

APPENDIX 3.4

CPC14-3 - CHEMICAL DATABASE

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	02/27/15	07:21	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Ground Water		U	mg/L	0.0004	0.002	<0.0004	-0.0004	0.0004	0
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	02/27/15	07:21	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Ground Water		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	02/27/15	07:21	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Ground Water	0.00047		mg/L	0.00005	0.0003	0.00047	0.00047	0.00047	0.00047
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	02/27/15	07:21	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Ground Water		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	02/27/15	07:21	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Ground Water	0.0011		mg/L	0.0001	0.0005	0.0011	0.0011	0.0011	0.0011
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	02/27/15	07:21	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Ground Water		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	03/03/15	20:19	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Ground Water		U	mg/L	0.0001	0.0003	<0.0001	-0.0001	0.0001	0
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	03/09/15	20:12	pH		SM4500H+ B	Ground Water	7.4	H	units	0.1	0.1	7.4	7.4	7.4	7.4
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	03/09/15	20:12	pH measured at		SM4500H+ B	Ground Water	21.7		C	0.1	0.1	21.7	21.7	21.7	21.7
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	05/20/15	09:58	Cation-Anion Balance		Calculation	Ground Water			%			0	0	0	0
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	05/20/15	09:58	Sum of Anions		Calculation	Ground Water			meq/L			0	0	0	0
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	05/20/15	09:58	Sum of Cations		Calculation	Ground Water			meq/L			0	0	0	0
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	05/20/15	09:58	TDS (calculated)		Calculation	Ground Water	35.2		mg/L			35.2	35.2	35.2	35.2
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	05/20/15	09:58	TDS (ratio - measured/calculated)		Calculation	Ground Water	1.42					1.42	1.42	1.42	1.42
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/18/15	14:47	Residue, Filterable (TDS) @180C		SM2540C	Ground Water	152		mg/L	20	40	152	152	152	152
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/19/15	18:38	Bicarbonate as CaCO3	10139	SM2320B - Titration	Ground Water	94.8		mg/L	2	20	94.8	94.8	94.8	94.8
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/19/15	18:38	Carbonate as CaCO3		SM2320B - Titration	Ground Water		U	mg/L	2	20	<2	-2	2	0
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/19/15	18:38	Hydroxide as CaCO3		SM2320B - Titration	Ground Water		U	mg/L	2	20	<2	-2	2	0
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/19/15	18:38	Total Alkalinity	10093	SM2320B - Titration	Ground Water	94.8		mg/L	2	20	94.8	94.8	94.8	94.8
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/24/15	14:56	Aluminum, dissolved	7429-90-5	M200.7 ICP	Ground Water	0.04	B	mg/L	0.03	0.2	0.04*	0.04	0.04	0.04
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/24/15	14:56	Barium, dissolved	7440-39-3	M200.7 ICP	Ground Water	0.933		mg/L	0.003	0.02	0.933	0.933	0.933	0.933
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/24/15	14:56	Boron, dissolved	7440-42-8	M200.7 ICP	Ground Water	0.01	B	mg/L	0.01	0.05	0.01*	0.01	0.01	0.01
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/24/15	14:56	Calcium, dissolved	7440-70-2	M200.7 ICP	Ground Water	26.7		mg/L	0.1	0.5	26.7	26.7	26.7	26.7
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/24/15	14:56	Chromium, dissolved	7440-47-3	M200.7 ICP	Ground Water	0.02	B	mg/L	0.01	0.05	0.02*	0.02	0.02	0.02
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/24/15	14:56	Cobalt, dissolved	7440-48-4	M200.7 ICP	Ground Water		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/24/15	14:56	Copper, dissolved	7440-50-8	M200.7 ICP	Ground Water		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/24/15	14:56	Gallium, dissolved	7440-55-3	M200.7 ICP	Ground Water		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/24/15	14:56	Iron, dissolved	7439-89-6	M200.7 ICP	Ground Water	3.66		mg/L	0.02	0.05	3.66	3.66	3.66	3.66
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/24/15	14:56	Lithium, dissolved	7439-93-2	M200.7 ICP	Ground Water	0.036	B	mg/L	0.008	0.04	0.036*	0.036	0.036	0.036
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/24/15	14:56	Magnesium, dissolved	7439-95-4	M200.7 ICP	Ground Water	4.1		mg/L	0.2	1	4.1	4.1	4.1	4.1
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/24/15	14:56	Manganese, dissolved	7439-96-5	M200.7 ICP	Ground Water	0.18		mg/L	0.005	0.03	0.18	0.18	0.18	0.18
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/24/15	14:56	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Ground Water	0.05	B	mg/L	0.02	0.1	0.05*	0.05	0.05	0.05
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/24/15	14:56	Nickel, dissolved	7440-02-0	M200.7 ICP	Ground Water		U	mg/L	0.008	0.04	<0.008	-0.008	0.008	0
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/24/15	14:56	Potassium, dissolved	7440-09-7	M200.7 ICP	Ground Water	3.3		mg/L	0.2	1	3.3	3.3	3.3	3.3
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/24/15	14:56	Scandium, dissolved	7440-20-2	M200.7 ICP	Ground Water		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/24/15	14:56	Silver, dissolved	7440-22-4	M200.7 ICP	Ground Water		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/24/15	14:56	Sodium, dissolved	7440-23-5	M200.7 ICP	Ground Water	9.7		mg/L	0.2	1	9.7	9.7	9.7	9.7
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/24/15	14:56	Strontium, dissolved	7440-24-6	M200.7 ICP	Ground Water	0.382		mg/L	0.005	0.03	0.382	0.382	0.382	0.382
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/24/15	14:56	Titanium, dissolved	7440-32-6	M200.7 ICP	Ground Water		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/24/15	14:56	Vanadium, dissolved	7440-62-2	M200.7 ICP	Ground Water		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/24/15	14:56	Zinc, dissolved	7440-66-6	M200.7 ICP	Ground Water	0.03	B	mg/L	0.01	0.05	0.03*	0.03	0.03	0.03
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/25/15	13:10	Chloride	16887-00-6	M300.0 - Ion Chromat	Ground Water	3.36		mg/L	0.5	2.5	3.36	3.36	3.36	3.36
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/25/15	13:10	Fluoride	16984-48-8	M300.0 - Ion Chromat	Ground Water	1.12		mg/L	0.05	0.25	1.12	1.12	1.12	1.12
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/25/15	13:10	Sulfate	14808-79-8	M300.0 - Ion Chromat	Ground Water	5.55		mg/L	0.5	2.5	5.55	5.55	5.55	5.55
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/25/15	21:42	Bismuth, dissolved	7440-69-9	M200.7 ICP	Ground Water		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/26/15	12:30	Tin, dissolved	7440-31-5	M200.7 ICP	Ground Water		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/26/15	12:31	Mercury, dissolved	7439-97-6	M245.1 CVAA	Ground Water		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/27/15	07:12	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Ground Water	0.001	B	mg/L	0.0004	0.002	0.001*	0.001	0.001	0.001
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/27/15	07:12	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Ground Water		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/27/15	07:12	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Ground Water		U	mg/L	0.00005	0.0003	<0.00005	-0.00005	0.00005	0
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/27/15	07:12	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Ground Water		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/27/15	07:12	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Ground Water	0.0003	B	mg/L	0.0001	0.0005	0.0003*	0.0003	0.0003	0.0003
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	02/27/15	07:12	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Ground Water		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	03/03/15	20:16	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Ground Water		U	mg/L	0.0001	0.0003	<0.0001	-0.0001	0.0001	0
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	03/09/15	20:08	pH		SM4500H+ B	Ground Water	7.6	H	units	0.1	0.1	7.6	7.6	7.6	7.6
CPC14-3		Groundwater	1ST PRODUCED WATER	1ST PRODUCED WATER C	02/13/15	L22921-01	ACZ	03/09/15	20:08	pH measured at		SM4500H+ B	Ground Water	21.2		C	0.1	0.				

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	02/24/15	14:59	Iron, dissolved	7439-89-6	M200.7 ICP	Ground Water	0.04	B	mg/L	0.02	0.05	0.04*	0.04	0.04	0.04
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	02/24/15	14:59	Lithium, dissolved	7439-93-2	M200.7 ICP	Ground Water		U	mg/L	0.008	0.04	<0.008	-0.008	0.008	0
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	02/24/15	14:59	Magnesium, dissolved	7439-95-4	M200.7 ICP	Ground Water	1.2		mg/L	0.2	1	1.2	1.2	1.2	1.2
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	02/24/15	14:59	Manganese, dissolved	7439-96-5	M200.7 ICP	Ground Water	0.031		mg/L	0.005	0.03	0.031	0.031	0.031	0.031
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	02/24/15	14:59	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Ground Water		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	02/24/15	14:59	Nickel, dissolved	7440-02-0	M200.7 ICP	Ground Water		U	mg/L	0.008	0.04	<0.008	-0.008	0.008	0
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	02/24/15	14:59	Potassium, dissolved	7440-09-7	M200.7 ICP	Ground Water	1.3		mg/L	0.2	1	1.3	1.3	1.3	1.3
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	02/24/15	14:59	Scandium, dissolved	7440-20-2	M200.7 ICP	Ground Water		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	02/24/15	14:59	Silver, dissolved	7440-22-4	M200.7 ICP	Ground Water		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	02/24/15	14:59	Sodium, dissolved	7440-23-5	M200.7 ICP	Ground Water	3.8		mg/L	0.2	1	3.8	3.8	3.8	3.8
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	02/24/15	14:59	Strontium, dissolved	7440-24-6	M200.7 ICP	Ground Water	0.037		mg/L	0.005	0.03	0.037	0.037	0.037	0.037
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	02/24/15	14:59	Titanium, dissolved	7440-32-6	M200.7 ICP	Ground Water		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	02/24/15	14:59	Vanadium, dissolved	7440-62-2	M200.7 ICP	Ground Water		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	02/24/15	14:59	Zinc, dissolved	7440-66-6	M200.7 ICP	Ground Water		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	02/24/15	19:16	Chloride	16887-00-6	M300.0 - Ion Chromat	Ground Water	2.04	B	mg/L	0.5	2.5	2.04*	2.04	2.04	2.04
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	02/24/15	19:16	Fluoride	16984-48-8	M300.0 - Ion Chromat	Ground Water	2.41		mg/L	0.05	0.25	2.41	2.41	2.41	2.41
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	02/24/15	19:16	Sulfate	14808-79-8	M300.0 - Ion Chromat	Ground Water	4.04		mg/L	0.5	2.5	4.04	4.04	4.04	4.04
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	02/25/15	21:45	Bismuth, dissolved	7440-69-9	M200.7 ICP	Ground Water		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	02/26/15	12:33	Mercury, dissolved	7439-97-6	M245.1 CVAA	Ground Water		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3		Groundwater	WATER TRUCK	CPC14-3 WATER TRUCK	02/14/15	L22921-02	ACZ	02/26/15	12:33	Tin, dissolved	7440-31-5	M200.7 ICP	Ground Water		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/18/15	14:51	Residue, Filterable (TDS) @180C		SM2540C	Ground Water	90	B	mg/L	50	100	90*	90	90	90
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/19/15	19:10	Bicarbonate as CaCO3	10139	SM2320B - Titration	Ground Water	53.4		mg/L	2	20	53.4	53.4	53.4	53.4
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/19/15	19:10	Carbonate as CaCO3		SM2320B - Titration	Ground Water		U	mg/L	2	20	<2	-2	2	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/19/15	19:10	Hydroxide as CaCO3		SM2320B - Titration	Ground Water		U	mg/L	2	20	<2	-2	2	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/19/15	19:10	Total Alkalinity	10093	SM2320B - Titration	Ground Water	53.4		mg/L	2	20	53.4	53.4	53.4	53.4
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/24/15	15:02	Aluminum, dissolved	7429-90-5	M200.7 ICP	Ground Water	0.03	B	mg/L	0.03	0.2	0.03*	0.03	0.03	0.03
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/24/15	15:02	Barium, dissolved	7440-39-3	M200.7 ICP	Ground Water	0.991		mg/L	0.003	0.02	0.991	0.991	0.991	0.991
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/24/15	15:02	Boron, dissolved	7440-42-8	M200.7 ICP	Ground Water		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/24/15	15:02	Calcium, dissolved	7440-70-2	M200.7 ICP	Ground Water	23.8		mg/L	0.1	0.5	23.8	23.8	23.8	23.8
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/24/15	15:02	Chromium, dissolved	7440-47-3	M200.7 ICP	Ground Water		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/24/15	15:02	Cobalt, dissolved	7440-48-4	M200.7 ICP	Ground Water		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/24/15	15:02	Copper, dissolved	7440-50-8	M200.7 ICP	Ground Water		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/24/15	15:02	Gallium, dissolved	7440-55-3	M200.7 ICP	Ground Water		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/24/15	15:02	Iron, dissolved	7439-89-6	M200.7 ICP	Ground Water	2.71		mg/L	0.02	0.05	2.71	2.71	2.71	2.71
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/24/15	15:02	Lithium, dissolved	7439-93-2	M200.7 ICP	Ground Water	0.016	B	mg/L	0.008	0.04	0.016*	0.016	0.016	0.016
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/24/15	15:02	Magnesium, dissolved	7439-95-4	M200.7 ICP	Ground Water	2.4		mg/L	0.2	1	2.4	2.4	2.4	2.4
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/24/15	15:02	Manganese, dissolved	7439-96-5	M200.7 ICP	Ground Water	0.147		mg/L	0.005	0.03	0.147	0.147	0.147	0.147
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/24/15	15:02	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Ground Water		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/24/15	15:02	Nickel, dissolved	7440-02-0	M200.7 ICP	Ground Water		U	mg/L	0.008	0.04	<0.008	-0.008	0.008	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/24/15	15:02	Potassium, dissolved	7440-09-7	M200.7 ICP	Ground Water	1.8		mg/L	0.2	1	1.8	1.8	1.8	1.8
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/24/15	15:02	Scandium, dissolved	7440-20-2	M200.7 ICP	Ground Water		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/24/15	15:02	Silver, dissolved	7440-22-4	M200.7 ICP	Ground Water		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/24/15	15:02	Sodium, dissolved	7440-23-5	M200.7 ICP	Ground Water	5.3		mg/L	0.2	1	5.3	5.3	5.3	5.3
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/24/15	15:02	Strontium, dissolved	7440-24-6	M200.7 ICP	Ground Water	0.491		mg/L	0.005	0.03	0.491	0.491	0.491	0.491
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/24/15	15:02	Titanium, dissolved	7440-32-6	M200.7 ICP	Ground Water		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/24/15	15:02	Vanadium, dissolved	7440-62-2	M200.7 ICP	Ground Water		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/24/15	15:02	Zinc, dissolved	7440-66-6	M200.7 ICP	Ground Water	0.01	B	mg/L	0.01	0.05	0.01*	0.01	0.01	0.01
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/25/15	13:28	Chloride	16887-00-6	M300.0 - Ion Chromat	Ground Water	2.34	B	mg/L	0.5	2.5	2.34*	2.34	2.34	2.34
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/25/15	13:28	Fluoride	16984-48-8	M300.0 - Ion Chromat	Ground Water	1		mg/L	0.05	0.25	1	1	1	1
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/25/15	13:28	Sulfate	14808-79-8	M300.0 - Ion Chromat	Ground Water	18.3		mg/L	0.5	2.5	18.3	18.3	18.3	18.3
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/25/15	21:49	Bismuth, dissolved	7440-69-9	M200.7 ICP	Ground Water		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/26/15	12:36	Tin, dissolved	7440-31-5	M200.7 ICP	Ground Water		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/26/15	12:39	Mercury, dissolved	7439-97-6	M245.1 CVAA	Ground Water		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/27/15	07:24	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Ground Water		U	mg/L	0.0004	0.002	<0.0004	-0.0004	0.0004	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/27/15	07:24	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Ground Water		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-03	ACZ	02/27/15	07:24	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Ground Water		U	mg/L	0.00005	0.0003	<0.00005	-0.00005		

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/24/15	15:05	Boron, dissolved	7440-42-8	M200.7 ICP	Ground Water	0.01	B	mg/L	0.01	0.05	0.01*	0.01	0.01	0.01
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/24/15	15:05	Calcium, dissolved	7440-70-2	M200.7 ICP	Ground Water	21.7		mg/L	0.1	0.5	21.7	21.7	21.7	21.7
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/24/15	15:05	Chromium, dissolved	7440-47-3	M200.7 ICP	Ground Water		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/24/15	15:05	Cobalt, dissolved	7440-48-4	M200.7 ICP	Ground Water	0.01	B	mg/L	0.01	0.05	0.01*	0.01	0.01	0.01
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/24/15	15:05	Copper, dissolved	7440-50-8	M200.7 ICP	Ground Water		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/24/15	15:05	Gallium, dissolved	7440-55-3	M200.7 ICP	Ground Water		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/24/15	15:05	Iron, dissolved	7439-89-6	M200.7 ICP	Ground Water	0.99		mg/L	0.02	0.05	0.99	0.99	0.99	0.99
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/24/15	15:05	Lithium, dissolved	7439-93-2	M200.7 ICP	Ground Water	0.017	B	mg/L	0.008	0.04	0.017*	0.017	0.017	0.017
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/24/15	15:05	Magnesium, dissolved	7439-95-4	M200.7 ICP	Ground Water	2.4		mg/L	0.2	1	2.4	2.4	2.4	2.4
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/24/15	15:05	Manganese, dissolved	7439-96-5	M200.7 ICP	Ground Water	0.233		mg/L	0.005	0.03	0.233	0.233	0.233	0.233
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/24/15	15:05	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Ground Water		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/24/15	15:05	Nickel, dissolved	7440-02-0	M200.7 ICP	Ground Water		U	mg/L	0.008	0.04	<0.008	-0.008	0.008	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/24/15	15:05	Potassium, dissolved	7440-09-7	M200.7 ICP	Ground Water	1.9		mg/L	0.2	1	1.9	1.9	1.9	1.9
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/24/15	15:05	Scandium, dissolved	7440-20-2	M200.7 ICP	Ground Water		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/24/15	15:05	Silver, dissolved	7440-22-4	M200.7 ICP	Ground Water		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/24/15	15:05	Sodium, dissolved	7440-23-5	M200.7 ICP	Ground Water	5.8		mg/L	0.2	1	5.8	5.8	5.8	5.8
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/24/15	15:05	Strontium, dissolved	7440-24-6	M200.7 ICP	Ground Water	0.304		mg/L	0.005	0.03	0.304	0.304	0.304	0.304
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/24/15	15:05	Titanium, dissolved	7440-32-6	M200.7 ICP	Ground Water		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/24/15	15:05	Vanadium, dissolved	7440-62-2	M200.7 ICP	Ground Water		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/24/15	15:05	Zinc, dissolved	7440-66-6	M200.7 ICP	Ground Water	0.11		mg/L	0.01	0.05	0.11	0.11	0.11	0.11
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/25/15	14:03	Chloride	16887-00-6	M300.0 - Ion Chromat	Ground Water	1.89	B	mg/L	0.5	2.5	1.89*	1.89	1.89	1.89
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/25/15	14:03	Fluoride	16984-48-8	M300.0 - Ion Chromat	Ground Water	0.82		mg/L	0.05	0.25	0.82	0.82	0.82	0.82
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/25/15	14:03	Sulfate	14808-79-8	M300.0 - Ion Chromat	Ground Water	8.88		mg/L	0.5	2.5	8.88	8.88	8.88	8.88
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/26/15	12:39	Bismuth, dissolved	7440-69-9	M200.7 ICP	Ground Water		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/26/15	12:39	Tin, dissolved	7440-31-5	M200.7 ICP	Ground Water		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/26/15	12:46	Mercury, dissolved	7439-97-6	M245.1 CVAA	Ground Water		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/27/15	07:27	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Ground Water		U	mg/L	0.0004	0.002	<0.0004	-0.0004	0.0004	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/27/15	07:27	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Ground Water		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/27/15	07:27	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Ground Water	0.00006	B	mg/L	0.00005	0.0003	0.00006*	0.00006	0.00006	0.00006
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/27/15	07:27	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Ground Water		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/27/15	07:27	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Ground Water		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/27/15	07:27	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Ground Water		U	mg/L	0.0001	0.0003	<0.0001	-0.0001	0.0001	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	02/27/15	07:27	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Ground Water		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	03/09/15	20:19	pH		SM4500H+ B	Ground Water	7.5	H	units	0.1	0.1	7.5	7.5	7.5	7.5
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	03/09/15	20:19	pH measured at		SM4500H+ B	Ground Water	21.6		C	0.1	0.1	21.6	21.6	21.6	21.6
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	05/20/15	09:58	Cation-Anion Balance		Calculation	Ground Water			%			0	0	0	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	05/20/15	09:58	Sum of Anions		Calculation	Ground Water			meq/L			0	0	0	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	05/20/15	09:58	Sum of Cations		Calculation	Ground Water			meq/L			0	0	0	0
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	05/20/15	09:58	TDS (calculated)		Calculation	Ground Water	80.9		mg/L			80.9	80.9	80.9	80.9
CPC14-3		Groundwater	PRODUCED WATER	PRODUCED WATER CPC14	02/14/15	L22921-04	ACZ	05/20/15	09:58	TDS (ratio - measured/calculated)		Calculation	Ground Water	1.11					1.11	1.11	1.11	1.11
CPC14-3	Kinetic	Sulfur Forms	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24139-01	ACZ	05/12/15	10:00	Sulfur HCl Residue		M600/2-78-054 3.2.4-	Soil	4.5		%	0.01	0.1	4.5	4.5	4.5	4.5
CPC14-3	Kinetic	Sulfur Forms	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24139-01	ACZ	05/12/15	10:00	Sulfur HNO3 Residue		M600/2-78-054 3.2.4-	Soil	0.14		%	0.01	0.1	0.14	0.14	0.14	0.14
CPC14-3	Kinetic	Sulfur Forms	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24139-01	ACZ	05/12/15	10:00	Sulfur Organic Residual		M600/2-78-054 3.2.4-	Soil	0.14		%	0.01	0.1	0.14	0.14	0.14	0.14
CPC14-3	Kinetic	Sulfur Forms	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24139-01	ACZ	05/12/15	10:00	Sulfur Pyritic Sulfide		M600/2-78-054 3.2.4-	Soil	4.36		%	0.01	0.1	4.36	4.36	4.36	4.36
CPC14-3	Kinetic	Sulfur Forms	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24139-01	ACZ	05/12/15	10:00	Sulfur Sulfate		M600/2-78-054 3.2.4-	Soil	0.05	B	%	0.01	0.1	0.05*	0.05	0.05	0.05
CPC14-3	Kinetic	Sulfur Forms	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24139-01	ACZ	05/12/15	10:00	Sulfur Total		M600/2-78-054 3.2.4-	Soil	4.55		%	0.01	0.1	4.55	4.55	4.55	4.55
CPC14-3	Kinetic	Sulfur Forms	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24139-01	ACZ	05/12/15	10:00	Total Sulfur minus Sulfate		M600/2-78-054 3.2.4-	Soil	4.5		%	0.01	0.1	4.5	4.5	4.5	4.5
CPC14-3	Kinetic	Carbon Forms	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24139-01	ACZ	05/12/15	14:10	Carbon, total (TC)		ASA No.9 29-2.2.4 Co	Soil		U	%	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	Carbon Forms	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24139-01	ACZ	05/12/15	14:10	Carbon, total inorganic (TIC)		ASA No. 9 29-2.2.4 (	Soil		U	%	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	Carbon Forms	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24139-01	ACZ	05/12/15	14:10	Carbon, total organic (TOC)	10355	ASA No.9 29-2.2.4 Co	Soil		U	%	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	ABA	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24139-01	ACZ	05/13/15	11:36	Neutralization Potential as CaCO3		M600/2-78-054 3.2.3	Soil	0.5		%	0.1	0.5	0.5	0.5	0.5	0.5
CPC14-3	Kinetic	NAG	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24139-01	ACZ	05/18/15	11:00	NAG		Single NAG - EGI 200	Soil	63		Kg H2SO4/t	1	1	63	63	63	63
CPC14-3	Kinetic	NAG	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24139-01	ACZ	05/18/15	11:00	pH After Oxidation		Single NAG - EGI 200	Soil	2.5		units	0.1	0.1	2.5	2.5	2.5	2.5
CPC14-3	Kinetic	ABA	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24139-01	ACZ	05/26/15	12:03	Acid Generation Potential (calc on Sulfur total)		M600/2-78-054 3.2.4	Soil	142.1875		t CaCO3/Kt	0.31	3.1	142.1875	142.1875	142.1875	142.1875
CPC14-3	Kinetic	ABA	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24139-01	ACZ	05/26/15	12:03	Acid Neutralization Potential (calc)												

Hole ID	Composi e Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/22/15	20:05	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/22/15	20:05	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.16		mg/L	0.01	0.05	0.16	0.16	0.16	0.16
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/22/15	20:05	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	8.4		mg/L	0.1	0.5	8.4	8.4	8.4	8.4
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/22/15	20:05	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/22/15	20:05	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate	0.14		mg/L	0.01	0.05	0.14	0.14	0.14	0.14
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/22/15	20:05	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.64		mg/L	0.01	0.05	0.64	0.64	0.64	0.64
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/22/15	20:05	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	55.3		mg/L	0.02	0.05	55.3	55.3	55.3	55.3
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/22/15	20:05	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate	0.019	B	mg/L	0.008	0.04	0.019*	0.019	0.019	0.019
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/22/15	20:05	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	1.6		mg/L	0.2	1	1.6	1.6	1.6	1.6
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/22/15	20:05	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	9.89		mg/L	0.005	0.03	9.89	9.89	9.89	9.89
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/22/15	20:05	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/22/15	20:05	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate	0.079		mg/L	0.008	0.04	0.079	0.079	0.079	0.079
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/22/15	20:05	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	6.8		mg/L	0.2	1	6.8	6.8	6.8	6.8
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/22/15	20:05	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/22/15	20:05	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/22/15	20:05	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	2.2		mg/L	0.2	1	2.2	2.2	2.2	2.2
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/22/15	20:05	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	6.58		mg/L	0.005	0.03	6.58	6.58	6.58	6.58
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/22/15	20:05	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/22/15	20:05	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/26/15	18:11	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		UH	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/26/15	22:29	Gallium, dissolved	7440-55-3	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/26/15	22:29	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/26/15	22:29	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.72		mg/L	0.01	0.05	0.72	0.72	0.72	0.72
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/30/15	00:04	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Leachate		U	mg/L	0.0004	0.002	<0.0004	-0.0004	0.0004	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/30/15	00:04	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0031		mg/L	0.0002	0.001	0.0031	0.0031	0.0031	0.0031
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/30/15	00:04	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate	0.00238		mg/L	0.00005	0.0003	0.00238	0.00238	0.00238	0.00238
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/30/15	00:04	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.014		mg/L	0.0001	0.0005	0.014	0.014	0.014	0.014
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/30/15	00:04	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0316		mg/L	0.0001	0.0005	0.0316	0.0316	0.0316	0.0316
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/30/15	00:04	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Leachate	0.0073		mg/L	0.0001	0.0003	0.0073	0.0073	0.0073	0.0073
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24454-01	ACZ	05/30/15	00:04	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Leachate	0.0008		mg/L	0.0001	0.0005	0.0008	0.0008	0.0008	0.0008
CPC14-3	Kinetic	NAG Leachate	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	04/02/15	L24454-02	ACZ	05/22/15	20:08	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate	5.34		mg/L	0.03	0.2	5.34	5.34	5.34	5.34
CPC14-3	Kinetic	NAG Leachate	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	04/02/15	L24454-02	ACZ	05/22/15	20:08	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.073		mg/L	0.003	0.02	0.073	0.073	0.073	0.073
CPC14-3	Kinetic	NAG Leachate	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	04/02/15	L24454-02	ACZ	05/22/15	20:08	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	04/02/15	L24454-02	ACZ	05/22/15	20:08	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.09		mg/L	0.01	0.05	0.09	0.09	0.09	0.09
CPC14-3	Kinetic	NAG Leachate	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	04/02/15	L24454-02	ACZ	05/22/15	20:08	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	0.9		mg/L	0.1	0.5	0.9	0.9	0.9	0.9
CPC14-3	Kinetic	NAG Leachate	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	04/02/15	L24454-02	ACZ	05/22/15	20:08	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	04/02/15	L24454-02	ACZ	05/22/15	20:08	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate	0.04	B	mg/L	0.01	0.05	0.04*	0.04	0.04	0.04
CPC14-3	Kinetic	NAG Leachate	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	04/02/15	L24454-02	ACZ	05/22/15	20:08	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.08		mg/L	0.01	0.05	0.08	0.08	0.08	0.08
CPC14-3	Kinetic	NAG Leachate	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	04/02/15	L24454-02	ACZ	05/22/15	20:08	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	0.49		mg/L	0.02	0.05	0.49	0.49	0.49	0.49
CPC14-3	Kinetic	NAG Leachate	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	04/02/15	L24454-02	ACZ	05/22/15	20:08	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate	0.013	B	mg/L	0.008	0.04	0.013*	0.013	0.013	0.013
CPC14-3	Kinetic	NAG Leachate	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	04/02/15	L24454-02	ACZ	05/22/15	20:08	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	0.4	B	mg/L	0.2	1	0.4*	0.4	0.4	0.4
CPC14-3	Kinetic	NAG Leachate	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	04/02/15	L24454-02	ACZ	05/22/15	20:08	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	0.05		mg/L	0.005	0.03	0.05	0.05	0.05	0.05
CPC14-3	Kinetic	NAG Leachate	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	04/02/15	L24454-02	ACZ	05/22/15	20:08	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate	0.06	B	mg/L	0.02	0.1	0.06*	0.06	0.06	0.06
CPC14-3	Kinetic	NAG Leachate	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	04/02/15	L24454-02	ACZ	05/22/15	20:08	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate	0.009	B	mg/L	0.008	0.04	0.009*	0.009	0.009	0.009
CPC14-3	Kinetic	NAG Leachate	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	04/02/15	L24454-02	ACZ	05/22/15	20:08	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	6.8		mg/L	0.2	1	6.8	6.8	6.8	6.8
CPC14-3	Kinetic	NAG Leachate	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	04/02/15	L24454-02	ACZ	05/22/15	20:08	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	04/02/15	L24454-02	ACZ	05/22/15	20:08	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	04/02/15	L24454-02	ACZ	05/22/15	20:08	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	0.9	B	mg/L	0.2	1	0.9*	0.9	0.9	0.9
CPC14-3	Kinetic	NAG Leachate	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	04/02/15	L24454-02	ACZ	05/22/15	20:08	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	15.								

Hole ID	Composi e Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24880-01	ACZ	06/18/15	17:09	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	13.3		mg/L	0.005	0.03	13.3	13.3	13.3	13.3
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24880-01	ACZ	06/18/15	17:09	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24880-01	ACZ	06/18/15	17:09	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate	0.043		mg/L	0.008	0.04	0.043	0.043	0.043	0.043
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24880-01	ACZ	06/18/15	17:09	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	10.1		mg/L	0.2	1	10.1	10.1	10.1	10.1
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24880-01	ACZ	06/18/15	17:09	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24880-01	ACZ	06/18/15	17:09	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24880-01	ACZ	06/18/15	17:09	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	3.3		mg/L	0.2	1	3.3	3.3	3.3	3.3
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24880-01	ACZ	06/18/15	17:09	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	4.55		mg/L	0.005	0.03	4.55	4.55	4.55	4.55
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24880-01	ACZ	06/18/15	17:09	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24880-01	ACZ	06/18/15	17:09	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate	0.008	B	mg/L	0.005	0.03	0.008*	0.008	0.008	0.008
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24880-01	ACZ	06/18/15	17:09	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24880-01	ACZ	06/18/15	17:09	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.51		mg/L	0.01	0.05	0.51	0.51	0.51	0.51
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24880-01	ACZ	06/19/15	20:22	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	51.8		mg/L	0.02	0.05	51.8	51.8	51.8	51.8
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24880-01	ACZ	06/20/15	00:51	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Leachate		U	mg/L	0.0004	0.002	<0.0004	-0.0004	0.0004	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24880-01	ACZ	06/20/15	00:51	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0009	B	mg/L	0.0002	0.001	0.0009*	0.0009	0.0009	0.0009
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24880-01	ACZ	06/20/15	00:51	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate	0.00381		mg/L	0.00005	0.0003	0.00381	0.00381	0.00381	0.00381
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24880-01	ACZ	06/20/15	00:51	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0026		mg/L	0.0001	0.0005	0.0026	0.0026	0.0026	0.0026
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24880-01	ACZ	06/20/15	00:51	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.2684		mg/L	0.0001	0.0005	0.2684	0.2684	0.2684	0.2684
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24880-01	ACZ	06/20/15	00:51	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Leachate	0.0088		mg/L	0.0001	0.0003	0.0088	0.0088	0.0088	0.0088
CPC14-3	Kinetic	NAG Leachate	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24880-01	ACZ	06/20/15	00:51	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Leachate	0.0007		mg/L	0.0001	0.0005	0.0007	0.0007	0.0007	0.0007
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24882-01	ACZ	06/16/15	17:04	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24882-01	ACZ	06/18/15	17:12	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate	4.77		mg/L	0.03	0.2	4.77	4.77	4.77	4.77
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24882-01	ACZ	06/18/15	17:12	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.099		mg/L	0.003	0.02	0.099	0.099	0.099	0.099
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24882-01	ACZ	06/18/15	17:12	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24882-01	ACZ	06/18/15	17:12	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.04	B	mg/L	0.01	0.05	0.04*	0.04	0.04	0.04
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24882-01	ACZ	06/18/15	17:12	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	174		mg/L	0.1	0.5	174	174	174	174
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24882-01	ACZ	06/18/15	17:12	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24882-01	ACZ	06/18/15	17:12	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate	0.09		mg/L	0.01	0.05	0.09	0.09	0.09	0.09
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24882-01	ACZ	06/18/15	17:12	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.48		mg/L	0.01	0.05	0.48	0.48	0.48	0.48
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24882-01	ACZ	06/18/15	17:12	Gallium, dissolved	7440-55-3	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24882-01	ACZ	06/18/15	17:12	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate	0.016	B	mg/L	0.008	0.04	0.016*	0.016	0.016	0.016
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24882-01	ACZ	06/18/15	17:12	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	25.2		mg/L	0.2	1	25.2	25.2	25.2	25.2
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24882-01	ACZ	06/18/15	17:12	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	10.1		mg/L	0.005	0.03	10.1	10.1	10.1	10.1
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24882-01	ACZ	06/18/15	17:12	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24882-01	ACZ	06/18/15	17:12	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate	0.053		mg/L	0.008	0.04	0.053	0.053	0.053	0.053
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24882-01	ACZ	06/18/15	17:12	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	8.3		mg/L	0.2	1	8.3	8.3	8.3	8.3
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24882-01	ACZ	06/18/15	17:12	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24882-01	ACZ	06/18/15	17:12	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24882-01	ACZ	06/18/15	17:12	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	3		mg/L	0.2	1	3	3	3	3
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24882-01	ACZ	06/18/15	17:12	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	3.28		mg/L	0.005	0.03	3.28	3.28	3.28	3.28
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24882-01	ACZ	06/18/15	17:12	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24882-01	ACZ	06/18/15	17:12	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate	0.008	B	mg/L	0.005	0.03	0.008*	0.008	0.008	0.008
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24882-01	ACZ	06/18/15	17:12	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24882-01	ACZ	06/18/15	17:12	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.37		mg/L	0.01	0.05	0.37	0.37	0.37	0.37
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24882-01	ACZ	06/19/15	20:25	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	12.7		mg/L	0.02	0.05	12.7	12.7	12.7	12.7
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24882-01	ACZ	06/23/15	06:18	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Leachate		U	mg/L	0.0004	0.002	<0.0004	-0.0004	0.0004	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24882-01	ACZ	06/23/15	06:18	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0002	B	mg/L	0.0002	0.001	0.0002*	0.0002	0.0002	0.0002
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24882-01	ACZ	06/23/15	06:18	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate	0.00238		mg/L	0.00005	0.0003	0.00238	0.00238	0.00238	0.00238
CPC14-3	Kinetic	NAG Leachate	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-420																		

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3	Kinetic	NAG Leachate	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L25074-06	ACZ	06/30/15	23:39	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L25074-06	ACZ	06/30/15	23:39	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.4		mg/L	0.01	0.05	0.4	0.4	0.4	0.4
CPC14-3	Kinetic	NAG Leachate	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L25074-06	ACZ	07/01/15	16:15	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L25074-06	ACZ	07/06/15	20:27	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Leachate		U	mg/L	0.0004	0.002	<0.0004	-0.0004	0.0004	0
CPC14-3	Kinetic	NAG Leachate	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L25074-06	ACZ	07/06/15	20:27	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0008	B	mg/L	0.0002	0.001	0.0008*	0.0008	0.0008	0.0008
CPC14-3	Kinetic	NAG Leachate	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L25074-06	ACZ	07/06/15	20:27	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate	0.00234		mg/L	0.00005	0.0003	0.00234	0.00234	0.00234	0.00234
CPC14-3	Kinetic	NAG Leachate	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L25074-06	ACZ	07/06/15	20:27	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0025		mg/L	0.0001	0.0005	0.0025	0.0025	0.0025	0.0025
CPC14-3	Kinetic	NAG Leachate	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L25074-06	ACZ	07/06/15	20:27	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Leachate	0.009		mg/L	0.0001	0.0003	0.009	0.009	0.009	0.009
CPC14-3	Kinetic	NAG Leachate	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L25074-06	ACZ	07/06/15	20:27	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Leachate	0.0008		mg/L	0.0001	0.0005	0.0008	0.0008	0.0008	0.0008
CPC14-3	Kinetic	NAG Leachate	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L25074-06	ACZ	07/10/15	10:31	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.8722		mg/L	0.0002	0.001	0.8722	0.8722	0.8722	0.8722
CPC14-3	Static	NAG	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24021-04	ACZ	05/06/15	15:17	NAG		Single NAG - EGI 200	Soil	71		Kg H2SO4/t	1	1	71	71	71	71
CPC14-3	Static	NAG	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24021-04	ACZ	05/06/15	15:17	pH After Oxidation		Single NAG - EGI 200	Soil	2.3		units	0.1	0.1	2.3	2.3	2.3	2.3
CPC14-3	Static	Sulfur Forms	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24021-04	ACZ	05/07/15	09:00	Sulfur HCl Residue		M600/2-78-054 3.2.4-	Soil	3.64		%	0.01	0.1	3.64	3.64	3.64	3.64
CPC14-3	Static	Sulfur Forms	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24021-04	ACZ	05/07/15	09:00	Sulfur HNO3 Residue		M600/2-78-054 3.2.4-	Soil	0.11		%	0.01	0.1	0.11	0.11	0.11	0.11
CPC14-3	Static	Sulfur Forms	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24021-04	ACZ	05/07/15	09:00	Sulfur Organic Residual		M600/2-78-054 3.2.4-	Soil	0.11		%	0.01	0.1	0.11	0.11	0.11	0.11
CPC14-3	Static	Sulfur Forms	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24021-04	ACZ	05/07/15	09:00	Sulfur Pyritic Sulfide		M600/2-78-054 3.2.4-	Soil	3.53		%	0.01	0.1	3.53	3.53	3.53	3.53
CPC14-3	Static	Sulfur Forms	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24021-04	ACZ	05/07/15	09:00	Sulfur Sulfate		M600/2-78-054 3.2.4-	Soil	0.04	B	%	0.01	0.1	0.04*	0.04	0.04	0.04
CPC14-3	Static	Sulfur Forms	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24021-04	ACZ	05/07/15	09:00	Sulfur Total		M600/2-78-054 3.2.4-	Soil	3.68		%	0.01	0.1	3.68	3.68	3.68	3.68
CPC14-3	Static	Sulfur Forms	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24021-04	ACZ	05/07/15	09:00	Total Sulfur minus Sulfate		M600/2-78-054 3.2.4-	Soil	3.64		%	0.01	0.1	3.64	3.64	3.64	3.64
CPC14-3	Static	ABA	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24021-04	ACZ	05/07/15	15:22	Neutralization Potential as CaCO3		M600/2-78-054 3.2.3	Soil		U	%	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	Carbon Forms	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24021-04	ACZ	05/12/15	03:54	Carbon, total (TC)		ASA No.9 29-2.2.4 Co	Soil		U	%	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	Carbon Forms	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24021-04	ACZ	05/12/15	03:54	Carbon, total inorganic (TIC)		ASA No. 9 29-2.2.4 (	Soil		U	%	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	Carbon Forms	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24021-04	ACZ	05/12/15	03:54	Carbon, total organic (TOC)	10355	ASA No.9 29-2.2.4 Co	Soil		U	%	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	ABA	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24021-04	ACZ	05/26/15	11:59	Acid Generation Potential (calc on Sulfur total)		M600/2-78-054 3.2.4	Soil	115		t CaCO3/Kt	0.31	3.1	115	115	115	115
CPC14-3	Static	ABA	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24021-04	ACZ	05/26/15	11:59	Acid Neutralization Potential (calc)		M600/2-78-054 1.3	Soil	0		t CaCO3/Kt	1	5	0	0	0	0
CPC14-3	Static	ABA	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24021-04	ACZ	05/26/15	11:59	Acid-Base Potential (calc on Sulfur total)		M600/2-78-054 1.3	Soil	-115		t CaCO3/Kt			-115	-115	115	-115
CPC14-3	Static	NAG Leachate	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24195-04	ACZ	05/08/15	15:17	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Static	NAG Leachate	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24195-04	ACZ	05/12/15	17:40	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate	23.2		mg/L	0.03	0.2	23.2	23.2	23.2	23.2
CPC14-3	Static	NAG Leachate	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24195-04	ACZ	05/12/15	17:40	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.075		mg/L	0.003	0.02	0.075	0.075	0.075	0.075
CPC14-3	Static	NAG Leachate	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24195-04	ACZ	05/12/15	17:40	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Static	NAG Leachate	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24195-04	ACZ	05/12/15	17:40	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.13		mg/L	0.01	0.05	0.13	0.13	0.13	0.13
CPC14-3	Static	NAG Leachate	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24195-04	ACZ	05/12/15	17:40	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	1.6		mg/L	0.1	0.5	1.6	1.6	1.6	1.6
CPC14-3	Static	NAG Leachate	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24195-04	ACZ	05/12/15	17:40	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Static	NAG Leachate	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24195-04	ACZ	05/12/15	17:40	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate	0.15		mg/L	0.01	0.05	0.15	0.15	0.15	0.15
CPC14-3	Static	NAG Leachate	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24195-04	ACZ	05/12/15	17:40	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.75		mg/L	0.01	0.05	0.75	0.75	0.75	0.75
CPC14-3	Static	NAG Leachate	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24195-04	ACZ	05/12/15	17:40	Gallium, dissolved	7440-55-3	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG Leachate	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24195-04	ACZ	05/12/15	17:40	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	36.8		mg/L	0.02	0.05	36.8	36.8	36.8	36.8
CPC14-3	Static	NAG Leachate	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24195-04	ACZ	05/12/15	17:40	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate	0.031	B	mg/L	0.008	0.04	0.031*	0.031	0.031	0.031
CPC14-3	Static	NAG Leachate	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24195-04	ACZ	05/12/15	17:40	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	1.5		mg/L	0.2	1	1.5	1.5	1.5	1.5
CPC14-3	Static	NAG Leachate	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24195-04	ACZ	05/12/15	17:40	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	0.109		mg/L	0.005	0.03	0.109	0.109	0.109	0.109
CPC14-3	Static	NAG Leachate	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24195-04	ACZ	05/12/15	17:40	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Static	NAG Leachate	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24195-04	ACZ	05/12/15	17:40	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate	0.079		mg/L	0.008	0.04	0.079	0.079	0.079	0.079
CPC14-3	Static	NAG Leachate	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24195-04	ACZ	05/12/15	17:40	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	10.1		mg/L	0.2	1	10.1	10.1	10.1	10.1
CPC14-3	Static	NAG Leachate	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24195-04	ACZ	05/12/15	17:40	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG Leachate	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24195-04	ACZ	05/12/15	17:40	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3	Static	NAG Leachate	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24195-04	ACZ	05/12/15	17:40	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	2.1		mg/L	0.2	1	2.1	2.1	2.1	2.1
CPC14-3	Static	NAG Leachate	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24195-04	ACZ	05/12/15	17:40	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	14.5		mg/L	0.005	0.03	14.5	14.5	14.5	14.5
CPC14-3	Static	NAG Leachate	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24195-04	ACZ	05/12/15	17:40	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate	0.006	B	mg/L	0.005	0.03	0.006*	0.006	0.006	0.006
CPC14-3	Static	NAG Leachate	CPC14-3/1000-1200/Static	CPC14-3/1000-1200/ST	04/07/15	L24195-04	ACZ	05/12/15	17:40	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Static	NAG Leachate	CPC14-3/1000-1200/Static	CPC14-																		

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/08/15	15:19	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/12/15	17:43	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate	23.8		mg/L	0.03	0.2	23.8	23.8	23.8	23.8
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/12/15	17:43	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.056		mg/L	0.003	0.02	0.056	0.056	0.056	0.056
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/12/15	17:43	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/12/15	17:43	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.06		mg/L	0.01	0.05	0.06	0.06	0.06	0.06
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/12/15	17:43	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	1.7		mg/L	0.1	0.5	1.7	1.7	1.7	1.7
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/12/15	17:43	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/12/15	17:43	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate	0.19		mg/L	0.01	0.05	0.19	0.19	0.19	0.19
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/12/15	17:43	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	1.43		mg/L	0.01	0.05	1.43	1.43	1.43	1.43
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/12/15	17:43	Gallium, dissolved	7440-55-3	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/12/15	17:43	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	102		mg/L	0.02	0.05	102	102	102	102
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/12/15	17:43	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate	0.021	B	mg/L	0.008	0.04	0.021*	0.021	0.021	0.021
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/12/15	17:43	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	1.5		mg/L	0.2	1	1.5	1.5	1.5	1.5
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/12/15	17:43	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	0.187		mg/L	0.005	0.03	0.187	0.187	0.187	0.187
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/12/15	17:43	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/12/15	17:43	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate	0.114		mg/L	0.008	0.04	0.114	0.114	0.114	0.114
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/12/15	17:43	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	11.9		mg/L	0.2	1	11.9	11.9	11.9	11.9
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/12/15	17:43	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/12/15	17:43	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/12/15	17:43	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	3.2		mg/L	0.2	1	3.2	3.2	3.2	3.2
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/12/15	17:43	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	2.26		mg/L	0.005	0.03	2.26	2.26	2.26	2.26
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/12/15	17:43	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate	0.005	B	mg/L	0.005	0.03	0.005*	0.005	0.005	0.005
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/12/15	17:43	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate	0.01	B	mg/L	0.005	0.03	0.01*	0.01	0.01	0.01
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/12/15	17:43	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.97		mg/L	0.01	0.05	0.97	0.97	0.97	0.97
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/13/15	21:52	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/16/15	01:04	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Leachate		U	mg/L	0.0004	0.002	<0.0004	-0.0004	0.0004	0
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/16/15	01:04	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0028		mg/L	0.0002	0.001	0.0028	0.0028	0.0028	0.0028
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/16/15	01:04	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate	0.00241		mg/L	0.00005	0.0003	0.00241	0.00241	0.00241	0.00241
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/16/15	01:04	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0243		mg/L	0.0001	0.0005	0.0243	0.0243	0.0243	0.0243
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/16/15	01:04	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0011		mg/L	0.0001	0.0005	0.0011	0.0011	0.0011	0.0011
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/16/15	01:04	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Leachate	0.0087		mg/L	0.0001	0.0003	0.0087	0.0087	0.0087	0.0087
CPC14-3	Static	NAG Leachate	CPC14-3/1200-1400/Static	CPC14-3/1200-1400/ST	04/07/15	L24195-05	ACZ	05/16/15	01:04	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Leachate	0.0011		mg/L	0.0001	0.0005	0.0011	0.0011	0.0011	0.0011
CPC14-3	Static	NAG	CPC14-3/1400-1600/Static	CPC14-3/1400-1600/ST	04/07/15	L24021-06	ACZ	05/07/15	06:25	NAG		Single NAG - EGI 200	Soil	82		Kg H2SO4/t	1	1	82	82	82	82
CPC14-3	Static	NAG	CPC14-3/1400-1600/Static	CPC14-3/1400-1600/ST	04/07/15	L24021-06	ACZ	05/07/15	06:25	pH After Oxidation		Single NAG - EGI 200	Soil	2.2		units	0.1	0.1	2.2	2.2	2.2	2.2
CPC14-3	Static	Sulfur Forms	CPC14-3/1400-1600/Static	CPC14-3/1400-1600/ST	04/07/15	L24021-06	ACZ	05/07/15	09:00	Sulfur HCl Residue		M600/2-78-054 3.2.4-	Soil	3.58		%	0.01	0.1	3.58	3.58	3.58	3.58
CPC14-3	Static	Sulfur Forms	CPC14-3/1400-1600/Static	CPC14-3/1400-1600/ST	04/07/15	L24021-06	ACZ	05/07/15	09:00	Sulfur HNO3 Residue		M600/2-78-054 3.2.4-	Soil	0.01	B	%	0.01	0.1	0.01*	0.01	0.01	0.01
CPC14-3	Static	Sulfur Forms	CPC14-3/1400-1600/Static	CPC14-3/1400-1600/ST	04/07/15	L24021-06	ACZ	05/07/15	09:00	Sulfur Organic Residual		M600/2-78-054 3.2.4-	Soil	0.01	B	%	0.01	0.1	0.01*	0.01	0.01	0.01
CPC14-3	Static	Sulfur Forms	CPC14-3/1400-1600/Static	CPC14-3/1400-1600/ST	04/07/15	L24021-06	ACZ	05/07/15	09:00	Sulfur Pyritic Sulfide		M600/2-78-054 3.2.4-	Soil	3.57		%	0.01	0.1	3.57	3.57	3.57	3.57
CPC14-3	Static	Sulfur Forms	CPC14-3/1400-1600/Static	CPC14-3/1400-1600/ST	04/07/15	L24021-06	ACZ	05/07/15	09:00	Sulfur Sulfate		M600/2-78-054 3.2.4-	Soil	0.14		%	0.01	0.1	0.14	0.14	0.14	0.14
CPC14-3	Static	Sulfur Forms	CPC14-3/1400-1600/Static	CPC14-3/1400-1600/ST	04/07/15	L24021-06	ACZ	05/07/15	09:00	Sulfur Total		M600/2-78-054 3.2.4-	Soil	3.72		%	0.01	0.1	3.72	3.72	3.72	3.72
CPC14-3	Static	Sulfur Forms	CPC14-3/1400-1600/Static	CPC14-3/1400-1600/ST	04/07/15	L24021-06	ACZ	05/07/15	09:00	Total Sulfur minus Sulfate		M600/2-78-054 3.2.4-	Soil	3.58		%	0.01	0.1	3.58	3.58	3.58	3.58
CPC14-3	Static	ABA	CPC14-3/1400-1600/Static	CPC14-3/1400-1600/ST	04/07/15	L24021-06	ACZ	05/07/15	16:07	Neutralization Potential as CaCO3		M600/2-78-054 3.2.3	Soil	1		%	0.1	0.5	1	1	1	1
CPC14-3	Static	Carbon Forms	CPC14-3/1400-1600/Static	CPC14-3/1400-1600/ST	04/07/15	L24021-06	ACZ	05/12/15	09:02	Carbon, total (TC)		ASA No.9 29-2.2.4 Co	Soil	0.1	B	%	0.1	0.5	0.1*	0.1	0.1	0.1
CPC14-3	Static	Carbon Forms	CPC14-3/1400-1600/Static	CPC14-3/1400-1600/ST	04/07/15	L24021-06	ACZ	05/12/15	09:02	Carbon, total inorganic (TIC)		ASA No. 9 29-2.2.4 (	Soil	0.1	B	%	0.1	0.5	0.1*	0.1	0.1	0.1
CPC14-3	Static	Carbon Forms	CPC14-3/1400-1600/Static	CPC14-3/1400-1600/ST	04/07/15	L24021-06	ACZ	05/12/15	09:02	Carbon, total organic (TOC)	10355	ASA No.9 29-2.2.4 Co	Soil		U	%	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	ABA	CPC14-3/1400-1600/Static	CPC14-3/1400-1600/ST	04/07/15	L24021-06	ACZ	05/26/15	12:00	Acid Generation Potential (calc on Sulfur total)		M600/2-78-054 3.2.4	Soil	116.25		t CaCO3/Kt	0.31	3.1	116.25	116.25	116.25	116.25
CPC14-3	Static	ABA	CPC14-3/1400-1600/Static	CPC14-3/1400-1600/ST	04/07/15	L24021-06	ACZ	05/26/15	12:00	Acid Neutralization Potential (calc)		M600/2-78-054 1.3	Soil	10		t CaCO3/Kt	1	5	10	10	10	10
CPC14-3	Static	ABA	CPC14-3/1400-1600/Static	CPC14-3/1400-1600/ST	04/07/15	L24021-06	ACZ	05/26/15	12:00	Acid-Base Potential (calc on Sulfur total)		M600/2-78-054 1.3	Soil	-106		t CaCO3/Kt			-106	-106	106	-106
CPC14-3	Static	NAG Leachate	CPC14-3/1400-1600/Static	CPC14-3/1400-1600/ST	04/07/15	L24195-06	ACZ	05/08/15	15:21	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Static	NAG Leachate	CPC14-3/1400-1600/																			

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3	Static	NAG Leachate	CPC14-3/1400-1600/Static	CPC14-3/1400-1600/ST	04/07/15	L24195-06	ACZ	05/16/15	01:08	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0017		mg/L	0.0002	0.001	0.0017	0.0017	0.0017	0.0017
CPC14-3	Static	NAG Leachate	CPC14-3/1400-1600/Static	CPC14-3/1400-1600/ST	04/07/15	L24195-06	ACZ	05/16/15	01:08	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate	0.00263		mg/L	0.00005	0.0003	0.00263	0.00263	0.00263	0.00263
CPC14-3	Static	NAG Leachate	CPC14-3/1400-1600/Static	CPC14-3/1400-1600/ST	04/07/15	L24195-06	ACZ	05/16/15	01:08	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0016		mg/L	0.0001	0.0005	0.0016	0.0016	0.0016	0.0016
CPC14-3	Static	NAG Leachate	CPC14-3/1400-1600/Static	CPC14-3/1400-1600/ST	04/07/15	L24195-06	ACZ	05/16/15	01:08	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0551		mg/L	0.0001	0.0005	0.0551	0.0551	0.0551	0.0551
CPC14-3	Static	NAG Leachate	CPC14-3/1400-1600/Static	CPC14-3/1400-1600/ST	04/07/15	L24195-06	ACZ	05/16/15	01:08	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Leachate	0.0095		mg/L	0.0001	0.0003	0.0095	0.0095	0.0095	0.0095
CPC14-3	Static	NAG Leachate	CPC14-3/1400-1600/Static	CPC14-3/1400-1600/ST	04/07/15	L24195-06	ACZ	05/16/15	01:08	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Leachate	0.0013		mg/L	0.0001	0.0005	0.0013	0.0013	0.0013	0.0013
CPC14-3	Static	Sulfur Forms	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24021-07	ACZ	05/07/15	09:00	Sulfur HCl Residue		M600/2-78-054 3.2.4-	Soil	3.18		%	0.01	0.1	3.18	3.18	3.18	3.18
CPC14-3	Static	Sulfur Forms	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24021-07	ACZ	05/07/15	09:00	Sulfur HNO3 Residue		M600/2-78-054 3.2.4-	Soil	0.01	B	%	0.01	0.1	0.01*	0.01	0.01	0.01
CPC14-3	Static	Sulfur Forms	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24021-07	ACZ	05/07/15	09:00	Sulfur Organic Residual		M600/2-78-054 3.2.4-	Soil	0.01	B	%	0.01	0.1	0.01*	0.01	0.01	0.01
CPC14-3	Static	Sulfur Forms	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24021-07	ACZ	05/07/15	09:00	Sulfur Pyritic Sulfide		M600/2-78-054 3.2.4-	Soil	3.17		%	0.01	0.1	3.17	3.17	3.17	3.17
CPC14-3	Static	Sulfur Forms	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24021-07	ACZ	05/07/15	09:00	Sulfur Sulfate		M600/2-78-054 3.2.4-	Soil	0.23		%	0.01	0.1	0.23	0.23	0.23	0.23
CPC14-3	Static	Sulfur Forms	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24021-07	ACZ	05/07/15	09:00	Sulfur Total		M600/2-78-054 3.2.4-	Soil	3.41		%	0.01	0.1	3.41	3.41	3.41	3.41
CPC14-3	Static	Sulfur Forms	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24021-07	ACZ	05/07/15	09:00	Total Sulfur minus Sulfate		M600/2-78-054 3.2.4-	Soil	3.18		%	0.01	0.1	3.18	3.18	3.18	3.18
CPC14-3	Static	NAG	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24021-07	ACZ	05/07/15	13:59	NAG		Single NAG - EGI 200	Soil	76		Kg H2SO4/t	1	1	76	76	76	76
CPC14-3	Static	NAG	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24021-07	ACZ	05/07/15	13:59	pH After Oxidation		Single NAG - EGI 200	Soil	2.3		units	0.1	0.1	2.3	2.3	2.3	2.3
CPC14-3	Static	ABA	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24021-07	ACZ	05/07/15	16:52	Neutralization Potential as CaCO3		M600/2-78-054 3.2.3	Soil	0.9		%	0.1	0.5	0.9	0.9	0.9	0.9
CPC14-3	Static	Carbon Forms	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24021-07	ACZ	05/12/15	11:36	Carbon, total (TC)		ASA No.9 29-2.2.4 Co	Soil			U %	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	Carbon Forms	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24021-07	ACZ	05/12/15	11:36	Carbon, total inorganic (TIC)		ASA No. 9 29-2.2.4 (	Soil			U %	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	Carbon Forms	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24021-07	ACZ	05/12/15	11:36	Carbon, total organic (TOC)	10355	ASA No.9 29-2.2.4 Co	Soil			U %	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	ABA	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24021-07	ACZ	05/26/15	12:00	Acid Generation Potential (calc on Sulfur total)		M600/2-78-054 3.2.4	Soil	106.5625		t CaCO3/Kt	0.31	3.1	106.5625	106.5625	106.5625	106.5625
CPC14-3	Static	ABA	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24021-07	ACZ	05/26/15	12:00	Acid Neutralization Potential (calc)		M600/2-78-054 1.3	Soil	9		t CaCO3/Kt	1	5	9	9	9	9
CPC14-3	Static	ABA	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24021-07	ACZ	05/26/15	12:00	Acid-Base Potential (calc on Sulfur total)		M600/2-78-054 1.3	Soil	-98		t CaCO3/Kt			-98	-98	98	-98
CPC14-3	Static	NAG Leachate	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24195-07	ACZ	05/08/15	15:23	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Static	NAG Leachate	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24195-07	ACZ	05/12/15	17:49	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate	16.2		mg/L	0.03	0.2	16.2	16.2	16.2	16.2
CPC14-3	Static	NAG Leachate	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24195-07	ACZ	05/12/15	17:49	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.08		mg/L	0.003	0.02	0.08	0.08	0.08	0.08
CPC14-3	Static	NAG Leachate	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24195-07	ACZ	05/12/15	17:49	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Static	NAG Leachate	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24195-07	ACZ	05/12/15	17:49	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.06		mg/L	0.01	0.05	0.06	0.06	0.06	0.06
CPC14-3	Static	NAG Leachate	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24195-07	ACZ	05/12/15	17:49	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	12.7		mg/L	0.1	0.5	12.7	12.7	12.7	12.7
CPC14-3	Static	NAG Leachate	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24195-07	ACZ	05/12/15	17:49	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Static	NAG Leachate	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24195-07	ACZ	05/12/15	17:49	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate	0.12		mg/L	0.01	0.05	0.12	0.12	0.12	0.12
CPC14-3	Static	NAG Leachate	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24195-07	ACZ	05/12/15	17:49	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.28		mg/L	0.01	0.05	0.28	0.28	0.28	0.28
CPC14-3	Static	NAG Leachate	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24195-07	ACZ	05/12/15	17:49	Gallium, dissolved	7440-55-3	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG Leachate	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24195-07	ACZ	05/12/15	17:49	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	62.6		mg/L	0.02	0.05	62.6	62.6	62.6	62.6
CPC14-3	Static	NAG Leachate	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24195-07	ACZ	05/12/15	17:49	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate	0.042		mg/L	0.008	0.04	0.042	0.042	0.042	0.042
CPC14-3	Static	NAG Leachate	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24195-07	ACZ	05/12/15	17:49	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	3		mg/L	0.2	1	3	3	3	3
CPC14-3	Static	NAG Leachate	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24195-07	ACZ	05/12/15	17:49	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	12.1		mg/L	0.005	0.03	12.1	12.1	12.1	12.1
CPC14-3	Static	NAG Leachate	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24195-07	ACZ	05/12/15	17:49	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Static	NAG Leachate	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24195-07	ACZ	05/12/15	17:49	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate	0.06		mg/L	0.008	0.04	0.06	0.06	0.06	0.06
CPC14-3	Static	NAG Leachate	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24195-07	ACZ	05/12/15	17:49	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	14.1		mg/L	0.2	1	14.1	14.1	14.1	14.1
CPC14-3	Static	NAG Leachate	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24195-07	ACZ	05/12/15	17:49	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG Leachate	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24195-07	ACZ	05/12/15	17:49	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3	Static	NAG Leachate	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24195-07	ACZ	05/12/15	17:49	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	5.3		mg/L	0.2	1	5.3	5.3	5.3	5.3
CPC14-3	Static	NAG Leachate	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24195-07	ACZ	05/12/15	17:49	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	1.46		mg/L	0.005	0.03	1.46	1.46	1.46	1.46
CPC14-3	Static	NAG Leachate	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24195-07	ACZ	05/12/15	17:49	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Static	NAG Leachate	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24195-07	ACZ	05/12/15	17:49	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Static	NAG Leachate	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24195-07	ACZ	05/12/15	17:49	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.79		mg/L	0.01	0.05	0.79	0.79	0.79	0.79
CPC14-3	Static	NAG Leachate	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24195-07	ACZ	05/13/15	21:59	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Static	NAG Leachate	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24195-07	ACZ	05/16/15	01:11	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Leachate		U	mg/L	0.0004	0.002	<0.0004	-0.0004	0.0004	0
CPC14-3	Static	NAG Leachate	CPC14-3/1600-1800/Static	CPC14-3/1600-1800/ST	04/07/15	L24195-07	ACZ	05/16/15	01:11	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0021		mg/L	0.0002	0.001	0.0021	0.0021	0.0021	0.0021
CPC14-3	Static	NAG Leachate	CPC14-3/1600-1800/Static	CPC14-3																		

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3	Static	NAG Leachate	CPC14-3/1800-2000/Static	CPC14-3/1800-2000/ST	05/21/15	L24879-01	ACZ	06/18/15	16:50	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.06		mg/L	0.01	0.05	0.06	0.06	0.06	0.06
CPC14-3	Static	NAG Leachate	CPC14-3/1800-2000/Static	CPC14-3/1800-2000/ST	05/21/15	L24879-01	ACZ	06/18/15	16:50	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	9.5		mg/L	0.1	0.5	9.5	9.5	9.5	9.5
CPC14-3	Static	NAG Leachate	CPC14-3/1800-2000/Static	CPC14-3/1800-2000/ST	05/21/15	L24879-01	ACZ	06/18/15	16:50	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Static	NAG Leachate	CPC14-3/1800-2000/Static	CPC14-3/1800-2000/ST	05/21/15	L24879-01	ACZ	06/18/15	16:50	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate	0.11		mg/L	0.01	0.05	0.11	0.11	0.11	0.11
CPC14-3	Static	NAG Leachate	CPC14-3/1800-2000/Static	CPC14-3/1800-2000/ST	05/21/15	L24879-01	ACZ	06/18/15	16:50	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.32		mg/L	0.01	0.05	0.32	0.32	0.32	0.32
CPC14-3	Static	NAG Leachate	CPC14-3/1800-2000/Static	CPC14-3/1800-2000/ST	05/21/15	L24879-01	ACZ	06/18/15	16:50	Gallium, dissolved	7440-55-3	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG Leachate	CPC14-3/1800-2000/Static	CPC14-3/1800-2000/ST	05/21/15	L24879-01	ACZ	06/18/15	16:50	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate	0.032	B	mg/L	0.008	0.04	0.032*	0.032	0.032	0.032
CPC14-3	Static	NAG Leachate	CPC14-3/1800-2000/Static	CPC14-3/1800-2000/ST	05/21/15	L24879-01	ACZ	06/18/15	16:50	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	6.8		mg/L	0.2	1	6.8	6.8	6.8	6.8
CPC14-3	Static	NAG Leachate	CPC14-3/1800-2000/Static	CPC14-3/1800-2000/ST	05/21/15	L24879-01	ACZ	06/18/15	16:50	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	15.2		mg/L	0.005	0.03	15.2	15.2	15.2	15.2
CPC14-3	Static	NAG Leachate	CPC14-3/1800-2000/Static	CPC14-3/1800-2000/ST	05/21/15	L24879-01	ACZ	06/18/15	16:50	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Static	NAG Leachate	CPC14-3/1800-2000/Static	CPC14-3/1800-2000/ST	05/21/15	L24879-01	ACZ	06/18/15	16:50	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate	0.052		mg/L	0.008	0.04	0.052	0.052	0.052	0.052
CPC14-3	Static	NAG Leachate	CPC14-3/1800-2000/Static	CPC14-3/1800-2000/ST	05/21/15	L24879-01	ACZ	06/18/15	16:50	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	10		mg/L	0.2	1	10	10	10	10
CPC14-3	Static	NAG Leachate	CPC14-3/1800-2000/Static	CPC14-3/1800-2000/ST	05/21/15	L24879-01	ACZ	06/18/15	16:50	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG Leachate	CPC14-3/1800-2000/Static	CPC14-3/1800-2000/ST	05/21/15	L24879-01	ACZ	06/18/15	16:50	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate	0.01	B	mg/L	0.01	0.03	0.01*	0.01	0.01	0.01
CPC14-3	Static	NAG Leachate	CPC14-3/1800-2000/Static	CPC14-3/1800-2000/ST	05/21/15	L24879-01	ACZ	06/18/15	16:50	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	4.7		mg/L	0.2	1	4.7	4.7	4.7	4.7
CPC14-3	Static	NAG Leachate	CPC14-3/1800-2000/Static	CPC14-3/1800-2000/ST	05/21/15	L24879-01	ACZ	06/18/15	16:50	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	3.47		mg/L	0.005	0.03	3.47	3.47	3.47	3.47
CPC14-3	Static	NAG Leachate	CPC14-3/1800-2000/Static	CPC14-3/1800-2000/ST	05/21/15	L24879-01	ACZ	06/18/15	16:50	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Static	NAG Leachate	CPC14-3/1800-2000/Static	CPC14-3/1800-2000/ST	05/21/15	L24879-01	ACZ	06/18/15	16:50	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate	0.007	B	mg/L	0.005	0.03	0.007*	0.007	0.007	0.007
CPC14-3	Static	NAG Leachate	CPC14-3/1800-2000/Static	CPC14-3/1800-2000/ST	05/21/15	L24879-01	ACZ	06/18/15	16:50	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Static	NAG Leachate	CPC14-3/1800-2000/Static	CPC14-3/1800-2000/ST	05/21/15	L24879-01	ACZ	06/18/15	16:50	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.85		mg/L	0.01	0.05	0.85	0.85	0.85	0.85
CPC14-3	Static	NAG Leachate	CPC14-3/1800-2000/Static	CPC14-3/1800-2000/ST	05/21/15	L24879-01	ACZ	06/19/15	20:02	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	94.8		mg/L	0.02	0.05	94.8	94.8	94.8	94.8
CPC14-3	Static	NAG Leachate	CPC14-3/1800-2000/Static	CPC14-3/1800-2000/ST	05/21/15	L24879-01	ACZ	06/20/15	02:25	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Leachate		U	mg/L	0.0004	0.002	<0.0004	-0.0004	0.0004	0
CPC14-3	Static	NAG Leachate	CPC14-3/1800-2000/Static	CPC14-3/1800-2000/ST	05/21/15	L24879-01	ACZ	06/20/15	02:25	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.002		mg/L	0.0002	0.001	0.002	0.002	0.002	0.002
CPC14-3	Static	NAG Leachate	CPC14-3/1800-2000/Static	CPC14-3/1800-2000/ST	05/21/15	L24879-01	ACZ	06/20/15	02:25	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate	0.00465		mg/L	0.00005	0.0003	0.00465	0.00465	0.00465	0.00465
CPC14-3	Static	NAG Leachate	CPC14-3/1800-2000/Static	CPC14-3/1800-2000/ST	05/21/15	L24879-01	ACZ	06/20/15	02:25	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.005		mg/L	0.0001	0.0005	0.005	0.005	0.005	0.005
CPC14-3	Static	NAG Leachate	CPC14-3/1800-2000/Static	CPC14-3/1800-2000/ST	05/21/15	L24879-01	ACZ	06/20/15	02:25	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.3236		mg/L	0.0001	0.0005	0.3236	0.3236	0.3236	0.3236
CPC14-3	Static	NAG Leachate	CPC14-3/1800-2000/Static	CPC14-3/1800-2000/ST	05/21/15	L24879-01	ACZ	06/20/15	02:25	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Leachate	0.0005		mg/L	0.0001	0.0005	0.0005	0.0005	0.0005	0.0005
CPC14-3	Static	NAG Leachate	CPC14-3/1800-2000/Static	CPC14-3/1800-2000/ST	05/21/15	L24879-01	ACZ	06/23/15	21:52	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Leachate	0.0106		mg/L	0.0001	0.0003	0.0106	0.0106	0.0106	0.0106
CPC14-3	Static	ABA	CPC14-3/2000-2200/Static	CPC14-3/2000-2200/	05/21/15	L24518-02	ACZ	06/17/15	09:25	Acid Neutralization Potential (calc)		M600/2-78-054 1.3	Soil	28		t CaCO3/Kt	1	5	28	28	28	28
CPC14-3	Static	NAG	CPC14-3/2000-2200/Static	CPC14-3/2000-2200/	05/21/15	L24518-02	ACZ	06/11/15	19:24	NAG		Single NAG - EGI 200	Soil	76		Kg H2SO4/t	1	1	76	76	76	76
CPC14-3	Static	NAG	CPC14-3/2000-2200/Static	CPC14-3/2000-2200/	05/21/15	L24518-02	ACZ	06/11/15	19:24	pH After Oxidation		Single NAG - EGI 200	Soil	2.3		units	0.1	0.1	2.3	2.3	2.3	2.3
CPC14-3	Static	Sulfur Forms	CPC14-3/2000-2200/Static	CPC14-3/2000-2200/	05/21/15	L24518-02	ACZ	06/11/15	21:58	Sulfur HCl Residue		M600/2-78-054 3.2.4-	Soil	3.81		%	0.01	0.1	3.81	3.81	3.81	3.81
CPC14-3	Static	Sulfur Forms	CPC14-3/2000-2200/Static	CPC14-3/2000-2200/	05/21/15	L24518-02	ACZ	06/11/15	21:58	Sulfur HNO3 Residue		M600/2-78-054 3.2.4-	Soil	0.02	B	%	0.01	0.1	0.02*	0.02	0.02	0.02
CPC14-3	Static	Sulfur Forms	CPC14-3/2000-2200/Static	CPC14-3/2000-2200/	05/21/15	L24518-02	ACZ	06/11/15	21:58	Sulfur Organic Residual		M600/2-78-054 3.2.4-	Soil	0.02	B	%	0.01	0.1	0.02*	0.02	0.02	0.02
CPC14-3	Static	Sulfur Forms	CPC14-3/2000-2200/Static	CPC14-3/2000-2200/	05/21/15	L24518-02	ACZ	06/11/15	21:58	Sulfur Pyritic Sulfide		M600/2-78-054 3.2.4-	Soil	3.79		%	0.01	0.1	3.79	3.79	3.79	3.79
CPC14-3	Static	Sulfur Forms	CPC14-3/2000-2200/Static	CPC14-3/2000-2200/	05/21/15	L24518-02	ACZ	06/11/15	21:58	Sulfur Sulfate		M600/2-78-054 3.2.4-	Soil	0.52		%	0.01	0.1	0.52	0.52	0.52	0.52
CPC14-3	Static	Sulfur Forms	CPC14-3/2000-2200/Static	CPC14-3/2000-2200/	05/21/15	L24518-02	ACZ	06/11/15	21:58	Sulfur Total		M600/2-78-054 3.2.4-	Soil	4.33		%	0.01	0.1	4.33	4.33	4.33	4.33
CPC14-3	Static	Sulfur Forms	CPC14-3/2000-2200/Static	CPC14-3/2000-2200/	05/21/15	L24518-02	ACZ	06/11/15	21:58	Total Sulfur minus Sulfate		M600/2-78-054 3.2.4-	Soil	3.81		%	0.01	0.1	3.81	3.81	3.81	3.81
CPC14-3	Static	ABA	CPC14-3/2000-2200/Static	CPC14-3/2000-2200/	05/21/15	L24518-02	ACZ	06/12/15	21:26	Neutralization Potential as CaCO3		M600/2-78-054 3.2.3	Soil	2.8		%	0.1	0.5	2.8	2.8	2.8	2.8
CPC14-3	Static	Carbon Forms	CPC14-3/2000-2200/Static	CPC14-3/2000-2200/	05/21/15	L24518-02	ACZ	06/13/15	08:33	Carbon, total (TC)		ASA No.9 29-2.2.4 Co	Soil	0.3	B	%	0.1	0.5	0.3*	0.3	0.3	0.3
CPC14-3	Static	Carbon Forms	CPC14-3/2000-2200/Static	CPC14-3/2000-2200/	05/21/15	L24518-02	ACZ	06/13/15	08:33	Carbon, total inorganic (TIC)		ASA No. 9 29-2.2.4 (	Soil	0.2	B	%	0.1	0.5	0.2*	0.2	0.2	0.2
CPC14-3	Static	Carbon Forms	CPC14-3/2000-2200/Static	CPC14-3/2000-2200/	05/21/15	L24518-02	ACZ	06/13/15	08:33	Carbon, total organic (TOC)	10355	ASA No.9 29-2.2.4 Co	Soil	0.1	B	%	0.1	0.5	0.1*	0.1	0.1	0.1
CPC14-3	Static	ABA	CPC14-3/2000-2200/Static	CPC14-3/2000-2200/	05/21/15	L24518-02	ACZ	06/17/15	09:25	Acid Generation Potential (calc on Sulfur total)		M600/2-78-054 3.2.4	Soil	135.3125		t CaCO3/Kt	0.31	3.1	135.3125	135.3125	135.3125	135.3125
CPC14-3	Static	ABA	CPC14-3/2000-2200/Static	CPC14-3/2000-2200/	05/21/15	L24518-02	ACZ	06/17/15	09:25	Acid-Base Potential (calc on Sulfur total)		M600/2-78-054 1.3	Soil	-107		t CaCO3/Kt	-107	-107	-107	-107	-107	-107
CPC14-3	Static	NAG Leachate	CPC14-3/2000-2200/Static	CPC14-3/2000-2200/-N	05/21/15	L24879-02	ACZ	06/16/15	16:38	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Static	NAG Leachate	CPC14-3/2000-2200/Static	CPC14-3/2000-2200/-N	05/21/15	L24879-02	ACZ	06/18/15	16:59	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate	12.8		mg/L	0.03	0.2	12.8	12.8	12.8	12.8
CPC14-3	Static	NAG Leachate	CPC14-3/2000-2200/Static	CPC14-3/2000-2200/-N	05/21/15	L24879-02	ACZ	06/18/15	16:59	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.197		mg/L	0.003	0.02	0.197	0.197	0.197	0.197
CPC14-3	Static	NAG Leachate	CPC14-3/2000-2200/Static	CPC14-3/2000-2200/-N	05/21/15	L24879-02	ACZ	06/18/15	16:59	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Static	NAG Leachate	CPC14-3/2000-2200/Static	CPC14-3/2000-2200/-N	05/21/15	L24879-02	ACZ	06/18/15	16:59	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.07		mg/L	0.01	0.05	0.07	0.07	0.07	0.07
CPC14-3	Static	NAG Leachate	CPC14-3/2000-2200/Static	CPC1																		

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Static	NAG Leachate	CPC14-3/2000-2200/Static	CPC14-3/2000-2200/-N	05/21/15	L24879-02	ACZ	06/20/15	02:29	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Leachate	0.0111		mg/L	0.0001	0.0003	0.0111	0.0111	0.0111	0.0111
CPC14-3	Static	NAG Leachate	CPC14-3/2000-2200/Static	CPC14-3/2000-2200/-N	05/21/15	L24879-02	ACZ	06/20/15	02:29	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Leachate	0.001		mg/L	0.0001	0.0005	0.001	0.001	0.001	0.001
CPC14-3	Static	ABA	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24518-03	ACZ	06/17/15	09:25	Acid Neutralization Potential (calc)		M600/2-78-054 1.3	Soil	31		t CaCO3/Kt	1	5	31	31	31	31
CPC14-3	Static	Sulfur Forms	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24518-03	ACZ	06/12/15	00:34	Sulfur HCl Residue		M600/2-78-054 3.2.4-	Soil	3.47		%	0.01	0.1	3.47	3.47	3.47	3.47
CPC14-3	Static	Sulfur Forms	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24518-03	ACZ	06/12/15	00:34	Sulfur HNO3 Residue		M600/2-78-054 3.2.4-	Soil	0.03	B	%	0.01	0.1	0.03*	0.03	0.03	0.03
CPC14-3	Static	Sulfur Forms	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24518-03	ACZ	06/12/15	00:34	Sulfur Organic Residual		M600/2-78-054 3.2.4-	Soil	0.03	B	%	0.01	0.1	0.03*	0.03	0.03	0.03
CPC14-3	Static	Sulfur Forms	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24518-03	ACZ	06/12/15	00:34	Sulfur Pyritic Sulfide		M600/2-78-054 3.2.4-	Soil	3.44		%	0.01	0.1	3.44	3.44	3.44	3.44
CPC14-3	Static	Sulfur Forms	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24518-03	ACZ	06/12/15	00:34	Sulfur Sulfate		M600/2-78-054 3.2.4-	Soil	1.65		%	0.01	0.1	1.65	1.65	1.65	1.65
CPC14-3	Static	Sulfur Forms	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24518-03	ACZ	06/12/15	00:34	Sulfur Total		M600/2-78-054 3.2.4-	Soil	5.12		%	0.01	0.1	5.12	5.12	5.12	5.12
CPC14-3	Static	Sulfur Forms	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24518-03	ACZ	06/12/15	00:34	Total Sulfur minus Sulfate		M600/2-78-054 3.2.4-	Soil	3.47		%	0.01	0.1	3.47	3.47	3.47	3.47
CPC14-3	Static	NAG	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24518-03	ACZ	06/12/15	00:36	NAG		Single NAG - EGI 200	Soil	78		Kg H2SO4/t	1	1	78	78	78	78
CPC14-3	Static	NAG	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24518-03	ACZ	06/12/15	00:36	pH After Oxidation		Single NAG - EGI 200	Soil	2.2		units	0.1	0.1	2.2	2.2	2.2	2.2
CPC14-3	Static	ABA	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24518-03	ACZ	06/13/15	07:17	Neutralization Potential as CaCO3		M600/2-78-054 3.2.3	Soil	3.1		%	0.1	0.5	3.1	3.1	3.1	3.1
CPC14-3	Static	Carbon Forms	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24518-03	ACZ	06/13/15	14:12	Carbon, total (TC)		ASA No.9 29-2.2.4 Co	Soil	0.3	B	%	0.1	0.5	0.3*	0.3	0.3	0.3
CPC14-3	Static	Carbon Forms	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24518-03	ACZ	06/13/15	14:12	Carbon, total inorganic (TIC)		ASA No. 9 29-2.2.4 (	Soil	0.2	B	%	0.1	0.5	0.2*	0.2	0.2	0.2
CPC14-3	Static	Carbon Forms	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24518-03	ACZ	06/13/15	14:12	Carbon, total organic (TOC)	10355	ASA No.9 29-2.2.4 Co	Soil	0.1	B	%	0.1	0.5	0.1*	0.1	0.1	0.1
CPC14-3	Static	ABA	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24518-03	ACZ	06/17/15	09:25	Acid Generation Potential (calc on Sulfur total)		M600/2-78-054 3.2.4	Soil	160		t CaCO3/Kt	0.31	3.1	160	160	160	160
CPC14-3	Static	ABA	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24518-03	ACZ	06/17/15	09:25	Acid-Base Potential (calc on Sulfur total)		M600/2-78-054 1.3	Soil	-129		t CaCO3/Kt			-129	-129	129	-129
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/16/15	16:40	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/18/15	17:02	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate	11.3		mg/L	0.03	0.2	11.3	11.3	11.3	11.3
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/18/15	17:02	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.149		mg/L	0.003	0.02	0.149	0.149	0.149	0.149
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/18/15	17:02	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/18/15	17:02	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.06		mg/L	0.01	0.05	0.06	0.06	0.06	0.06
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/18/15	17:02	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	102		mg/L	0.1	0.5	102	102	102	102
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/18/15	17:02	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/18/15	17:02	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate	0.12		mg/L	0.01	0.05	0.12	0.12	0.12	0.12
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/18/15	17:02	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.4		mg/L	0.01	0.05	0.4	0.4	0.4	0.4
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/18/15	17:02	Gallium, dissolved	7440-55-3	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/18/15	17:02	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate	0.066		mg/L	0.008	0.04	0.066	0.066	0.066	0.066
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/18/15	17:02	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	21		mg/L	0.2	1	21	21	21	21
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/18/15	17:02	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	15		mg/L	0.005	0.03	15	15	15	15
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/18/15	17:02	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/18/15	17:02	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate	0.051		mg/L	0.008	0.04	0.051	0.051	0.051	0.051
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/18/15	17:02	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	16.4		mg/L	0.2	1	16.4	16.4	16.4	16.4
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/18/15	17:02	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/18/15	17:02	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate	0.01	B	mg/L	0.01	0.03	0.01*	0.01	0.01	0.01
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/18/15	17:02	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	4.9		mg/L	0.2	1	4.9	4.9	4.9	4.9
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/18/15	17:02	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	5.86		mg/L	0.005	0.03	5.86	5.86	5.86	5.86
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/18/15	17:02	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/18/15	17:02	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate	0.014	B	mg/L	0.005	0.03	0.014*	0.014	0.014	0.014
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/18/15	17:02	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate	0.008	B	mg/L	0.005	0.03	0.008*	0.008	0.008	0.008
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/18/15	17:02	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	1		mg/L	0.01	0.05	1	1	1	1
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/19/15	20:09	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	95.3		mg/L	0.02	0.05	95.3	95.3	95.3	95.3
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/20/15	02:32	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Leachate	0.001	B	mg/L	0.0004	0.002	0.001*	0.001	0.001	0.001
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/20/15	02:32	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0011		mg/L	0.0002	0.001	0.0011	0.0011	0.0011	0.0011
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/20/15	02:32	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate	0.00481		mg/L	0.00005	0.0003	0.00481	0.00481	0.00481	0.00481
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/20/15	02:32	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.006		mg/L	0.0001	0.0005	0.006	0.006	0.006	0.006
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/20/15	02:32	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Leachate	0.0102		mg/L	0.0001	0.0003	0.0102	0.0102	0.0102	0.0102
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/ST	05/21/15	L24879-03	ACZ	06/20/15	02:32	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Leachate	0.0009		mg/L	0.0001	0.0005	0.0009	0.0009	0.0009	0.0009
CPC14-3	Static	NAG Leachate	CPC14-3/2200-2400/Static	CPC14-3/2200-2400/																		

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3	Static	NAG Leachate	CPC14-3/2400-2600/Static	CPC14-3/2400-2600/ST	05/21/15	L24879-04	ACZ	06/18/15	17:06	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.2		mg/L	0.01	0.05	0.2	0.2	0.2	0.2
CPC14-3	Static	NAG Leachate	CPC14-3/2400-2600/Static	CPC14-3/2400-2600/ST	05/21/15	L24879-04	ACZ	06/18/15	17:06	Gallium, dissolved	7440-55-3	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG Leachate	CPC14-3/2400-2600/Static	CPC14-3/2400-2600/ST	05/21/15	L24879-04	ACZ	06/18/15	17:06	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate	0.041		mg/L	0.008	0.04	0.041	0.041	0.041	0.041
CPC14-3	Static	NAG Leachate	CPC14-3/2400-2600/Static	CPC14-3/2400-2600/ST	05/21/15	L24879-04	ACZ	06/18/15	17:06	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	10.9		mg/L	0.2	1	10.9	10.9	10.9	10.9
CPC14-3	Static	NAG Leachate	CPC14-3/2400-2600/Static	CPC14-3/2400-2600/ST	05/21/15	L24879-04	ACZ	06/18/15	17:06	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	12.8		mg/L	0.005	0.03	12.8	12.8	12.8	12.8
CPC14-3	Static	NAG Leachate	CPC14-3/2400-2600/Static	CPC14-3/2400-2600/ST	05/21/15	L24879-04	ACZ	06/18/15	17:06	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Static	NAG Leachate	CPC14-3/2400-2600/Static	CPC14-3/2400-2600/ST	05/21/15	L24879-04	ACZ	06/18/15	17:06	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate	0.029	B	mg/L	0.008	0.04	0.029*	0.029	0.029	0.029
CPC14-3	Static	NAG Leachate	CPC14-3/2400-2600/Static	CPC14-3/2400-2600/ST	05/21/15	L24879-04	ACZ	06/18/15	17:06	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	8.3		mg/L	0.2	1	8.3	8.3	8.3	8.3
CPC14-3	Static	NAG Leachate	CPC14-3/2400-2600/Static	CPC14-3/2400-2600/ST	05/21/15	L24879-04	ACZ	06/18/15	17:06	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG Leachate	CPC14-3/2400-2600/Static	CPC14-3/2400-2600/ST	05/21/15	L24879-04	ACZ	06/18/15	17:06	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3	Static	NAG Leachate	CPC14-3/2400-2600/Static	CPC14-3/2400-2600/ST	05/21/15	L24879-04	ACZ	06/18/15	17:06	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	4.1		mg/L	0.2	1	4.1	4.1	4.1	4.1
CPC14-3	Static	NAG Leachate	CPC14-3/2400-2600/Static	CPC14-3/2400-2600/ST	05/21/15	L24879-04	ACZ	06/18/15	17:06	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	8.72		mg/L	0.005	0.03	8.72	8.72	8.72	8.72
CPC14-3	Static	NAG Leachate	CPC14-3/2400-2600/Static	CPC14-3/2400-2600/ST	05/21/15	L24879-04	ACZ	06/18/15	17:06	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Static	NAG Leachate	CPC14-3/2400-2600/Static	CPC14-3/2400-2600/ST	05/21/15	L24879-04	ACZ	06/18/15	17:06	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate	0.01	B	mg/L	0.005	0.03	0.01*	0.01	0.01	0.01
CPC14-3	Static	NAG Leachate	CPC14-3/2400-2600/Static	CPC14-3/2400-2600/ST	05/21/15	L24879-04	ACZ	06/18/15	17:06	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Static	NAG Leachate	CPC14-3/2400-2600/Static	CPC14-3/2400-2600/ST	05/21/15	L24879-04	ACZ	06/18/15	17:06	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.56		mg/L	0.01	0.05	0.56	0.56	0.56	0.56
CPC14-3	Static	NAG Leachate	CPC14-3/2400-2600/Static	CPC14-3/2400-2600/ST	05/21/15	L24879-04	ACZ	06/19/15	20:18	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	44.7		mg/L	0.02	0.05	44.7	44.7	44.7	44.7
CPC14-3	Static	NAG Leachate	CPC14-3/2400-2600/Static	CPC14-3/2400-2600/ST	05/21/15	L24879-04	ACZ	06/20/15	02:35	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Leachate	0.0006	B	mg/L	0.0004	0.002	0.0006*	0.0006	0.0006	0.0006
CPC14-3	Static	NAG Leachate	CPC14-3/2400-2600/Static	CPC14-3/2400-2600/ST	05/21/15	L24879-04	ACZ	06/20/15	02:35	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0009	B	mg/L	0.0002	0.001	0.0009*	0.0009	0.0009	0.0009
CPC14-3	Static	NAG Leachate	CPC14-3/2400-2600/Static	CPC14-3/2400-2600/ST	05/21/15	L24879-04	ACZ	06/20/15	02:35	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate	0.00515		mg/L	0.00005	0.0003	0.00515	0.00515	0.00515	0.00515
CPC14-3	Static	NAG Leachate	CPC14-3/2400-2600/Static	CPC14-3/2400-2600/ST	05/21/15	L24879-04	ACZ	06/20/15	02:35	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0036		mg/L	0.0001	0.0005	0.0036	0.0036	0.0036	0.0036
CPC14-3	Static	NAG Leachate	CPC14-3/2400-2600/Static	CPC14-3/2400-2600/ST	05/21/15	L24879-04	ACZ	06/20/15	02:35	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Leachate	0.0103		mg/L	0.0001	0.0003	0.0103	0.0103	0.0103	0.0103
CPC14-3	Static	NAG Leachate	CPC14-3/2400-2600/Static	CPC14-3/2400-2600/ST	05/21/15	L24879-04	ACZ	06/20/15	02:35	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Leachate	0.0003	B	mg/L	0.0001	0.0005	0.0003*	0.0003	0.0003	0.0003
CPC14-3	Static	NAG Leachate	CPC14-3/2400-2600/Static	CPC14-3/2400-2600/ST	05/21/15	L24879-04	ACZ	06/22/15	16:56	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.5425		mg/L	0.0005	0.003	0.5425	0.5425	0.5425	0.5425
CPC14-3	Static	ABA	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	07/02/15	08:11	Acid Neutralization Potential (calc)		M600/2-78-054 1.3	Soil	29		t CaCO3/Kt	1	5	29	29	29	29
CPC14-3	Static	ABA	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	07/02/15	08:11	Acid Neutralization Potential (calc)		M600/2-78-054 1.3	Soil	29		t CaCO3/Kt	1	5	29	29	29	29
CPC14-3	Static	Sulfur Forms	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	06/19/15	02:30	Sulfur HCl Residue		M600/2-78-054 3.2.4-	Soil	3.26		%	0.01	0.1	3.26	3.26	3.26	3.26
CPC14-3	Static	Sulfur Forms	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	06/19/15	02:30	Sulfur HNO3 Residue		M600/2-78-054 3.2.4-	Soil	0.06	B	%	0.01	0.1	0.06*	0.06	0.06	0.06
CPC14-3	Static	Sulfur Forms	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	06/19/15	02:30	Sulfur Organic Residual		M600/2-78-054 3.2.4-	Soil	0.06	B	%	0.01	0.1	0.06*	0.06	0.06	0.06
CPC14-3	Static	Sulfur Forms	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	06/19/15	02:30	Sulfur Pyritic Sulfide		M600/2-78-054 3.2.4-	Soil	3.2		%	0.01	0.1	3.2	3.2	3.2	3.2
CPC14-3	Static	Sulfur Forms	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	06/19/15	02:30	Sulfur Sulfate		M600/2-78-054 3.2.4-	Soil	4.03		%	0.01	0.1	4.03	4.03	4.03	4.03
CPC14-3	Static	Sulfur Forms	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	06/19/15	02:30	Sulfur Total		M600/2-78-054 3.2.4-	Soil	7.29		%	0.01	0.1	7.29	7.29	7.29	7.29
CPC14-3	Static	Sulfur Forms	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	06/19/15	02:30	Total Sulfur minus Sulfate		M600/2-78-054 3.2.4-	Soil	3.26		%	0.01	0.1	3.26	3.26	3.26	3.26
CPC14-3	Static	Carbon Forms	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	06/19/15	10:30	Carbon, total (TC)		ASA No.9 29-2.2.4 Co	Soil	0.3	B	%	0.1	0.5	0.3*	0.3	0.3	0.3
CPC14-3	Static	Carbon Forms	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	06/19/15	10:30	Carbon, total inorganic (TIC)		ASA No. 9 29-2.2.4 (	Soil	0.2	B	%	0.1	0.5	0.2*	0.2	0.2	0.2
CPC14-3	Static	Carbon Forms	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	06/19/15	10:30	Carbon, total organic (TOC)	10355	ASA No.9 29-2.2.4 Co	Soil	0.1	B	%	0.1	0.5	0.1*	0.1	0.1	0.1
CPC14-3	Static	NAG	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	06/22/15	10:00	NAG		Single NAG - EGI 200	Soil	73		Kg H2SO4/t	1	1	73	73	73	73
CPC14-3	Static	NAG	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	06/22/15	10:00	pH After Oxidation		Single NAG - EGI 200	Soil	2.2		units	0.1	0.1	2.2	2.2	2.2	2.2
CPC14-3	Static	ABA	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	07/01/15	13:32	Neutralization Potential as CaCO3		M600/2-78-054 3.2.3	Soil	2.9		%	0.1	0.5	2.9	2.9	2.9	2.9
CPC14-3	Static	ABA	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	07/02/15	08:11	Acid Generation Potential (calc on Sulfur total)		M600/2-78-054 3.2.4	Soil	227.8125		t CaCO3/Kt	0.31	3.1	227.8125	227.8125	227.8125	227.8125
CPC14-3	Static	ABA	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	07/02/15	08:11	Acid-Base Potential (calc on Sulfur total)		M600/2-78-054 1.3	Soil	-199		t CaCO3/Kt			-199	-199	199	-199
CPC14-3	Static	NAG Leachate	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L25074-01	ACZ	06/30/15	12:40	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Static	NAG Leachate	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L25074-01	ACZ	06/30/15	23:17	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate	8.7		mg/L	0.03	0.2	8.7	8.7	8.7	8.7
CPC14-3	Static	NAG Leachate	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L25074-01	ACZ	06/30/15	23:17	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.101		mg/L	0.003	0.02	0.101	0.101	0.101	0.101
CPC14-3	Static	NAG Leachate	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L25074-01	ACZ	06/30/15	23:17	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Static	NAG Leachate	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L25074-01	ACZ	06/30/15	23:17	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.03	B	mg/L	0.01	0.05	0.03*	0.03	0.03	0.03
CPC14-3	Static	NAG Leachate	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L25074-01	ACZ	06/30/15	23:17	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	345		mg/L	0.1	0.5	345	345	345	345
CPC14-3	Static	NAG Leachate	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L25074-01	ACZ	06/30/15	23:17	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Static	NAG Leachate	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L25074-01	ACZ	06/30/15	23:17	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate	0.12		mg/L	0.01	0.05	0.12	0.12	0.12	0.12
CPC14-3	Static	NAG Leachate	CPC14-3/2600-2800/Static	CPC1																		

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Static	Sulfur Forms	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	06/19/15	02:30	Sulfur HNO3 Residue		M600/2-78-054 3.2.4-	Soil	0.06	B	%	0.01	0.1	0.06*	0.06	0.06	0.06
CPC14-3	Static	Sulfur Forms	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	06/19/15	02:30	Sulfur Organic Residual		M600/2-78-054 3.2.4-	Soil	0.06	B	%	0.01	0.1	0.06*	0.06	0.06	0.06
CPC14-3	Static	Sulfur Forms	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	06/19/15	02:30	Sulfur Pyritic Sulfide		M600/2-78-054 3.2.4-	Soil	3.2		%	0.01	0.1	3.2	3.2	3.2	3.2
CPC14-3	Static	Sulfur Forms	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	06/19/15	02:30	Sulfur Sulfate		M600/2-78-054 3.2.4-	Soil	4.03		%	0.01	0.1	4.03	4.03	4.03	4.03
CPC14-3	Static	Sulfur Forms	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	06/19/15	02:30	Sulfur Total		M600/2-78-054 3.2.4-	Soil	7.29		%	0.01	0.1	7.29	7.29	7.29	7.29
CPC14-3	Static	Sulfur Forms	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	06/19/15	02:30	Total Sulfur minus Sulfate		M600/2-78-054 3.2.4-	Soil	3.26		%	0.01	0.1	3.26	3.26	3.26	3.26
CPC14-3	Static	Carbon Forms	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	06/19/15	10:30	Carbon, total (TC)		ASA No.9 29-2.2.4 Co	Soil	0.3	B	%	0.1	0.5	0.3*	0.3	0.3	0.3
CPC14-3	Static	Carbon Forms	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	06/19/15	10:30	Carbon, total inorganic (TIC)		ASA No. 9 29-2.2.4 (	Soil	0.2	B	%	0.1	0.5	0.2*	0.2	0.2	0.2
CPC14-3	Static	Carbon Forms	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	06/19/15	10:30	Carbon, total organic (TOC)	10355	ASA No.9 29-2.2.4 Co	Soil	0.1	B	%	0.1	0.5	0.1*	0.1	0.1	0.1
CPC14-3	Static	NAG	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	06/22/15	10:00	NAG		Single NAG - EGI 200	Soil	73		Kg H2SO4/t	1	1	73	73	73	73
CPC14-3	Static	NAG	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	06/22/15	10:00	pH After Oxidation		Single NAG - EGI 200	Soil	2.2		units	0.1	0.1	2.2	2.2	2.2	2.2
CPC14-3	Static	ABA	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	07/01/15	13:32	Neutralization Potential as CaCO3		M600/2-78-054 3.2.3	Soil	2.9		%	0.1	0.5	2.9	2.9	2.9	2.9
CPC14-3	Static	ABA	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	07/02/15	08:11	Acid Generation Potential (calc on Sulfur total)		M600/2-78-054 3.2.4	Soil	227.8125		t CaCO3/Kt	0.31	3.1	227.8125	227.8125	227.8125	227.8125
CPC14-3	Static	ABA	CPC14-3/2600-2800/Static	CPC14-3/2600-2800/ST	06/11/15	L24915-01	ACZ	07/02/15	08:11	Acid-Base Potential (calc on Sulfur total)		M600/2-78-054 1.3	Soil	-199		t CaCO3/Kt			-199	-199	199	-199
CPC14-3	Static	ABA	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L24915-02	ACZ	07/02/15	08:11	Acid Neutralization Potential (calc)		M600/2-78-054 1.3	Soil	14		t CaCO3/Kt	1	5	14	14	14	14
CPC14-3	Static	ABA	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L24915-02	ACZ	07/02/15	08:11	Acid Neutralization Potential (calc)		M600/2-78-054 1.3	Soil	14		t CaCO3/Kt	1	5	14	14	14	14
CPC14-3	Static	Sulfur Forms	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L24915-02	ACZ	06/19/15	05:00	Sulfur HCl Residue		M600/2-78-054 3.2.4-	Soil	1.68		%	0.01	0.1	1.68	1.68	1.68	1.68
CPC14-3	Static	Sulfur Forms	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L24915-02	ACZ	06/19/15	05:00	Sulfur HNO3 Residue		M600/2-78-054 3.2.4-	Soil	0.03	B	%	0.01	0.1	0.03*	0.03	0.03	0.03
CPC14-3	Static	Sulfur Forms	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L24915-02	ACZ	06/19/15	05:00	Sulfur Organic Residual		M600/2-78-054 3.2.4-	Soil	0.03	B	%	0.01	0.1	0.03*	0.03	0.03	0.03
CPC14-3	Static	Sulfur Forms	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L24915-02	ACZ	06/19/15	05:00	Sulfur Pyritic Sulfide		M600/2-78-054 3.2.4-	Soil	1.65		%	0.01	0.1	1.65	1.65	1.65	1.65
CPC14-3	Static	Sulfur Forms	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L24915-02	ACZ	06/19/15	05:00	Sulfur Sulfate		M600/2-78-054 3.2.4-	Soil	4.15		%	0.01	0.1	4.15	4.15	4.15	4.15
CPC14-3	Static	Sulfur Forms	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L24915-02	ACZ	06/19/15	05:00	Sulfur Total		M600/2-78-054 3.2.4-	Soil	5.83		%	0.01	0.1	5.83	5.83	5.83	5.83
CPC14-3	Static	Sulfur Forms	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L24915-02	ACZ	06/19/15	05:00	Total Sulfur minus Sulfate		M600/2-78-054 3.2.4-	Soil	1.68		%	0.01	0.1	1.68	1.68	1.68	1.68
CPC14-3	Static	Carbon Forms	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L24915-02	ACZ	06/19/15	12:00	Carbon, total (TC)		ASA No.9 29-2.2.4 Co	Soil	0.2	B	%	0.1	0.5	0.2*	0.2	0.2	0.2
CPC14-3	Static	Carbon Forms	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L24915-02	ACZ	06/19/15	12:00	Carbon, total inorganic (TIC)		ASA No. 9 29-2.2.4 (	Soil	0.2	B	%	0.1	0.5	0.2*	0.2	0.2	0.2
CPC14-3	Static	Carbon Forms	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L24915-02	ACZ	06/19/15	12:00	Carbon, total organic (TOC)	10355	ASA No.9 29-2.2.4 Co	Soil		U	%	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L24915-02	ACZ	06/22/15	20:00	NAG		Single NAG - EGI 200	Soil	64		Kg H2SO4/t	1	1	64	64	64	64
CPC14-3	Static	NAG	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L24915-02	ACZ	06/22/15	20:00	pH After Oxidation		Single NAG - EGI 200	Soil	2.2		units	0.1	0.1	2.2	2.2	2.2	2.2
CPC14-3	Static	ABA	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L24915-02	ACZ	07/01/15	13:52	Neutralization Potential as CaCO3		M600/2-78-054 3.2.3	Soil	1.4		%	0.1	0.5	1.4	1.4	1.4	1.4
CPC14-3	Static	ABA	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L24915-02	ACZ	07/02/15	08:11	Acid Generation Potential (calc on Sulfur total)		M600/2-78-054 3.2.4	Soil	182.1875		t CaCO3/Kt	0.31	3.1	182.1875	182.1875	182.1875	182.1875
CPC14-3	Static	ABA	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L24915-02	ACZ	07/02/15	08:11	Acid-Base Potential (calc on Sulfur total)		M600/2-78-054 1.3	Soil	-168		t CaCO3/Kt			-168	-168	168	-168
CPC14-3	Static	NAG Leachate	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L25074-02	ACZ	06/30/15	12:46	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Static	NAG Leachate	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L25074-02	ACZ	06/30/15	23:20	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate	8.01		mg/L	0.03	0.2	8.01	8.01	8.01	8.01
CPC14-3	Static	NAG Leachate	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L25074-02	ACZ	06/30/15	23:20	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.071		mg/L	0.003	0.02	0.071	0.071	0.071	0.071
CPC14-3	Static	NAG Leachate	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L25074-02	ACZ	06/30/15	23:20	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Static	NAG Leachate	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L25074-02	ACZ	06/30/15	23:20	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.04	B	mg/L	0.01	0.05	0.04*	0.04	0.04	0.04
CPC14-3	Static	NAG Leachate	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L25074-02	ACZ	06/30/15	23:20	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	289		mg/L	0.1	0.5	289	289	289	289
CPC14-3	Static	NAG Leachate	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L25074-02	ACZ	06/30/15	23:20	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Static	NAG Leachate	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L25074-02	ACZ	06/30/15	23:20	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate	0.08		mg/L	0.01	0.05	0.08	0.08	0.08	0.08
CPC14-3	Static	NAG Leachate	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L25074-02	ACZ	06/30/15	23:20	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.42		mg/L	0.01	0.05	0.42	0.42	0.42	0.42
CPC14-3	Static	NAG Leachate	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L25074-02	ACZ	06/30/15	23:20	Gallium, dissolved	7440-55-3	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG Leachate	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L25074-02	ACZ	06/30/15	23:20	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	67		mg/L	0.02	0.05	67	67	67	67
CPC14-3	Static	NAG Leachate	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L25074-02	ACZ	06/30/15	23:20	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate	0.026	B	mg/L	0.008	0.04	0.026*	0.026	0.026	0.026
CPC14-3	Static	NAG Leachate	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L25074-02	ACZ	06/30/15	23:20	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	7.6		mg/L	0.2	1	7.6	7.6	7.6	7.6
CPC14-3	Static	NAG Leachate	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L25074-02	ACZ	06/30/15	23:20	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	19		mg/L	0.005	0.03	19	19	19	19
CPC14-3	Static	NAG Leachate	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L25074-02	ACZ	06/30/15	23:20	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Static	NAG Leachate	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L25074-02	ACZ	06/30/15	23:20	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate	0.07		mg/L	0.008	0.04	0.07	0.07	0.07	0.07
CPC14-3	Static	NAG Leachate	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L25074-02	ACZ	06/30/15	23:20	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	7.3		mg/L	0.2	1	7.3	7.3	7.3	7.3
CPC14-3	Static	NAG Leachate	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L25074-02	ACZ	06/30/15	23:20	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG Leachate	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L25074-02	ACZ	06/30/15	23:20	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	5		mg/L	0.2	1	5	5	5	5
CPC14-3	Static	NAG Leachate</																				

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3	Static	NAG	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L24915-02	ACZ	06/22/15	20:00	pH After Oxidation		Single NAG - EGI 200	Soil	2.2		units	0.1	0.1	2.2	2.2	2.2	2.2
CPC14-3	Static	ABA	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L24915-02	ACZ	07/01/15	13:52	Neutralization Potential as CaCO3		M600/2-78-054 3.2.3	Soil	1.4		%	0.1	0.5	1.4	1.4	1.4	1.4
CPC14-3	Static	ABA	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L24915-02	ACZ	07/02/15	08:11	Acid Generation Potential (calc on Sulfur total)		M600/2-78-054 3.2.4	Soil	182.1875		t CaCO3/Kt	0.31	3.1	182.1875	182.1875	182.1875	182.1875
CPC14-3	Static	ABA	CPC14-3/2800-3000/Static	CPC14-3/2800-3000/ST	06/11/15	L24915-02	ACZ	07/02/15	08:11	Acid-Base Potential (calc on Sulfur total)		M600/2-78-054 1.3	Soil	-168		t CaCO3/Kt			-168	-168	168	-168
CPC14-3	Static	ABA	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L24915-03	ACZ	07/02/15	08:11	Acid Neutralization Potential (calc)		M600/2-78-054 1.3	Soil	9		t CaCO3/Kt	1	5	9	9	9	9
CPC14-3	Static	ABA	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L24915-03	ACZ	07/02/15	08:11	Acid Neutralization Potential (calc)		M600/2-78-054 1.3	Soil	9		t CaCO3/Kt	1	5	9	9	9	9
CPC14-3	Static	Sulfur Forms	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L24915-03	ACZ	06/19/15	07:30	Sulfur HCl Residue		M600/2-78-054 3.2.4-	Soil	1.43		%	0.01	0.1	1.43	1.43	1.43	1.43
CPC14-3	Static	Sulfur Forms	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L24915-03	ACZ	06/19/15	07:30	Sulfur HNO3 Residue		M600/2-78-054 3.2.4-	Soil	0.02	B	%	0.01	0.1	0.02*	0.02	0.02	0.02
CPC14-3	Static	Sulfur Forms	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L24915-03	ACZ	06/19/15	07:30	Sulfur Organic Residual		M600/2-78-054 3.2.4-	Soil	0.02	B	%	0.01	0.1	0.02*	0.02	0.02	0.02
CPC14-3	Static	Sulfur Forms	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L24915-03	ACZ	06/19/15	07:30	Sulfur Pyritic Sulfide		M600/2-78-054 3.2.4-	Soil	1.41		%	0.01	0.1	1.41	1.41	1.41	1.41
CPC14-3	Static	Sulfur Forms	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L24915-03	ACZ	06/19/15	07:30	Sulfur Sulfate		M600/2-78-054 3.2.4-	Soil	2.04		%	0.01	0.1	2.04	2.04	2.04	2.04
CPC14-3	Static	Sulfur Forms	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L24915-03	ACZ	06/19/15	07:30	Sulfur Total		M600/2-78-054 3.2.4-	Soil	3.47		%	0.01	0.1	3.47	3.47	3.47	3.47
CPC14-3	Static	Sulfur Forms	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L24915-03	ACZ	06/19/15	07:30	Total Sulfur minus Sulfate		M600/2-78-054 3.2.4-	Soil	1.43		%	0.01	0.1	1.43	1.43	1.43	1.43
CPC14-3	Static	Carbon Forms	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L24915-03	ACZ	06/19/15	12:45	Carbon, total (TC)		ASA No.9 29-2.2.4 Co	Soil		U	%	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	Carbon Forms	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L24915-03	ACZ	06/19/15	12:45	Carbon, total inorganic (TIC)		ASA No. 9 29-2.2.4 (	Soil		U	%	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	Carbon Forms	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L24915-03	ACZ	06/19/15	12:45	Carbon, total organic (TOC)	10355	ASA No.9 29-2.2.4 Co	Soil		U	%	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L24915-03	ACZ	06/23/15	01:00	NAG		Single NAG - EGI 200	Soil	44		Kg H2SO4/t	1	1	44	44	44	44
CPC14-3	Static	NAG	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L24915-03	ACZ	06/23/15	01:00	pH After Oxidation		Single NAG - EGI 200	Soil	2.3		units	0.1	0.1	2.3	2.3	2.3	2.3
CPC14-3	Static	ABA	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L24915-03	ACZ	07/01/15	14:31	Neutralization Potential as CaCO3		M600/2-78-054 3.2.3	Soil	0.9		%	0.1	0.5	0.9	0.9	0.9	0.9
CPC14-3	Static	ABA	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L24915-03	ACZ	07/02/15	08:11	Acid Generation Potential (calc on Sulfur total)		M600/2-78-054 3.2.4	Soil	108.4375		t CaCO3/Kt	0.31	3.1	108.4375	108.4375	108.4375	108.4375
CPC14-3	Static	ABA	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L24915-03	ACZ	07/02/15	08:11	Acid-Base Potential (calc on Sulfur total)		M600/2-78-054 1.3	Soil	-100		t CaCO3/Kt			-100	-100	100	-100
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	06/30/15	12:48	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	06/30/15	23:23	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate	6.51		mg/L	0.03	0.2	6.51	6.51	6.51	6.51
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	06/30/15	23:23	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.101		mg/L	0.003	0.02	0.101	0.101	0.101	0.101
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	06/30/15	23:23	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	06/30/15	23:23	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.04	B	mg/L	0.01	0.05	0.04*	0.04	0.04	0.04
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	06/30/15	23:23	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	189		mg/L	0.1	0.5	189	189	189	189
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	06/30/15	23:23	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	06/30/15	23:23	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate	0.05		mg/L	0.01	0.05	0.05	0.05	0.05	0.05
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	06/30/15	23:23	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.14		mg/L	0.01	0.05	0.14	0.14	0.14	0.14
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	06/30/15	23:23	Gallium, dissolved	7440-55-3	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	06/30/15	23:23	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	30.1		mg/L	0.02	0.05	30.1	30.1	30.1	30.1
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	06/30/15	23:23	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate	0.028	B	mg/L	0.008	0.04	0.028*	0.028	0.028	0.028
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	06/30/15	23:23	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	5.6		mg/L	0.2	1	5.6	5.6	5.6	5.6
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	06/30/15	23:23	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	1.77		mg/L	0.005	0.03	1.77	1.77	1.77	1.77
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	06/30/15	23:23	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	06/30/15	23:23	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate	0.047		mg/L	0.008	0.04	0.047	0.047	0.047	0.047
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	06/30/15	23:23	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	8.5		mg/L	0.2	1	8.5	8.5	8.5	8.5
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	06/30/15	23:23	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	06/30/15	23:23	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	4.4		mg/L	0.2	1	4.4	4.4	4.4	4.4
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	06/30/15	23:23	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	4.27		mg/L	0.005	0.03	4.27	4.27	4.27	4.27
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	06/30/15	23:23	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	06/30/15	23:23	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate	0.005	B	mg/L	0.005	0.03	0.005*	0.005	0.005	0.005
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	06/30/15	23:23	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	06/30/15	23:23	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.08		mg/L	0.01	0.05	0.08	0.08	0.08	0.08
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	07/01/15	15:59	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	07/06/15	20:07	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Leachate		U	mg/L	0.0004	0.002	<0.0004	-0.0004	0.0004	0
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	07/06/15	20:07	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0003	B	mg/L	0.0002	0.001	0.0003*	0.0003	0.0003	0.0003
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	07/06/15	20:07	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0004	B	mg/L	0.0001	0.0005	0.0004*	0.0004	0.0004	0.0004
CPC14-3	Static	NAG Leachate	CPC14-3/3000-3200/Static	CPC14-3/3000-3200/ST	06/11/15	L25074-03	ACZ	07/06/15	20:07	Lead, dissolved	7439-92-											

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3	Static	Sulfur Forms	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L24915-04	ACZ	06/19/15	10:00	Sulfur Sulfate		M600/2-78-054 3.2.4-	Soil	2.05		%	0.01	0.1	2.05	2.05	2.05	2.05
CPC14-3	Static	Sulfur Forms	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L24915-04	ACZ	06/19/15	10:00	Sulfur Total		M600/2-78-054 3.2.4-	Soil	3.52		%	0.01	0.1	3.52	3.52	3.52	3.52
CPC14-3	Static	Sulfur Forms	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L24915-04	ACZ	06/19/15	10:00	Total Sulfur minus Sulfate		M600/2-78-054 3.2.4-	Soil	1.47		%	0.01	0.1	1.47	1.47	1.47	1.47
CPC14-3	Static	Carbon Forms	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L24915-04	ACZ	06/19/15	13:30	Carbon, total (TC)		ASA No.9 29-2.2.4 Co	Soil	0.1	B	%	0.1	0.5	0.1*	0.1	0.1	0.1
CPC14-3	Static	Carbon Forms	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L24915-04	ACZ	06/19/15	13:30	Carbon, total inorganic (TIC)		ASA No. 9 29-2.2.4 (	Soil	0.1	B	%	0.1	0.5	0.1*	0.1	0.1	0.1
CPC14-3	Static	Carbon Forms	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L24915-04	ACZ	06/19/15	13:30	Carbon, total organic (TOC)	10355	ASA No.9 29-2.2.4 Co	Soil		U	%	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L24915-04	ACZ	06/23/15	06:00	NAG		Single NAG - EGI 200	Soil	38		Kg H2SO4/t	1	1	38	38	38	38
CPC14-3	Static	NAG	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L24915-04	ACZ	06/23/15	06:00	pH After Oxidation		Single NAG - EGI 200	Soil	2.4		units	0.1	0.1	2.4	2.4	2.4	2.4
CPC14-3	Static	ABA	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L24915-04	ACZ	07/01/15	14:51	Neutralization Potential as CaCO3		M600/2-78-054 3.2.3	Soil	1.4		%	0.1	0.5	1.4	1.4	1.4	1.4
CPC14-3	Static	ABA	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L24915-04	ACZ	07/02/15	08:11	Acid Generation Potential (calc on Sulfur total)		M600/2-78-054 3.2.4	Soil	110		t CaCO3/Kt	0.31	3.1	110	110	110	110
CPC14-3	Static	ABA	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L24915-04	ACZ	07/02/15	08:11	Acid-Base Potential (calc on Sulfur total)		M600/2-78-054 1.3	Soil	-96		t CaCO3/Kt			-96	-96	96	-96
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	06/30/15	12:50	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	06/30/15	23:26	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate	7.16		mg/L	0.03	0.2	7.16	7.16	7.16	7.16
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	06/30/15	23:26	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.071		mg/L	0.003	0.02	0.071	0.071	0.071	0.071
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	06/30/15	23:26	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	06/30/15	23:26	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.04	B	mg/L	0.01	0.05	0.04*	0.04	0.04	0.04
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	06/30/15	23:26	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	196		mg/L	0.1	0.5	196	196	196	196
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	06/30/15	23:26	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate	0.01	B	mg/L	0.01	0.05	0.01*	0.01	0.01	0.01
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	06/30/15	23:26	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate	0.08		mg/L	0.01	0.05	0.08	0.08	0.08	0.08
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	06/30/15	23:26	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.44		mg/L	0.01	0.05	0.44	0.44	0.44	0.44
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	06/30/15	23:26	Gallium, dissolved	7440-55-3	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	06/30/15	23:26	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	23.5		mg/L	0.02	0.05	23.5	23.5	23.5	23.5
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	06/30/15	23:26	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate	0.027	B	mg/L	0.008	0.04	0.027*	0.027	0.027	0.027
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	06/30/15	23:26	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	12.1		mg/L	0.2	1	12.1	12.1	12.1	12.1
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	06/30/15	23:26	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	4.34		mg/L	0.005	0.03	4.34	4.34	4.34	4.34
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	06/30/15	23:26	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	06/30/15	23:26	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate	0.114		mg/L	0.008	0.04	0.114	0.114	0.114	0.114
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	06/30/15	23:26	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	22.4		mg/L	0.2	1	22.4	22.4	22.4	22.4
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	06/30/15	23:26	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	06/30/15	23:26	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	4.2		mg/L	0.2	1	4.2	4.2	4.2	4.2
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	06/30/15	23:26	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	3.2		mg/L	0.005	0.03	3.2	3.2	3.2	3.2
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	06/30/15	23:26	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	06/30/15	23:26	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate	0.006	B	mg/L	0.005	0.03	0.006*	0.006	0.006	0.006
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	06/30/15	23:26	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	06/30/15	23:26	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	1.11		mg/L	0.01	0.05	1.11	1.11	1.11	1.11
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	07/01/15	16:03	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	07/06/15	20:09	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Leachate		U	mg/L	0.0004	0.002	<0.0004	-0.0004	0.0004	0
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	07/06/15	20:09	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0005	B	mg/L	0.0002	0.001	0.0005*	0.0005	0.0005	0.0005
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	07/06/15	20:09	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0067		mg/L	0.0001	0.0005	0.0067	0.0067	0.0067	0.0067
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	07/06/15	20:09	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Leachate	0.0128		mg/L	0.0001	0.0003	0.0128	0.0128	0.0128	0.0128
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	07/06/15	20:09	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Leachate	0.0025		mg/L	0.0001	0.0005	0.0025	0.0025	0.0025	0.0025
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	07/07/15	23:02	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate	0.0031		mg/L	0.0003	0.001	0.0031	0.0031	0.0031	0.0031
CPC14-3	Static	NAG Leachate	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L25074-04	ACZ	07/07/15	23:02	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	1.27		mg/L	0.0005	0.003	1.27	1.27	1.27	1.27
CPC14-3	Static	Sulfur Forms	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L24915-04	ACZ	06/19/15	10:00	Sulfur HCl Residue		M600/2-78-054 3.2.4-	Soil	1.47		%	0.01	0.1	1.47	1.47	1.47	1.47
CPC14-3	Static	Sulfur Forms	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L24915-04	ACZ	06/19/15	10:00	Sulfur HNO3 Residue		M600/2-78-054 3.2.4-	Soil	0.02	B	%	0.01	0.1	0.02*	0.02	0.02	0.02
CPC14-3	Static	Sulfur Forms	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L24915-04	ACZ	06/19/15	10:00	Sulfur Organic Residual		M600/2-78-054 3.2.4-	Soil	0.02	B	%	0.01	0.1	0.02*	0.02	0.02	0.02
CPC14-3	Static	Sulfur Forms	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L24915-04	ACZ	06/19/15	10:00	Sulfur Pyritic Sulfide		M600/2-78-054 3.2.4-	Soil	1.45		%	0.01	0.1	1.45	1.45	1.45	1.45
CPC14-3	Static	Sulfur Forms	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L24915-04	ACZ	06/19/15	10:00	Sulfur Sulfate		M600/2-78-054 3.2.4-	Soil	2.05		%	0.01	0.1	2.05	2.05	2.05	2.05
CPC14-3	Static	Sulfur Forms	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/ST	06/11/15	L24915-04	ACZ	06/19/15	10:00	Sulfur Total		M600/2-78-054 3.2.4-	Soil	3.52		%	0.01	0.1	3.52	3.52	3.52	3.52
CPC14-3	Static	Sulfur Forms	CPC14-3/3200-3400/Static	CPC14-3/3200-3400/																		

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	02:45	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Leachate	0.0004	B	mg/L	0.0004	0.002	0.0004*	0.0004	0.0004	0.0004
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	02:45	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	02:45	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate	0.00459		mg/L	0.00005	0.0003	0.00459	0.00459	0.00459	0.00459
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	02:45	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.005		mg/L	0.0001	0.0005	0.005	0.005	0.005	0.005
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	02:45	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Leachate	0.0062		mg/L	0.0001	0.0003	0.0062	0.0062	0.0062	0.0062
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	02:45	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Leachate	0.0023		mg/L	0.0001	0.0005	0.0023	0.0023	0.0023	0.0023
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	16:00	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate	11.6		mg/L	0.03	0.2	11.6	11.6	11.6	11.6
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	16:00	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.056		mg/L	0.003	0.02	0.056	0.056	0.056	0.056
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	16:00	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	16:00	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.05		mg/L	0.01	0.05	0.05	0.05	0.05	0.05
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	16:00	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	176		mg/L	0.1	0.5	176	176	176	176
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	16:00	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate	0.03	B	mg/L	0.01	0.05	0.03*	0.03	0.03	0.03
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	16:00	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate	0.09		mg/L	0.01	0.05	0.09	0.09	0.09	0.09
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	16:00	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.23		mg/L	0.01	0.05	0.23	0.23	0.23	0.23
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	16:00	Molybdenum, dissolved	7440-55-3	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	16:00	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	19.7		mg/L	0.02	0.05	19.7	19.7	19.7	19.7
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	16:00	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate	0.033	B	mg/L	0.008	0.04	0.033*	0.033	0.033	0.033
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	16:00	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	37.6		mg/L	0.2	1	37.6	37.6	37.6	37.6
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	16:00	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	12.6		mg/L	0.005	0.03	12.6	12.6	12.6	12.6
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	16:00	Nickel, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	16:00	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate	0.167		mg/L	0.008	0.04	0.167	0.167	0.167	0.167
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	16:00	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	26.7		mg/L	0.2	1	26.7	26.7	26.7	26.7
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	16:00	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	16:00	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	16:00	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	5.4		mg/L	0.2	1	5.4	5.4	5.4	5.4
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	16:00	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	3.69		mg/L	0.005	0.03	3.69	3.69	3.69	3.69
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	16:00	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	16:00	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate	0.014	B	mg/L	0.005	0.03	0.014*	0.014	0.014	0.014
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	16:00	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate	0.009	B	mg/L	0.005	0.03	0.009*	0.009	0.009	0.009
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/20/15	16:00	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	1.12		mg/L	0.01	0.05	1.12	1.12	1.12	1.12
CPC14-3	Static	NAG Leachate	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24881-01	ACZ	06/22/15	16:58	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.881		mg/L	0.0005	0.003	0.881	0.881	0.881	0.881
CPC14-3	Static	ABA	CPC14-3/3400-3600/Static	CPC14-3/3400-3600/ST	05/20/15	L24526-01	ACZ	06/19/15	11:06	Acid Neutralization Potential (calc)		M600/2-78-054 1.3	Soil	45		t CaCO3/Kt	1	5	45	45	45	45
CPC14-3	Static	Sulfur Forms	CPC14-3/3600-3800/Static	CPC14-3/3600-3800/ST	05/20/15	L24526-02	ACZ	06/12/15	10:57	Sulfur HCl Residue		M600/2-78-054 3.2.4-	Soil	3.39		%	0.01	0.1	3.39	3.39	3.39	3.39
CPC14-3	Static	Sulfur Forms	CPC14-3/3600-3800/Static	CPC14-3/3600-3800/ST	05/20/15	L24526-02	ACZ	06/12/15	10:57	Sulfur HNO3 Residue		M600/2-78-054 3.2.4-	Soil		U	%	0.01	0.1	<0.01	-0.01	0.01	0
CPC14-3	Static	Sulfur Forms	CPC14-3/3600-3800/Static	CPC14-3/3600-3800/ST	05/20/15	L24526-02	ACZ	06/12/15	10:57	Sulfur Organic Residual		M600/2-78-054 3.2.4-	Soil		U	%	0.01	0.1	<0.01	-0.01	0.01	0
CPC14-3	Static	Sulfur Forms	CPC14-3/3600-3800/Static	CPC14-3/3600-3800/ST	05/20/15	L24526-02	ACZ	06/12/15	10:57	Sulfur Pyritic Sulfide		M600/2-78-054 3.2.4-	Soil	3.39		%	0.01	0.1	3.39	3.39	3.39	3.39
CPC14-3	Static	Sulfur Forms	CPC14-3/3600-3800/Static	CPC14-3/3600-3800/ST	05/20/15	L24526-02	ACZ	06/12/15	10:57	Sulfur Sulfate		M600/2-78-054 3.2.4-	Soil	1.12		%	0.01	0.1	1.12	1.12	1.12	1.12
CPC14-3	Static	Sulfur Forms	CPC14-3/3600-3800/Static	CPC14-3/3600-3800/ST	05/20/15	L24526-02	ACZ	06/12/15	10:57	Sulfur Total		M600/2-78-054 3.2.4-	Soil	4.51		%	0.01	0.1	4.51	4.51	4.51	4.51
CPC14-3	Static	Sulfur Forms	CPC14-3/3600-3800/Static	CPC14-3/3600-3800/ST	05/20/15	L24526-02	ACZ	06/12/15	10:57	Total Sulfur minus Sulfate		M600/2-78-054 3.2.4-	Soil	3.39		%	0.01	0.1	3.39	3.39	3.39	3.39
CPC14-3	Static	NAG	CPC14-3/3600-3800/Static	CPC14-3/3600-3800/ST	05/20/15	L24526-02	ACZ	06/12/15	21:24	NAG		Single NAG - EGI 200	Soil	44		Kg H2SO4/t	1	1	44	44	44	44
CPC14-3	Static	NAG	CPC14-3/3600-3800/Static	CPC14-3/3600-3800/ST	05/20/15	L24526-02	ACZ	06/12/15	21:24	pH After Oxidation		Single NAG - EGI 200	Soil	2.5		units	0.1	0.1	2.5	2.5	2.5	2.5
CPC14-3	Static	ABA	CPC14-3/3600-3800/Static	CPC14-3/3600-3800/ST	05/20/15	L24526-02	ACZ	06/14/15	12:49	Neutralization Potential as CaCO3		M600/2-78-054 3.2.3	Soil	4.5		%	0.1	0.5	4.5	4.5	4.5	4.5
CPC14-3	Static	Carbon Forms	CPC14-3/3600-3800/Static	CPC14-3/3600-3800/ST	05/20/15	L24526-02	ACZ	06/14/15	18:24	Carbon, total (TC)		ASA No.9 29-2.2.4 Co	Soil	0.5		%	0.1	0.5	0.5	0.5	0.5	0.5
CPC14-3	Static	Carbon Forms	CPC14-3/3600-3800/Static	CPC14-3/3600-3800/ST	05/20/15	L24526-02	ACZ	06/14/15	18:24	Carbon, total inorganic (TIC)		ASA No. 9 29-2.2.4 (	Soil	0.5		%	0.1	0.5	0.5	0.5	0.5	0.5
CPC14-3	Static	Carbon Forms	CPC14-3/3600-3800/Static	CPC14-3/3600-3800/ST	05/20/15	L24526-02	ACZ	06/14/15	18:24	Carbon, total organic (TOC)	10355	ASA No.9 29-2.2.4 Co	Soil		U	%	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	ABA	CPC14-3/3600-3800/Static	CPC14-3/3600-3800/ST	05/20/15	L24526-02	ACZ	06/19/15	11:06	Acid Generation Potential (calc on Sulfur total)		M600/2-78-054 3.2.4	Soil	140.9375		t CaCO3/Kt	0.31	3.1	140.9375	140.9375	140.9375	140.9375
CPC14-3	Static	ABA	CPC14-3/3600-3800/Static	CPC14-3/3600-3800/ST	05/20/15	L24526-02	ACZ	06/19/15	11:06	Acid-Base Potential (calc on Sulfur total)		M600/2-78-054 1.3	Soil	-96		t CaCO3/Kt			-96	-96	96	-96
CPC14-3	Static	NAG Leachate	CPC14-3/3600-3800/Static	CPC14-3/3600-3800/ST	05/20/15	L24881-02	ACZ	06/16/15	16:53	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate			mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Static	NAG Leachate	CPC14-3/3600-3800/Static	CPC14-3/3600-3800/ST	05/20/15	L24881-02	ACZ	06/20/15	02:54	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Leachate	0.0006	B	mg/L	0.0004	0.002	0.0006*	0.0006	0.0006	0.0006
CPC14-3	Static	NAG Leachate																				

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3	Static	NAG Leachate	CPC14-3/3600-3800/Static	CPC14-3/3600-3800/ST	05/20/15	L24881-02	ACZ	06/20/15	16:16	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Static	NAG Leachate	CPC14-3/3600-3800/Static	CPC14-3/3600-3800/ST	05/20/15	L24881-02	ACZ	06/20/15	16:16	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate	0.012	B	mg/L	0.005	0.03	0.012*	0.012	0.012	0.012
CPC14-3	Static	NAG Leachate	CPC14-3/3600-3800/Static	CPC14-3/3600-3800/ST	05/20/15	L24881-02	ACZ	06/20/15	16:16	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate	0.008	B	mg/L	0.005	0.03	0.008*	0.008	0.008	0.008
CPC14-3	Static	NAG Leachate	CPC14-3/3600-3800/Static	CPC14-3/3600-3800/ST	05/20/15	L24881-02	ACZ	06/20/15	16:16	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	1.23		mg/L	0.01	0.05	1.23	1.23	1.23	1.23
CPC14-3	Static	NAG Leachate	CPC14-3/3600-3800/Static	CPC14-3/3600-3800/ST	05/20/15	L24881-02	ACZ	06/22/15	17:04	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate	0.0025		mg/L	0.00005	0.0003	0.0025	0.0025	0.0025	0.0025
CPC14-3	Static	ABA	CPC14-3/3600-3800/Static	CPC14-3/3600-3800/ST	05/20/15	L24526-02	ACZ	06/19/15	11:06	Acid Neutralization Potential (calc)		M600/2-78-054 1.3	Soil	45		t CaCO3/Kt	1	5	45	45	45	45
CPC14-3	Static	Sulfur Forms	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24526-03	ACZ	06/12/15	13:33	Sulfur HCl Residue		M600/2-78-054 3.2.4-	Soil	3.25		%	0.01	0.1	3.25	3.25	3.25	3.25
CPC14-3	Static	Sulfur Forms	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24526-03	ACZ	06/12/15	13:33	Sulfur HNO3 Residue		M600/2-78-054 3.2.4-	Soil	0.02	B	%	0.01	0.1	0.02*	0.02	0.02	0.02
CPC14-3	Static	Sulfur Forms	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24526-03	ACZ	06/12/15	13:33	Sulfur Organic Residual		M600/2-78-054 3.2.4-	Soil	0.02	B	%	0.01	0.1	0.02*	0.02	0.02	0.02
CPC14-3	Static	Sulfur Forms	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24526-03	ACZ	06/12/15	13:33	Sulfur Pyritic Sulfide		M600/2-78-054 3.2.4-	Soil	3.23		%	0.01	0.1	3.23	3.23	3.23	3.23
CPC14-3	Static	Sulfur Forms	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24526-03	ACZ	06/12/15	13:33	Sulfur Sulfate		M600/2-78-054 3.2.4-	Soil	1.26		%	0.01	0.1	1.26	1.26	1.26	1.26
CPC14-3	Static	Sulfur Forms	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24526-03	ACZ	06/12/15	13:33	Sulfur Total		M600/2-78-054 3.2.4-	Soil	4.51		%	0.01	0.1	4.51	4.51	4.51	4.51
CPC14-3	Static	Sulfur Forms	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24526-03	ACZ	06/12/15	13:33	Total Sulfur minus Sulfate		M600/2-78-054 3.2.4-	Soil	3.25		%	0.01	0.1	3.25	3.25	3.25	3.25
CPC14-3	Static	NAG	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24526-03	ACZ	06/13/15	02:36	NAG		Single NAG - EGI 200	Soil	63		Kg H2SO4/t	1	1	63	63	63	63
CPC14-3	Static	NAG	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24526-03	ACZ	06/13/15	02:36	pH After Oxidation		Single NAG - EGI 200	Soil	2.4		units	0.1	0.1	2.4	2.4	2.4	2.4
CPC14-3	Static	ABA	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24526-03	ACZ	06/14/15	17:44	Neutralization Potential as CaCO3		M600/2-78-054 3.2.3	Soil	2.7		%	0.1	0.5	2.7	2.7	2.7	2.7
CPC14-3	Static	Carbon Forms	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24526-03	ACZ	06/15/15	00:03	Carbon, total (TC)		ASA No.9 29-2.2.4 Co	Soil	0.2	B	%	0.1	0.5	0.2*	0.2	0.2	0.2
CPC14-3	Static	Carbon Forms	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24526-03	ACZ	06/15/15	00:03	Carbon, total inorganic (TIC)		ASA No. 9 29-2.2.4 (	Soil	0.2	B	%	0.1	0.5	0.2*	0.2	0.2	0.2
CPC14-3	Static	Carbon Forms	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24526-03	ACZ	06/15/15	00:03	Carbon, total organic (TOC)	10355	ASA No.9 29-2.2.4 Co	Soil		U	%	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	ABA	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24526-03	ACZ	06/19/15	11:06	Acid Generation Potential (calc on Sulfur total)		M600/2-78-054 3.2.4	Soil	140.9375		t CaCO3/Kt	0.31	3.1	140.9375	140.9375	140.9375	140.9375
CPC14-3	Static	ABA	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24526-03	ACZ	06/19/15	11:06	Acid-Base Potential (calc on Sulfur total)		M600/2-78-054 1.3	Soil	-114		t CaCO3/Kt			-114	-114	114	-114
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24881-03	ACZ	06/20/15	02:57	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Leachate	0.0003	B	mg/L	0.0001	0.0005	0.0003*	0.0003	0.0003	0.0003
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24881-03	ACZ	06/20/15	16:19	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate	9.4		mg/L	0.03	0.2	9.4	9.4	9.4	9.4
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24881-03	ACZ	06/20/15	16:19	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.077		mg/L	0.003	0.02	0.077	0.077	0.077	0.077
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24881-03	ACZ	06/20/15	16:19	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24881-03	ACZ	06/20/15	16:19	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.06		mg/L	0.01	0.05	0.06	0.06	0.06	0.06
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24881-03	ACZ	06/20/15	16:19	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	196		mg/L	0.1	0.5	196	196	196	196
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24881-03	ACZ	06/20/15	16:19	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24881-03	ACZ	06/20/15	16:19	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate	0.05		mg/L	0.01	0.05	0.05	0.05	0.05	0.05
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24881-03	ACZ	06/20/15	16:19	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.36		mg/L	0.01	0.05	0.36	0.36	0.36	0.36
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24881-03	ACZ	06/20/15	16:19	Gallium, dissolved	7440-55-3	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24881-03	ACZ	06/20/15	16:19	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	54.4		mg/L	0.02	0.05	54.4	54.4	54.4	54.4
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24881-03	ACZ	06/20/15	16:19	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate	0.009	B	mg/L	0.008	0.04	0.009*	0.009	0.009	0.009
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24881-03	ACZ	06/20/15	16:19	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	15.2		mg/L	0.2	1	15.2	15.2	15.2	15.2
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24881-03	ACZ	06/20/15	16:19	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	1.52		mg/L	0.005	0.03	1.52	1.52	1.52	1.52
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24881-03	ACZ	06/16/15	16:55	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24881-03	ACZ	06/20/15	02:57	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Leachate		U	mg/L	0.0004	0.002	<0.0004	-0.0004	0.0004	0
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24881-03	ACZ	06/20/15	02:57	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0004	B	mg/L	0.0002	0.001	0.0004*	0.0004	0.0004	0.0004
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24881-03	ACZ	06/20/15	02:57	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0005		mg/L	0.0001	0.0005	0.0005	0.0005	0.0005	0.0005
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24881-03	ACZ	06/20/15	02:57	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0841		mg/L	0.0001	0.0005	0.0841	0.0841	0.0841	0.0841
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24881-03	ACZ	06/20/15	02:57	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Leachate	0.0045		mg/L	0.0001	0.0003	0.0045	0.0045	0.0045	0.0045
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24881-03	ACZ	06/20/15	16:19	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24881-03	ACZ	06/20/15	16:19	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate	0.028	B	mg/L	0.008	0.04	0.028*	0.028	0.028	0.028
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24881-03	ACZ	06/20/15	16:19	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	7		mg/L	0.2	1	7	7	7	7
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24881-03	ACZ	06/20/15	16:19	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24881-03	ACZ	06/20/15	16:19	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24881-03	ACZ	06/20/15	16:19	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	5.5		mg/L	0.2	1	5.5	5.5	5.5	5.5
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24881-03	ACZ	06/20/15	16:19	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	4.43		mg/L	0.005	0.03	4.43	4.43	4.43	4.43
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static	CPC14-3/3800-4000/ST	05/20/15	L24881-03	ACZ	06/20/15	16:19	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Static	NAG Leachate	CPC14-3/3800-4000/Static																			

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3	Static	NAG Leachate	CPC14-3/4000-4200/Static	CPC14-3/4000-4200/ST	05/20/15	L24881-04	ACZ	06/20/15	03:00	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Leachate	0.0056		mg/L	0.0001	0.0003	0.0056	0.0056	0.0056	0.0056
CPC14-3	Static	NAG Leachate	CPC14-3/4000-4200/Static	CPC14-3/4000-4200/ST	05/20/15	L24881-04	ACZ	06/20/15	03:00	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Leachate	0.0007		mg/L	0.0001	0.0005	0.0007	0.0007	0.0007	0.0007
CPC14-3	Static	NAG Leachate	CPC14-3/4000-4200/Static	CPC14-3/4000-4200/ST	05/20/15	L24881-04	ACZ	06/20/15	16:22	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate	8.84		mg/L	0.03	0.2	8.84	8.84	8.84	8.84
CPC14-3	Static	NAG Leachate	CPC14-3/4000-4200/Static	CPC14-3/4000-4200/ST	05/20/15	L24881-04	ACZ	06/20/15	16:22	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.102		mg/L	0.003	0.02	0.102	0.102	0.102	0.102
CPC14-3	Static	NAG Leachate	CPC14-3/4000-4200/Static	CPC14-3/4000-4200/ST	05/20/15	L24881-04	ACZ	06/20/15	16:22	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Static	NAG Leachate	CPC14-3/4000-4200/Static	CPC14-3/4000-4200/ST	05/20/15	L24881-04	ACZ	06/20/15	16:22	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.05		mg/L	0.01	0.05	0.05	0.05	0.05	0.05
CPC14-3	Static	NAG Leachate	CPC14-3/4000-4200/Static	CPC14-3/4000-4200/ST	05/20/15	L24881-04	ACZ	06/20/15	16:22	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	196		mg/L	0.1	0.5	196	196	196	196
CPC14-3	Static	NAG Leachate	CPC14-3/4000-4200/Static	CPC14-3/4000-4200/ST	05/20/15	L24881-04	ACZ	06/20/15	16:22	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate	0.02	B	mg/L	0.01	0.05	0.02*	0.02	0.02	0.02
CPC14-3	Static	NAG Leachate	CPC14-3/4000-4200/Static	CPC14-3/4000-4200/ST	05/20/15	L24881-04	ACZ	06/20/15	16:22	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate	0.06		mg/L	0.01	0.05	0.06	0.06	0.06	0.06
CPC14-3	Static	NAG Leachate	CPC14-3/4000-4200/Static	CPC14-3/4000-4200/ST	05/20/15	L24881-04	ACZ	06/20/15	16:22	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.34		mg/L	0.01	0.05	0.34	0.34	0.34	0.34
CPC14-3	Static	NAG Leachate	CPC14-3/4000-4200/Static	CPC14-3/4000-4200/ST	05/20/15	L24881-04	ACZ	06/20/15	16:22	Gallium, dissolved	7440-55-3	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG Leachate	CPC14-3/4000-4200/Static	CPC14-3/4000-4200/ST	05/20/15	L24881-04	ACZ	06/20/15	16:22	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	41.6		mg/L	0.02	0.05	41.6	41.6	41.6	41.6
CPC14-3	Static	NAG Leachate	CPC14-3/4000-4200/Static	CPC14-3/4000-4200/ST	05/20/15	L24881-04	ACZ	06/20/15	16:22	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate	0.017	B	mg/L	0.008	0.04	0.017*	0.017	0.017	0.017
CPC14-3	Static	NAG Leachate	CPC14-3/4000-4200/Static	CPC14-3/4000-4200/ST	05/20/15	L24881-04	ACZ	06/20/15	16:22	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	12.4		mg/L	0.2	1	12.4	12.4	12.4	12.4
CPC14-3	Static	NAG Leachate	CPC14-3/4000-4200/Static	CPC14-3/4000-4200/ST	05/20/15	L24881-04	ACZ	06/20/15	16:22	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	1.11		mg/L	0.005	0.03	1.11	1.11	1.11	1.11
CPC14-3	Static	NAG Leachate	CPC14-3/4000-4200/Static	CPC14-3/4000-4200/ST	05/20/15	L24881-04	ACZ	06/20/15	16:22	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Static	NAG Leachate	CPC14-3/4000-4200/Static	CPC14-3/4000-4200/ST	05/20/15	L24881-04	ACZ	06/20/15	16:22	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate	0.1		mg/L	0.008	0.04	0.1	0.1	0.1	0.1
CPC14-3	Static	NAG Leachate	CPC14-3/4000-4200/Static	CPC14-3/4000-4200/ST	05/20/15	L24881-04	ACZ	06/20/15	16:22	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	11.7		mg/L	0.2	1	11.7	11.7	11.7	11.7
CPC14-3	Static	NAG Leachate	CPC14-3/4000-4200/Static	CPC14-3/4000-4200/ST	05/20/15	L24881-04	ACZ	06/20/15	16:22	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG Leachate	CPC14-3/4000-4200/Static	CPC14-3/4000-4200/ST	05/20/15	L24881-04	ACZ	06/20/15	16:22	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3	Static	NAG Leachate	CPC14-3/4000-4200/Static	CPC14-3/4000-4200/ST	05/20/15	L24881-04	ACZ	06/20/15	16:22	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	4.3		mg/L	0.2	1	4.3	4.3	4.3	4.3
CPC14-3	Static	NAG Leachate	CPC14-3/4000-4200/Static	CPC14-3/4000-4200/ST	05/20/15	L24881-04	ACZ	06/20/15	16:22	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	3.37		mg/L	0.005	0.03	3.37	3.37	3.37	3.37
CPC14-3	Static	NAG Leachate	CPC14-3/4000-4200/Static	CPC14-3/4000-4200/ST	05/20/15	L24881-04	ACZ	06/20/15	16:22	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Static	NAG Leachate	CPC14-3/4000-4200/Static	CPC14-3/4000-4200/ST	05/20/15	L24881-04	ACZ	06/20/15	16:22	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate	0.023	B	mg/L	0.005	0.03	0.023*	0.023	0.023	0.023
CPC14-3	Static	NAG Leachate	CPC14-3/4000-4200/Static	CPC14-3/4000-4200/ST	05/20/15	L24881-04	ACZ	06/20/15	16:22	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate	0.007	B	mg/L	0.005	0.03	0.007*	0.007	0.007	0.007
CPC14-3	Static	NAG Leachate	CPC14-3/4000-4200/Static	CPC14-3/4000-4200/ST	05/20/15	L24881-04	ACZ	06/20/15	16:22	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.08		mg/L	0.01	0.05	0.08	0.08	0.08	0.08
CPC14-3	Static	NAG Leachate	CPC14-3/4000-4200/Static	CPC14-3/4000-4200/ST	05/20/15	L24881-04	ACZ	06/22/15	17:08	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate	0.0027		mg/L	0.00005	0.0003	0.0027	0.0027	0.0027	0.0027
CPC14-3	Static	ABA	CPC14-3/4000-4200/Static	CPC14-3/4000-4200/ST	05/20/15	L24526-04	ACZ	06/19/15	11:06	Acid Neutralization Potential (calc)		M600/2-78-054 1.3	Soil	24		t CaCO3/Kt	1	5	24	24	24	24
CPC14-3	Static	Sulfur Forms	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	06/19/15	12:30	Sulfur HCl Residue		M600/2-78-054 3.2.4-	Soil	2.68		%	0.01	0.1	2.68	2.68	2.68	2.68
CPC14-3	Static	Sulfur Forms	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	06/19/15	12:30	Sulfur HNO3 Residue		M600/2-78-054 3.2.4-	Soil	0.03	B	%	0.01	0.1	0.03*	0.03	0.03	0.03
CPC14-3	Static	Sulfur Forms	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	06/19/15	12:30	Sulfur Organic Residual		M600/2-78-054 3.2.4-	Soil	0.03	B	%	0.01	0.1	0.03*	0.03	0.03	0.03
CPC14-3	Static	Sulfur Forms	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	06/19/15	12:30	Sulfur Pyritic Sulfide		M600/2-78-054 3.2.4-	Soil	2.65		%	0.01	0.1	2.65	2.65	2.65	2.65
CPC14-3	Static	Sulfur Forms	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	06/19/15	12:30	Sulfur Sulfate		M600/2-78-054 3.2.4-	Soil	0.69		%	0.01	0.1	0.69	0.69	0.69	0.69
CPC14-3	Static	Sulfur Forms	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	06/19/15	12:30	Sulfur Total		M600/2-78-054 3.2.4-	Soil	3.37		%	0.01	0.1	3.37	3.37	3.37	3.37
CPC14-3	Static	Sulfur Forms	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	06/19/15	12:30	Total Sulfur minus Sulfate		M600/2-78-054 3.2.4-	Soil	2.68		%	0.01	0.1	2.68	2.68	2.68	2.68
CPC14-3	Static	Carbon Forms	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	06/19/15	14:15	Carbon, total (TC)		ASA No.9 29-2.2.4 Co	Soil	0.1	B	%	0.1	0.5	0.1*	0.1	0.1	0.1
CPC14-3	Static	Carbon Forms	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	06/19/15	14:15	Carbon, total inorganic (TIC)		ASA No. 9 29-2.2.4 (	Soil	0.1	B	%	0.1	0.5	0.1*	0.1	0.1	0.1
CPC14-3	Static	Carbon Forms	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	06/19/15	14:15	Carbon, total organic (TOC)	10355	ASA No.9 29-2.2.4 Co	Soil		U	%	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	06/23/15	11:00	NAG		Single NAG - EGI 200	Soil	54		Kg H2SO4/t	1	1	54	54	54	54
CPC14-3	Static	NAG	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	06/23/15	11:00	pH After Oxidation		Single NAG - EGI 200	Soil	2.2		units	0.1	0.1	2.2	2.2	2.2	2.2
CPC14-3	Static	ABA	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	07/01/15	15:10	Neutralization Potential as CaCO3		M600/2-78-054 3.2.3	Soil	1.6		%	0.1	0.5	1.6	1.6	1.6	1.6
CPC14-3	Static	ABA	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	07/02/15	08:11	Acid Generation Potential (calc on Sulfur total)		M600/2-78-054 3.2.4	Soil	105.3125		t CaCO3/Kt	0.31	3.1	105.3125	105.3125	105.3125	105.3125
CPC14-3	Static	ABA	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	07/02/15	08:11	Acid-Base Potential (calc on Sulfur total)		M600/2-78-054 1.3	Soil	-90		t CaCO3/Kt	-90	-90	-90	-90	-90	-90
CPC14-3	Static	NAG Leachate	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L25074-05	ACZ	06/30/15	12:52	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Static	NAG Leachate	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L25074-05	ACZ	06/30/15	23:29	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate	5.77		mg/L	0.03	0.2	5.77	5.77	5.77	5.77
CPC14-3	Static	NAG Leachate	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L25074-05	ACZ	06/30/15	23:29	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.105		mg/L	0.003	0.02	0.105	0.105	0.105	0.105
CPC14-3	Static	NAG Leachate	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L25074-05	ACZ	06/30/15	23:29	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Static	NAG Leachate	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L25074-05	ACZ	06/30/15	23:29	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.05		mg/L	0.01	0.05	0.05	0.05	0.05	0.05
CPC14-3	Static	NAG Leachate	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L25074-05	ACZ	06/30/15	23:29	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	85.8		mg/L	0.1	0.5	85.8	85.8	85.8	85.8
CPC14-3	Static	NAG Leachate	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15																	

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3	Static	NAG Leachate	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L25074-05	ACZ	07/07/15	23:04	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate	0.00176		mg/L	0.00005	0.0003	0.00176	0.00176	0.00176	0.00176
CPC14-3	Static	ABA	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	07/02/15	08:11	Acid Neutralization Potential (calc)		M600/2-78-054 1.3	Soil	16		t CaCO3/Kt	1	5	16	16	16	16
CPC14-3	Static	ABA	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	07/02/15	08:11	Acid Neutralization Potential (calc)		M600/2-78-054 1.3	Soil	16		t CaCO3/Kt	1	5	16	16	16	16
CPC14-3	Static	Sulfur Forms	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	06/19/15	12:30	Sulfur HCl Residue		M600/2-78-054 3.2.4-	Soil	2.68		%	0.01	0.1	2.68	2.68	2.68	2.68
CPC14-3	Static	Sulfur Forms	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	06/19/15	12:30	Sulfur HNO3 Residue		M600/2-78-054 3.2.4-	Soil	0.03	B	%	0.01	0.1	0.03*	0.03	0.03	0.03
CPC14-3	Static	Sulfur Forms	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	06/19/15	12:30	Sulfur Organic Residual		M600/2-78-054 3.2.4-	Soil	0.03	B	%	0.01	0.1	0.03*	0.03	0.03	0.03
CPC14-3	Static	Sulfur Forms	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	06/19/15	12:30	Sulfur Pyritic Sulfide		M600/2-78-054 3.2.4-	Soil	2.65		%	0.01	0.1	2.65	2.65	2.65	2.65
CPC14-3	Static	Sulfur Forms	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	06/19/15	12:30	Sulfur Sulfate		M600/2-78-054 3.2.4-	Soil	0.69		%	0.01	0.1	0.69	0.69	0.69	0.69
CPC14-3	Static	Sulfur Forms	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	06/19/15	12:30	Sulfur Total		M600/2-78-054 3.2.4-	Soil	3.37		%	0.01	0.1	3.37	3.37	3.37	3.37
CPC14-3	Static	Sulfur Forms	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	06/19/15	12:30	Total Sulfur minus Sulfate		M600/2-78-054 3.2.4-	Soil	2.68		%	0.01	0.1	2.68	2.68	2.68	2.68
CPC14-3	Static	Carbon Forms	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	06/19/15	14:15	Carbon, total (TC)		ASA No.9 29-2.2.4 Co	Soil	0.1	B	%	0.1	0.5	0.1*	0.1	0.1	0.1
CPC14-3	Static	Carbon Forms	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	06/19/15	14:15	Carbon, total inorganic (TIC)		ASA No. 9 29-2.2.4 (	Soil	0.1	B	%	0.1	0.5	0.1*	0.1	0.1	0.1
CPC14-3	Static	Carbon Forms	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	06/19/15	14:15	Carbon, total organic (TOC)	10355	ASA No.9 29-2.2.4 Co	Soil		U	%	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	06/23/15	11:00	NAG		Single NAG - EGI 200	Soil	54		Kg H2SO4/t	1	1	54	54	54	54
CPC14-3	Static	NAG	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	06/23/15	11:00	pH After Oxidation		Single NAG - EGI 200	Soil	2.2		units	0.1	0.1	2.2	2.2	2.2	2.2
CPC14-3	Static	ABA	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	07/01/15	15:10	Neutralization Potential as CaCO3		M600/2-78-054 3.2.3	Soil	1.6		%	0.1	0.5	1.6	1.6	1.6	1.6
CPC14-3	Static	ABA	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	07/02/15	08:11	Acid Generation Potential (calc on Sulfur total)		M600/2-78-054 3.2.4	Soil	105.3125		t CaCO3/Kt	0.31	3.1	105.3125	105.3125	105.3125	105.3125
CPC14-3	Static	ABA	CPC14-3/4200-4400/Static	CPC14-3/4200-4400/ST	06/11/15	L24915-05	ACZ	07/02/15	08:11	Acid-Base Potential (calc on Sulfur total)		M600/2-78-054 1.3	Soil	-90		t CaCO3/Kt			-90	-90	90	-90
CPC14-3	Static	NAG	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24021-01	ACZ	05/05/15	09:00	NAG		Single NAG - EGI 200	Soil	5		Kg H2SO4/t	1	1	5	5	5	5
CPC14-3	Static	NAG	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24021-01	ACZ	05/05/15	09:00	pH After Oxidation		Single NAG - EGI 200	Soil	5.9		units	0.1	0.1	5.9	5.9	5.9	5.9
CPC14-3	Static	Sulfur Forms	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24021-01	ACZ	05/07/15	09:00	Sulfur HCl Residue		M600/2-78-054 3.2.4-	Soil	0.18		%	0.01	0.1	0.18	0.18	0.18	0.18
CPC14-3	Static	Sulfur Forms	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24021-01	ACZ	05/07/15	09:00	Sulfur HNO3 Residue		M600/2-78-054 3.2.4-	Soil	0.07	B	%	0.01	0.1	0.07*	0.07	0.07	0.07
CPC14-3	Static	Sulfur Forms	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24021-01	ACZ	05/07/15	09:00	Sulfur Organic Residual		M600/2-78-054 3.2.4-	Soil	0.07	B	%	0.01	0.1	0.07*	0.07	0.07	0.07
CPC14-3	Static	Sulfur Forms	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24021-01	ACZ	05/07/15	09:00	Sulfur Pyritic Sulfide		M600/2-78-054 3.2.4-	Soil	0.11		%	0.01	0.1	0.11	0.11	0.11	0.11
CPC14-3	Static	Sulfur Forms	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24021-01	ACZ	05/07/15	09:00	Sulfur Sulfate		M600/2-78-054 3.2.4-	Soil	0.13		%	0.01	0.1	0.13	0.13	0.13	0.13
CPC14-3	Static	Sulfur Forms	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24021-01	ACZ	05/07/15	09:00	Sulfur Total		M600/2-78-054 3.2.4-	Soil	0.31		%	0.01	0.1	0.31	0.31	0.31	0.31
CPC14-3	Static	Sulfur Forms	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24021-01	ACZ	05/07/15	09:00	Total Sulfur minus Sulfate		M600/2-78-054 3.2.4-	Soil	0.18		%	0.01	0.1	0.18	0.18	0.18	0.18
CPC14-3	Static	ABA	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24021-01	ACZ	05/07/15	13:30	Neutralization Potential as CaCO3		M600/2-78-054 3.2.3	Soil	0.2	B	%	0.1	0.5	0.2*	0.2	0.2	0.2
CPC14-3	Static	Carbon Forms	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24021-01	ACZ	05/11/15	17:38	Carbon, total (TC)		ASA No.9 29-2.2.4 Co	Soil		U	%	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	Carbon Forms	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24021-01	ACZ	05/11/15	17:38	Carbon, total inorganic (TIC)		ASA No. 9 29-2.2.4 (	Soil		U	%	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	Carbon Forms	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24021-01	ACZ	05/11/15	17:38	Carbon, total organic (TOC)	10355	ASA No.9 29-2.2.4 Co	Soil		U	%	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	ABA	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24021-01	ACZ	05/26/15	11:59	Acid Generation Potential (calc on Sulfur total)		M600/2-78-054 3.2.4	Soil	9.6875		t CaCO3/Kt	0.31	3.1	9.6875	9.6875	9.6875	9.6875
CPC14-3	Static	ABA	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24021-01	ACZ	05/26/15	11:59	Acid-Base Potential (calc on Sulfur total)		M600/2-78-054 1.3	Soil	-8		t CaCO3/Kt			-8	-8	8	-8
CPC14-3	Static	NAG Leachate	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24195-01	ACZ	05/08/15	15:03	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Static	NAG Leachate	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24195-01	ACZ	05/12/15	17:24	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate		U	mg/L	0.03	0.2	<0.03	-0.03	0.03	0
CPC14-3	Static	NAG Leachate	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24195-01	ACZ	05/12/15	17:24	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.611		mg/L	0.003	0.02	0.611	0.611	0.611	0.611
CPC14-3	Static	NAG Leachate	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24195-01	ACZ	05/12/15	17:24	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Static	NAG Leachate	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24195-01	ACZ	05/12/15	17:24	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.07		mg/L	0.01	0.05	0.07	0.07	0.07	0.07
CPC14-3	Static	NAG Leachate	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24195-01	ACZ	05/12/15	17:24	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	1.1		mg/L	0.1	0.5	1.1	1.1	1.1	1.1
CPC14-3	Static	NAG Leachate	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24195-01	ACZ	05/12/15	17:24	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Static	NAG Leachate	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24195-01	ACZ	05/12/15	17:24	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Static	NAG Leachate	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24195-01	ACZ	05/12/15	17:24	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Static	NAG Leachate	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24195-01	ACZ	05/12/15	17:24	Zinc, dissolved	7440-55-3	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG Leachate	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24195-01	ACZ	05/12/15	17:24	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Static	NAG Leachate	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24195-01	ACZ	05/12/15	17:24	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate		U	mg/L	0.008	0.04	<0.008	-0.008	0.008	0
CPC14-3	Static	NAG Leachate	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24195-01	ACZ	05/12/15	17:24	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	0.5	B	mg/L	0.2	1	0.5*	0.5	0.5	0.5
CPC14-3	Static	NAG Leachate	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24195-01	ACZ	05/12/15	17:24	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	0.037		mg/L	0.005	0.03	0.037	0.037	0.037	0.037
CPC14-3	Static	NAG Leachate	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24195-01	ACZ	05/12/15	17:24	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate	0.03	B	mg/L	0.02	0.1	0.03*	0.03	0.03	0.03
CPC14-3	Static	NAG Leachate	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24195-01	ACZ	05/12/15	17:24	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate		U	mg/L	0.008	0.04	<0.008	-0.008	0.008	0
CPC14-3	Static	NAG Leachate	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24195-01	ACZ	05/12/15	17:24	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	10.4		mg/L	0.2	1	10.4	10.4	10.4	10.4
CPC14-3	Static	NAG Leachate	CPC14-3/440-600/Static	CPC14-3/440-600/STAT	04/02/15	L24195-01	ACZ	05/12/15	17:24	Scand												

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDP)	Value (NDZ)
CPC14-3	Static	Sulfur Forms	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24021-02	ACZ	05/07/15	09:00	Total Sulfur minus Sulfate		M600/2-78-054 3.2.4-	Soil	0.38		%	0.01	0.1	0.38	0.38	0.38	0.38
CPC14-3	Static	ABA	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24021-02	ACZ	05/07/15	14:15	Neutralization Potential as CaCO3		M600/2-78-054 3.2.3	Soil	0.1	B	%	0.1	0.5	0.1*	0.1	0.1	0.1
CPC14-3	Static	Carbon Forms	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24021-02	ACZ	05/11/15	22:46	Carbon, total (TC)		ASA No.9 29-2.2.4 Co	Soil		U	%	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	Carbon Forms	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24021-02	ACZ	05/11/15	22:46	Carbon, total inorganic (TIC)		ASA No. 9 29-2.2.4 (	Soil		U	%	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	Carbon Forms	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24021-02	ACZ	05/11/15	22:46	Carbon, total organic (TOC)	10355	ASA No.9 29-2.2.4 Co	Soil		U	%	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	ABA	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24021-02	ACZ	05/26/15	11:59	Acid Generation Potential (calc on Sulfur total)		M600/2-78-054 3.2.4	Soil	17.1875		t CaCO3/Kt	0.31	3.1	17.1875	17.1875	17.1875	17.1875
CPC14-3	Static	ABA	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24021-02	ACZ	05/26/15	11:59	Acid-Base Potential (calc on Sulfur total)		M600/2-78-054 1.3	Soil	-17		t CaCO3/Kt			-17	-17	17	-17
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/08/15	15:13	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/12/15	17:34	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate	1.2		mg/L	0.2	0.8	1.2	1.2	1.2	1.2
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/12/15	17:34	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.15		mg/L	0.02	0.08	0.15	0.15	0.15	0.15
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/12/15	17:34	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.2	1	<0.2	-0.2	0.2	0
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/12/15	17:34	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.14	B	mg/L	0.05	0.3	0.14*	0.14	0.14	0.14
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/12/15	17:34	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	1.8	B	mg/L	0.5	3	1.8*	1.8	1.8	1.8
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/12/15	17:34	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate		U	mg/L	0.05	0.3	<0.05	-0.05	0.05	0
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/12/15	17:34	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate		U	mg/L	0.05	0.3	<0.05	-0.05	0.05	0
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/12/15	17:34	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.05	0.3	<0.05	-0.05	0.05	0
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/12/15	17:34	Gallium, dissolved	7440-55-3	M200.7 ICP	Leachate		U	mg/L	0.5	3	<0.5	-0.5	0.5	0
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/12/15	17:34	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.1	0.3	<0.1	-0.1	0.1	0
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/12/15	17:34	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/12/15	17:34	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	2	B	mg/L	1	5	2*	2	2	2
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/12/15	17:34	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	0.05	B	mg/L	0.03	0.1	0.05*	0.05	0.05	0.05
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/12/15	17:34	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate	0.1	B	mg/L	0.1	0.5	0.1*	0.1	0.1	0.1
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/12/15	17:34	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/12/15	17:34	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	13		mg/L	1	5	13	13	13	13
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/12/15	17:34	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.5	3	<0.5	-0.5	0.5	0
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/12/15	17:34	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate		U	mg/L	0.05	0.1	<0.05	-0.05	0.05	0
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/12/15	17:34	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	2	B	mg/L	1	5	2*	2	2	2
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/12/15	17:34	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	10.6		mg/L	0.03	0.1	10.6	10.6	10.6	10.6
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/12/15	17:34	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate		U	mg/L	0.03	0.1	<0.03	-0.03	0.03	0
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/12/15	17:34	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate		U	mg/L	0.03	0.1	<0.03	-0.03	0.03	0
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/12/15	17:34	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.07	B	mg/L	0.05	0.3	0.07*	0.07	0.07	0.07
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/13/15	21:43	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.2	1	<0.2	-0.2	0.2	0
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/16/15	00:54	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Leachate		U	mg/L	0.0004	0.002	<0.0004	-0.0004	0.0004	0
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/16/15	00:54	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0002	B	mg/L	0.0002	0.001	0.0002*	0.0002	0.0002	0.0002
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/16/15	00:54	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate	0.00086		mg/L	0.00005	0.0003	0.00086	0.00086	0.00086	0.00086
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/16/15	00:54	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0007		mg/L	0.0001	0.0005	0.0007	0.0007	0.0007	0.0007
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/16/15	00:54	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0011		mg/L	0.0001	0.0005	0.0011	0.0011	0.0011	0.0011
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/16/15	00:54	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Leachate	0.0021		mg/L	0.0001	0.0003	0.0021	0.0021	0.0021	0.0021
CPC14-3	Static	NAG Leachate	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24195-02	ACZ	05/16/15	00:54	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Leachate	0.0007		mg/L	0.0001	0.0005	0.0007	0.0007	0.0007	0.0007
CPC14-3	Static	ABA	CPC14-3/600-800/Static	CPC14-3/600-800/STAT	04/02/15	L24021-02	ACZ	05/26/15	11:59	Acid Neutralization Potential (calc)		M600/2-78-054 1.3	Soil	1		t CaCO3/Kt	1	5	1	1	1	1
CPC14-3	Static	NAG	CPC14-3/800-1000/Static	CPC14-3/800-1000/STA	04/02/15	L24021-03	ACZ	05/06/15	07:42	NAG		Single NAG - EGI 200	Soil	16		Kg H2SO4/t	1	1	16	16	16	16
CPC14-3	Static	NAG	CPC14-3/800-1000/Static	CPC14-3/800-1000/STA	04/02/15	L24021-03	ACZ	05/06/15	07:42	pH After Oxidation		Single NAG - EGI 200	Soil	2.9		units	0.1	0.1	2.9	2.9	2.9	2.9
CPC14-3	Static	Sulfur Forms	CPC14-3/800-1000/Static	CPC14-3/800-1000/STA	04/02/15	L24021-03	ACZ	05/07/15	09:00	Sulfur HCl Residue		M600/2-78-054 3.2.4-	Soil	0.87		%	0.01	0.1	0.87	0.87	0.87	0.87
CPC14-3	Static	Sulfur Forms	CPC14-3/800-1000/Static	CPC14-3/800-1000/STA	04/02/15	L24021-03	ACZ	05/07/15	09:00	Sulfur HNO3 Residue		M600/2-78-054 3.2.4-	Soil	0.23		%	0.01	0.1	0.23	0.23	0.23	0.23
CPC14-3	Static	Sulfur Forms	CPC14-3/800-1000/Static	CPC14-3/800-1000/STA	04/02/15	L24021-03	ACZ	05/07/15	09:00	Sulfur Organic Residual		M600/2-78-054 3.2.4-	Soil	0.23		%	0.01	0.1	0.23	0.23	0.23	0.23
CPC14-3	Static	Sulfur Forms	CPC14-3/800-1000/Static	CPC14-3/800-1000/STA	04/02/15	L24021-03	ACZ	05/07/15	09:00	Sulfur Pyritic Sulfide		M600/2-78-054 3.2.4-	Soil	0.64		%	0.01	0.1	0.64	0.64	0.64	0.64
CPC14-3	Static	Sulfur Forms	CPC14-3/800-1000/Static	CPC14-3/800-1000/STA	04/02/15	L24021-03	ACZ	05/07/15	09:00	Sulfur Sulfate		M600/2-78-054 3.2.4-	Soil	0.18		%	0.01	0.1	0.18	0.18	0.18	0.18
CPC14-3	Static	Sulfur Forms	CPC14-3/800-1000/Static	CPC14-3/800-1000/STA	04/02/15	L24021-03	ACZ	05/07/15	09:00	Sulfur Total		M600/2-78-054 3.2.4-	Soil	1.05		%	0.01	0.1	1.05	1.05	1.05	1.05
CPC14-3	Static	Sulfur Forms	CPC14-3/800-1000/Static	CPC14-3/800-1000/STA	04/02/15	L24021-03	ACZ	05/07/15	09:00	Total Sulfur minus Sulfate		M600/2-78-054 3.2.4-	Soil	0.87		%	0.01	0.1	0.87	0.87	0.87	0.87
CPC14-3	Static	ABA	CPC14-3/800-1000/Static	CPC14-3/800-1000/STA	04/02/15	L24021-03	ACZ	05/07/15	15:00	Neutralization Potential as CaCO3		M600/2-78-054 3.2.3	Soil		U	%	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Static	Carbon Forms	CPC14-3/800-1000/Static	CPC14-3/800-1000/STA	04/02/15	L24021-03	ACZ	05/12/15	01:20	Carbon,												

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3	Static	NAG Leachate	CPC14-3/800-1000/Static	CPC14-3/800-1000/STA	04/02/15	L24195-03	ACZ	05/12/15	17:37	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	1.5		mg/L	0.2	1	1.5	1.5	1.5	1.5
CPC14-3	Static	NAG Leachate	CPC14-3/800-1000/Static	CPC14-3/800-1000/STA	04/02/15	L24195-03	ACZ	05/12/15	17:37	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Static	NAG Leachate	CPC14-3/800-1000/Static	CPC14-3/800-1000/STA	04/02/15	L24195-03	ACZ	05/12/15	17:37	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Static	NAG Leachate	CPC14-3/800-1000/Static	CPC14-3/800-1000/STA	04/02/15	L24195-03	ACZ	05/12/15	17:37	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.11		mg/L	0.01	0.05	0.11	0.11	0.11	0.11
CPC14-3	Static	NAG Leachate	CPC14-3/800-1000/Static	CPC14-3/800-1000/STA	04/02/15	L24195-03	ACZ	05/13/15	21:46	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	23.8		mg/L	0.01	0.05	23.8	23.8	23.8	23.8
CPC14-3	Static	NAG Leachate	CPC14-3/800-1000/Static	CPC14-3/800-1000/STA	04/02/15	L24195-03	ACZ	05/13/15	21:46	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.08	0.4	<0.08	-0.08	0.08	0
CPC14-3	Static	NAG Leachate	CPC14-3/800-1000/Static	CPC14-3/800-1000/STA	04/02/15	L24195-03	ACZ	05/16/15	00:58	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Leachate		U	mg/L	0.0004	0.002	<0.0004	-0.0004	0.0004	0
CPC14-3	Static	NAG Leachate	CPC14-3/800-1000/Static	CPC14-3/800-1000/STA	04/02/15	L24195-03	ACZ	05/16/15	00:58	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0005	B	mg/L	0.0002	0.001	0.0005*	0.0005	0.0005	0.0005
CPC14-3	Static	NAG Leachate	CPC14-3/800-1000/Static	CPC14-3/800-1000/STA	04/02/15	L24195-03	ACZ	05/16/15	00:58	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate	0.00113		mg/L	0.00005	0.0003	0.00113	0.00113	0.00113	0.00113
CPC14-3	Static	NAG Leachate	CPC14-3/800-1000/Static	CPC14-3/800-1000/STA	04/02/15	L24195-03	ACZ	05/16/15	00:58	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0012		mg/L	0.0001	0.0005	0.0012	0.0012	0.0012	0.0012
CPC14-3	Static	NAG Leachate	CPC14-3/800-1000/Static	CPC14-3/800-1000/STA	04/02/15	L24195-03	ACZ	05/16/15	00:58	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0022		mg/L	0.0001	0.0005	0.0022	0.0022	0.0022	0.0022
CPC14-3	Static	NAG Leachate	CPC14-3/800-1000/Static	CPC14-3/800-1000/STA	04/02/15	L24195-03	ACZ	05/16/15	00:58	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Leachate	0.0072		mg/L	0.0001	0.0003	0.0072	0.0072	0.0072	0.0072
CPC14-3	Static	NAG Leachate	CPC14-3/800-1000/Static	CPC14-3/800-1000/STA	04/02/15	L24195-03	ACZ	05/16/15	00:58	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Leachate	0.0011		mg/L	0.0001	0.0005	0.0011	0.0011	0.0011	0.0011
CPC14-3	Static	ABA	CPC14-3/800-1000/Static	CPC14-3/800-1000/STA	04/02/15	L24021-03	ACZ	05/26/15	11:59	Acid Neutralization Potential (calc)		M600/2-78-054 1.3	Soil	0		t CaCO3/Kt	1	5	0	0	0	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24141-01	ACZ	05/11/15	09:00	Sample Weight		D5744-12	Soil						0	0	0	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/12/15	L24141-02	ACZ	05/11/15	12:00	Interstitial Weight		D5744-12	Leachate	164		g			164	164	164	164
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/12/15	L24141-02	ACZ	05/11/15	12:00	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/12/15	L24141-02	ACZ	05/11/15	12:00	Leachate Volume Recovered		D5744-12	Leachate	827		g			827	827	827	827
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/12/15	L24141-02	ACZ	05/11/15	13:30	Conductivity--Humidity Cell Test		SM2510B	Leachate	415		umhos/cm	1	10	415	415	415	415
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/12/15	L24141-02	ACZ	05/11/15	15:20	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	283		mv	1	1	283	283	283	283
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/12/15	L24141-02	ACZ	05/11/15	15:25	pH		M9045D/M9040C	Leachate	5.1		units	0.1	0.1	5.1	5.1	5.1	5.1
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/12/15	L24141-02	ACZ	05/11/15	15:25	pH measured at		M9045D/M9040C	Leachate	20		C	0.1	0.1	20	20	20	20
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/12/15	L24141-02	ACZ	05/13/15	11:49	Acidity as CaCO3		SM2310B - Titration	Leachate	28		mg/L	10	20	28	28	28	28
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/12/15	L24141-02	ACZ	05/13/15	14:21	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	48.3		mg/L	5	25	48.3	48.3	48.3	48.3
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/12/15	L24141-02	ACZ	05/14/15	12:07	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/12/15	L24141-02	ACZ	05/14/15	14:12	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate	0.41		mg/L	0.03	0.2	0.41	0.41	0.41	0.41
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/12/15	L24141-02	ACZ	05/14/15	14:12	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.076		mg/L	0.003	0.02	0.076	0.076	0.076	0.076
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/12/15	L24141-02	ACZ	05/14/15	14:12	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/12/15	L24141-02	ACZ	05/14/15	14:12	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.02	B	mg/L	0.01	0.05	0.02*	0.02	0.02	0.02
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/12/15	L24141-02	ACZ	05/14/15	14:12	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	7		mg/L	0.1	0.5	7	7	7	7
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/12/15	L24141-02	ACZ	05/14/15	14:12	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/12/15	L24141-02	ACZ	05/14/15	14:12	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate	0.07		mg/L	0.01	0.05	0.07	0.07	0.07	0.07
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/12/15	L24141-02	ACZ	05/14/15	14:12	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.46		mg/L	0.01	0.05	0.46	0.46	0.46	0.46
CPC14-3	Kinetic	Grain Size	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24141-01	ACZ	05/11/15	09:00	Grain Size		D5744-12	Soil						0	0	0	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/12/15	L24141-02	ACZ	05/14/15	14:12	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	0.07		mg/L	0.02	0.05	0.07	0.07	0.07	0.07
CPC14-3	Kinetic	Grain Size	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24141-01	ACZ	06/08/15	12:00	Sieve- 63 um (230 mesh)		ASA No.9, 15-4.2.2	Soil	6.4		% Passing	0.1	0.5	6.4	6.4	6.4	6.4
CPC14-3	Kinetic	Grain Size	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24141-01	ACZ	06/08/15	12:00	Sieve- 125 um (120 mesh)		ASA No.9, 15-4.2.2	Soil	13.6		% Passing	0.1	0.5	13.6	13.6	13.6	13.6
CPC14-3	Kinetic	Grain Size	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24141-01	ACZ	06/08/15	12:00	Sieve- 250 um (60 mesh)		ASA No.9, 15-4.2.2	Soil	20.2		% Passing	0.1	0.5	20.2	20.2	20.2	20.2
CPC14-3	Kinetic	Grain Size	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24141-01	ACZ	06/08/15	12:00	Sieve- 500 um (35 mesh)		ASA No.9, 15-4.2.2	Soil	29.9		% Passing	0.1	0.5	29.9	29.9	29.9	29.9
CPC14-3	Kinetic	Grain Size	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24141-01	ACZ	06/08/15	12:00	Sieve- 850 um (20 mesh)		ASA No.9, 15-4.2.2	Soil	39.3		% Passing	0.1	0.5	39.3	39.3	39.3	39.3
CPC14-3	Kinetic	Grain Size	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24141-01	ACZ	06/08/15	12:00	Sieve- 2000 um (2.0 mm)		ASA No.9, 15-4.2.2	Soil	60.3		% Passing	0.1	0.5	60.3	60.3	60.3	60.3
CPC14-3	Kinetic	Grain Size	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	04/07/15	L24141-01	ACZ	06/08/15	12:00	Sieve- 4000 um (4.0mm)		ASA No.9, 15-4.2.2	Soil	83.6		% Passing	0.1	0.5	83.6	83.6	83.6	83.6
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/12/15	L24141-02	ACZ	05/14/15	14:12	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate	0.018	B	mg/L	0.008	0.04	0.018*	0.018	0.018	0.018
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/12/15	L24141-02	ACZ	05/14/15	14:12	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	1.4		mg/L	0.2	1	1.4	1.4	1.4	1.4
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/12/15	L24141-02	ACZ	05/14/15	14:12	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	1.52		mg/L	0.005	0.03	1.52	1.52	1.52	1.52
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/12/15	L24141-02	ACZ	05/14/15	14:12	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/12/15	L24141-02	ACZ	05/14/15	14:12	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate	0.025	B	mg/L	0.008	0.04	0.025*	0.025	0.025	0.025
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/12/15	L24141-02	ACZ	05/14/15	14:12	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/12/15	L24141-02	ACZ	05/14/15	14:12	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/12/15	L24141-02	ACZ	05/14/15	14:12	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	9.4		mg/L	0.2	1	9.4	9.4	9.4	9.4
CPC14-3	Kinetic	HCT																				

Hole ID	Composi e Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	05/18/15	15:25	pH measured at		M9045D/M9040C	Leachate	19.8		C	0.1	0.1	19.8	19.8	19.8	19.8
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	05/20/15	20:19	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	05/20/15	20:19	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	05/20/15	20:19	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	05/20/15	20:19	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/02/15	12:08	Acidity as CaCO3		SM2310B - Titration	Leachate	24		mg/L	10	20	24	24	24	24
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/03/15	15:48	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate	0.76		mg/L	0.03	0.2	0.76	0.76	0.76	0.76
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/03/15	15:48	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.042		mg/L	0.003	0.02	0.042	0.042	0.042	0.042
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/03/15	15:48	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/03/15	15:48	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	8.1		mg/L	0.1	0.5	8.1	8.1	8.1	8.1
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/03/15	15:48	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate	0.01	B	mg/L	0.01	0.05	0.01*	0.01	0.01	0.01
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/03/15	15:48	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate	0.07		mg/L	0.01	0.05	0.07	0.07	0.07	0.07
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/03/15	15:48	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.38		mg/L	0.01	0.05	0.38	0.38	0.38	0.38
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/03/15	15:48	Gallium, dissolved	7440-55-3	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/03/15	15:48	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	0.14		mg/L	0.02	0.05	0.14	0.14	0.14	0.14
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/03/15	15:48	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate	0.016	B	mg/L	0.008	0.04	0.016*	0.016	0.016	0.016
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/03/15	15:48	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	1.4		mg/L	0.2	1	1.4	1.4	1.4	1.4
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/03/15	15:48	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	3.68		mg/L	0.005	0.03	3.68	3.68	3.68	3.68
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/03/15	15:48	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/03/15	15:48	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate	0.034	B	mg/L	0.008	0.04	0.034*	0.034	0.034	0.034
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/03/15	15:48	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	3.4		mg/L	0.2	1	3.4	3.4	3.4	3.4
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/03/15	15:48	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/03/15	15:48	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/03/15	15:48	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	7.9		mg/L	0.2	1	7.9	7.9	7.9	7.9
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/03/15	15:48	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	3.7		mg/L	0.005	0.03	3.7	3.7	3.7	3.7
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/03/15	15:48	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/03/15	15:48	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/03/15	15:48	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/03/15	15:48	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	1.04		mg/L	0.01	0.05	1.04	1.04	1.04	1.04
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/04/15	10:40	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Leachate		U	mg/L	0.0004	0.002	<0.0004	-0.0004	0.0004	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/04/15	10:40	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0004	B	mg/L	0.0002	0.001	0.0004*	0.0004	0.0004	0.0004
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/04/15	10:40	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate	0.00079		mg/L	0.00005	0.0003	0.00079	0.00079	0.00079	0.00079
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/04/15	10:40	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0169		mg/L	0.0001	0.0005	0.0169	0.0169	0.0169	0.0169
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/04/15	10:40	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0038		mg/L	0.0001	0.0005	0.0038	0.0038	0.0038	0.0038
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/04/15	10:40	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Leachate	0.0023		mg/L	0.0001	0.0003	0.0023	0.0023	0.0023	0.0023
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/04/15	10:40	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Leachate		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/04/15	10:42	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.02	B	mg/L	0.01	0.05	0.02*	0.02	0.02	0.02
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/05/15	13:31	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	51.5		mg/L	5	25	51.5	51.5	51.5	51.5
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/19/15	L24141-03	ACZ	06/11/15	16:28	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/26/15	L24141-04	ACZ	05/25/15	12:00	Interstitial Weight		D5744-12	Leachate	163		g			163	163	163	163
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/26/15	L24141-04	ACZ	05/25/15	12:00	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/26/15	L24141-04	ACZ	05/25/15	12:00	Leachate Volume Recovered		D5744-12	Leachate	893		g			893	893	893	893
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/26/15	L24141-04	ACZ	05/25/15	13:30	Conductivity--Humidity Cell Test		SM2510B	Leachate	79.7		umhos/cm	1	10	79.7	79.7	79.7	79.7
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/26/15	L24141-04	ACZ	05/25/15	15:20	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	254		mv	1	1	254	254	254	254
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/26/15	L24141-04	ACZ	05/25/15	15:25	pH		M9045D/M9040C	Leachate	4.9		units	0.1	0.1	4.9	4.9	4.9	4.9
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/26/15	L24141-04	ACZ	05/25/15	15:25	pH measured at		M9045D/M9040C	Leachate	20.9		C	0.1	0.1	20.9	20.9	20.9	20.9
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/26/15	L24141-04	ACZ	06/02/15	12:23	Acidity as CaCO3		SM2310B - Titration	Leachate	30		mg/L	10	20	30	30	30	30
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/26/15	L24141-04	ACZ	06/02/15	16:23	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/26/15	L24141-04	ACZ	06/02/15	16:23	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/26/15	L24141-04	ACZ	06/02/15	16:23	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	05/26/15																	

Hole ID	Composi e Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/02/15	L24141-05	ACZ	06/04/15	10:50	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0199		mg/L	0.0001	0.0005	0.0199	0.0199	0.0199	0.0199
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/02/15	L24141-05	ACZ	06/04/15	10:50	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0066		mg/L	0.0001	0.0005	0.0066	0.0066	0.0066	0.0066
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/02/15	L24141-05	ACZ	06/05/15	13:31	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	50		mg/L	5	25	50	50	50	50
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/09/15	L24141-06	ACZ	06/08/15	12:00	Interstitial Weight		D5744-12	Leachate	162		g			162	162	162	162
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/09/15	L24141-06	ACZ	06/08/15	12:00	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/09/15	L24141-06	ACZ	06/08/15	12:00	Leachate Volume Recovered		D5744-12	Leachate	880		g			880	880	880	880
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/09/15	L24141-06	ACZ	06/08/15	13:00	Conductivity--Humidity Cell Test		SM2510B	Leachate	109		umhos/cm	1	10	109	109	109	109
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/09/15	L24141-06	ACZ	06/08/15	14:40	pH		M9045D/M9040C	Leachate	4.7		units	0.1	0.1	4.7	4.7	4.7	4.7
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/09/15	L24141-06	ACZ	06/08/15	14:40	pH measured at		M9045D/M9040C	Leachate	20.3		C	0.1	0.1	20.3	20.3	20.3	20.3
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/09/15	L24141-06	ACZ	06/08/15	14:43	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	411		mv	1	1	411	411	411	411
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/09/15	L24141-06	ACZ	06/10/15	15:37	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	47		mg/L	5	25	47	47	47	47
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/09/15	L24141-06	ACZ	06/10/15	20:09	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/09/15	L24141-06	ACZ	06/10/15	20:09	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/09/15	L24141-06	ACZ	06/10/15	20:09	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/09/15	L24141-06	ACZ	06/10/15	20:09	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/09/15	L24141-06	ACZ	06/11/15	02:03	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0004	B	mg/L	0.0002	0.001	0.0004*	0.0004	0.0004	0.0004
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/09/15	L24141-06	ACZ	06/11/15	02:03	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0211		mg/L	0.0001	0.0005	0.0211	0.0211	0.0211	0.0211
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/09/15	L24141-06	ACZ	06/11/15	02:03	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0036		mg/L	0.0001	0.0005	0.0036	0.0036	0.0036	0.0036
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/09/15	L24141-06	ACZ	06/11/15	12:15	Acidity as CaCO3		SM2310B - Titration	Leachate	26		mg/L	10	20	26	26	26	26
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/09/15	L24141-06	ACZ	06/11/15	20:30	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.46		mg/L	0.01	0.05	0.46	0.46	0.46	0.46
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/09/15	L24141-06	ACZ	06/11/15	20:30	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	0.17		mg/L	0.02	0.05	0.17	0.17	0.17	0.17
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/09/15	L24141-06	ACZ	06/11/15	20:30	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	1.63		mg/L	0.01	0.05	1.63	1.63	1.63	1.63
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/16/15	L24141-07	ACZ	06/15/15	12:00	Interstitial Weight		D5744-12	Leachate	159		g			159	159	159	159
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/16/15	L24141-07	ACZ	06/15/15	12:00	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/16/15	L24141-07	ACZ	06/15/15	12:00	Leachate Volume Recovered		D5744-12	Leachate	882		g			882	882	882	882
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/16/15	L24141-07	ACZ	06/15/15	13:00	Conductivity--Humidity Cell Test		SM2510B	Leachate	163		umhos/cm	1	10	163	163	163	163
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/16/15	L24141-07	ACZ	06/15/15	14:40	pH		M9045D/M9040C	Leachate	4.5		units	0.1	0.1	4.5	4.5	4.5	4.5
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/16/15	L24141-07	ACZ	06/15/15	14:40	pH measured at		M9045D/M9040C	Leachate	20.8		C	0.1	0.1	20.8	20.8	20.8	20.8
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/16/15	L24141-07	ACZ	06/15/15	14:43	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	407		mv	1	1	407	407	407	407
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/16/15	L24141-07	ACZ	06/17/15	17:49	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0002	B	mg/L	0.0002	0.001	0.0002*	0.0002	0.0002	0.0002
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/16/15	L24141-07	ACZ	06/17/15	17:49	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0244		mg/L	0.0001	0.0005	0.0244	0.0244	0.0244	0.0244
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/16/15	L24141-07	ACZ	06/17/15	17:49	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.004		mg/L	0.0001	0.0005	0.004	0.004	0.004	0.004
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/16/15	L24141-07	ACZ	06/17/15	20:09	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/16/15	L24141-07	ACZ	06/17/15	20:09	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/16/15	L24141-07	ACZ	06/17/15	20:09	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/16/15	L24141-07	ACZ	06/17/15	20:09	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/16/15	L24141-07	ACZ	06/18/15	13:10	Acidity as CaCO3		SM2310B - Titration	Leachate	18	B	mg/L	10	20	18*	18	18	18
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/16/15	L24141-07	ACZ	06/18/15	15:50	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	51.6		mg/L	5	25	51.6	51.6	51.6	51.6
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/16/15	L24141-07	ACZ	06/18/15	16:28	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.53		mg/L	0.01	0.05	0.53	0.53	0.53	0.53
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/16/15	L24141-07	ACZ	06/18/15	16:28	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	0.2		mg/L	0.02	0.05	0.2	0.2	0.2	0.2
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/16/15	L24141-07	ACZ	06/18/15	16:28	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	1.8		mg/L	0.01	0.05	1.8	1.8	1.8	1.8
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/23/15	L24141-08	ACZ	06/22/15	11:00	Conductivity--Humidity Cell Test		SM2510B	Leachate	194		umhos/cm	1	10	194	194	194	194
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/23/15	L24141-08	ACZ	06/22/15	12:48	pH		M9045D/M9040C	Leachate	4.7		units	0.1	0.1	4.7	4.7	4.7	4.7
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/23/15	L24141-08	ACZ	06/22/15	12:48	pH measured at		M9045D/M9040C	Leachate	20.5		C	0.1	0.1	20.5	20.5	20.5	20.5
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/23/15	L24141-08	ACZ	06/22/15	12:55	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	394		mv	1	1	394	394	394	394
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/23/15	L24141-08	ACZ	06/24/15	09:58	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	45.2		mg/L	5	25	45.2	45.2	45.2	45.2
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/23/15	L24141-08	ACZ	06/24/15	17:19	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate	1.06		mg/L	0.03	0.2	1.06	1.06	1.06	1.06
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/23/15	L24141-08	ACZ	06/24/15	17:19	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.031		mg/L	0.003	0.02	0.031	0.031	0.031	0.031
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/23/15	L24141-08	ACZ	06/24/15	17:19	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/23/15	L24141-08	ACZ	06/24/15	17:19	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.02	B	mg/L	0.01	0.05	0.02*	0.02	0.02	0.02
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/23/15	L24141-08	ACZ	06/24/15	17:19	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	6.5		mg/L	0.1	0.5	6.5	6.5	6.5	6.5
CPC14-3	Kinetic	HCT																				

Hole ID	Composi e Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/23/15	L24141-08	ACZ	06/24/15	18:35	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0038		mg/L	0.0001	0.0005	0.0038	0.0038	0.0038	0.0038
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/23/15	L24141-08	ACZ	06/24/15	18:35	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Leachate	0.002		mg/L	0.0001	0.0003	0.002	0.002	0.002	0.002
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/23/15	L24141-08	ACZ	06/24/15	18:35	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Leachate		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/23/15	L24141-08	ACZ	06/25/15	10:09	Acidity as CaCO3		SM2310B - Titration	Leachate	30		mg/L	10	20	30	30	30	30
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/23/15	L24141-08	ACZ	06/25/15	12:22	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/23/15	L24141-08	ACZ	06/25/15	20:51	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/23/15	L24141-08	ACZ	06/25/15	20:51	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/23/15	L24141-08	ACZ	06/25/15	20:51	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/23/15	L24141-08	ACZ	06/25/15	20:51	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/23/15	L24141-08	ACZ	07/02/15	12:00	Interstitial Weight		D5744-12	Leachate	151		g			151	151	151	151
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/23/15	L24141-08	ACZ	07/02/15	12:00	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/23/15	L24141-08	ACZ	07/02/15	12:00	Leachate Volume Recovered		D5744-12	Leachate	887		g			887	887	887	887
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/30/15	L24141-09	ACZ	06/29/15	10:08	Conductivity--Humidity Cell Test		SM2510B	Leachate	129		umhos/cm	1	10	129	129	129	129
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/30/15	L24141-09	ACZ	06/29/15	12:12	pH		M9045D/M9040C	Leachate	4.4		units	0.1	0.1	4.4	4.4	4.4	4.4
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/30/15	L24141-09	ACZ	06/29/15	12:12	pH measured at		M9045D/M9040C	Leachate	22.8		C	0.1	0.1	22.8	22.8	22.8	22.8
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/30/15	L24141-09	ACZ	06/29/15	12:20	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	303		mv	1	1	303	303	303	303
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/30/15	L24141-09	ACZ	07/01/15	21:30	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/30/15	L24141-09	ACZ	07/01/15	21:30	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/30/15	L24141-09	ACZ	07/01/15	21:30	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/30/15	L24141-09	ACZ	07/01/15	21:30	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/30/15	L24141-09	ACZ	07/01/15	22:20	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0003	B	mg/L	0.0002	0.001	0.0003*	0.0003	0.0003	0.0003
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/30/15	L24141-09	ACZ	07/01/15	22:20	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.025		mg/L	0.0001	0.0005	0.025	0.025	0.025	0.025
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/30/15	L24141-09	ACZ	07/01/15	22:20	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0043		mg/L	0.0001	0.0005	0.0043	0.0043	0.0043	0.0043
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/30/15	L24141-09	ACZ	07/02/15	09:03	Acidity as CaCO3		SM2310B - Titration	Leachate	26		mg/L	10	20	26	26	26	26
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/30/15	L24141-09	ACZ	07/02/15	11:39	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.49		mg/L	0.01	0.05	0.49	0.49	0.49	0.49
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/30/15	L24141-09	ACZ	07/02/15	11:39	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	0.23		mg/L	0.02	0.05	0.23	0.23	0.23	0.23
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/30/15	L24141-09	ACZ	07/02/15	11:39	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	1.48		mg/L	0.01	0.05	1.48	1.48	1.48	1.48
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/30/15	L24141-09	ACZ	07/02/15	12:00	Interstitial Weight		D5744-12	Leachate	142		g			142	142	142	142
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/30/15	L24141-09	ACZ	07/02/15	12:00	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/30/15	L24141-09	ACZ	07/02/15	12:00	Leachate Volume Recovered		D5744-12	Leachate	885		g			885	885	885	885
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	06/30/15	L24141-09	ACZ	07/02/15	13:24	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	41.3		mg/L	5	25	41.3	41.3	41.3	41.3
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/07/15	L24141-10	ACZ	07/06/15	09:00	Interstitial Weight		D5744-12	Leachate	136		g			136	136	136	136
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/07/15	L24141-10	ACZ	07/06/15	09:00	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/07/15	L24141-10	ACZ	07/06/15	09:00	Leachate Volume Recovered		D5744-12	Leachate	883		g			883	883	883	883
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/07/15	L24141-10	ACZ	07/06/15	09:00	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	266		mv	1	1	266	266	266	266
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/07/15	L24141-10	ACZ	07/06/15	09:48	Conductivity--Humidity Cell Test		SM2510B	Leachate	127		umhos/cm	1	10	127	127	127	127
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/07/15	L24141-10	ACZ	07/06/15	11:27	pH		M9045D/M9040C	Leachate	4.4		units	0.1	0.1	4.4	4.4	4.4	4.4
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/07/15	L24141-10	ACZ	07/06/15	11:27	pH measured at		M9045D/M9040C	Leachate	22.5		C	0.1	0.1	22.5	22.5	22.5	22.5
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/07/15	L24141-10	ACZ	07/08/15	14:30	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	39.5		mg/L	5	25	39.5	39.5	39.5	39.5
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/07/15	L24141-10	ACZ	07/08/15	17:34	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0004	B	mg/L	0.0002	0.001	0.0004*	0.0004	0.0004	0.0004
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/07/15	L24141-10	ACZ	07/08/15	17:34	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0281		mg/L	0.0001	0.0005	0.0281	0.0281	0.0281	0.0281
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/07/15	L24141-10	ACZ	07/08/15	17:34	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0041		mg/L	0.0001	0.0005	0.0041	0.0041	0.0041	0.0041
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/07/15	L24141-10	ACZ	07/08/15	19:14	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/07/15	L24141-10	ACZ	07/08/15	19:14	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/07/15	L24141-10	ACZ	07/08/15	19:14	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/07/15	L24141-10	ACZ	07/08/15	19:14	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/07/15	L24141-10	ACZ	07/09/15	19:37	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.64		mg/L	0.01	0.05	0.64	0.64	0.64	0.64
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/07/15	L24141-10	ACZ	07/09/15	19:37	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	0.35		mg/L	0.02	0.05	0.35	0.35	0.35	0.35
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/07/15	L24141-10	ACZ	07/09/15	19:37	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	1.8		mg/L	0.01	0.05	1.8	1.8	1.8	1.8
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/07/15	L24141-10	ACZ	07/15/15	10:54	Acidity as CaCO3		SM2310B - Titration	Leachate	32		mg/L	10	20	32	32	32	32
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/14/15	L24141-11	ACZ	07/13/15	08:00	Interstitial Weight		D5744-12	Leachate	135		g			135	135	135	135
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/14/15	L24141-11	ACZ	07/13/15	08:00													

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/21/15	L24141-12	ACZ	07/20/15	10:34	pH measured at		M9045D/M9040C	Leachate	22.2		C	0.1	0.1	22.2	22.2	22.2	22.2
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/21/15	L24141-12	ACZ	07/20/15	11:00	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	274		mv	1	1	274	274	274	274
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/21/15	L24141-12	ACZ	07/22/15	11:18	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0003	B	mg/L	0.0002	0.001	0.0003*	0.0003	0.0003	0.0003
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/21/15	L24141-12	ACZ	07/22/15	11:18	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0235		mg/L	0.0001	0.0005	0.0235	0.0235	0.0235	0.0235
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/21/15	L24141-12	ACZ	07/22/15	11:18	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0028		mg/L	0.0001	0.0005	0.0028	0.0028	0.0028	0.0028
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/21/15	L24141-12	ACZ	07/22/15	12:16	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	36.3		mg/L	5	25	36.3	36.3	36.3	36.3
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/21/15	L24141-12	ACZ	07/22/15	18:52	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/21/15	L24141-12	ACZ	07/22/15	18:52	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/21/15	L24141-12	ACZ	07/22/15	18:52	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/21/15	L24141-12	ACZ	07/22/15	18:52	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/21/15	L24141-12	ACZ	07/22/15	20:38	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.64		mg/L	0.01	0.05	0.64	0.64	0.64	0.64
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/21/15	L24141-12	ACZ	07/22/15	20:38	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	0.34		mg/L	0.02	0.05	0.34	0.34	0.34	0.34
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/21/15	L24141-12	ACZ	07/22/15	20:38	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	1.52		mg/L	0.01	0.05	1.52	1.52	1.52	1.52
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/21/15	L24141-12	ACZ	07/24/15	10:53	Acidity as CaCO3		SM2310B - Titration	Leachate	12	B	mg/L	10	20	12*	12	12	12
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/28/15	L24141-13	ACZ	07/27/15	08:00	Conductivity--Humidity Cell Test		SM2510B	Leachate	129		umhos/cm	1	10	129	129	129	129
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/28/15	L24141-13	ACZ	07/27/15	08:00	Interstitial Weight		D5744-12	Leachate	130		g			130	130	130	130
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/28/15	L24141-13	ACZ	07/27/15	08:00	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/28/15	L24141-13	ACZ	07/27/15	08:00	Leachate Volume Recovered		D5744-12	Leachate	881		g			881	881	881	881
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/28/15	L24141-13	ACZ	07/27/15	10:34	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	408		mv	1	1	408	408	408	408
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/28/15	L24141-13	ACZ	07/27/15	10:34	pH		M9045D/M9040C	Leachate	4.3		units	0.1	0.1	4.3	4.3	4.3	4.3
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/28/15	L24141-13	ACZ	07/27/15	10:34	pH measured at		M9045D/M9040C	Leachate	21.2		C	0.1	0.1	21.2	21.2	21.2	21.2
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/28/15	L24141-13	ACZ	07/29/15	11:44	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.61		mg/L	0.01	0.05	0.61	0.61	0.61	0.61
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/28/15	L24141-13	ACZ	07/29/15	11:44	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	0.28		mg/L	0.02	0.05	0.28	0.28	0.28	0.28
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/28/15	L24141-13	ACZ	07/29/15	11:44	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	1.4		mg/L	0.01	0.05	1.4	1.4	1.4	1.4
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/28/15	L24141-13	ACZ	07/29/15	13:35	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	37.1		mg/L	5	25	37.1	37.1	37.1	37.1
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/28/15	L24141-13	ACZ	07/29/15	16:58	Acidity as CaCO3		SM2310B - Titration	Leachate	12	B	mg/L	10	20	12*	12	12	12
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/28/15	L24141-13	ACZ	07/29/15	20:36	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/28/15	L24141-13	ACZ	07/29/15	20:36	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0233		mg/L	0.0001	0.0005	0.0233	0.0233	0.0233	0.0233
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/28/15	L24141-13	ACZ	07/29/15	20:36	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0035		mg/L	0.0001	0.0005	0.0035	0.0035	0.0035	0.0035
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/28/15	L24141-13	ACZ	07/29/15	21:37	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/28/15	L24141-13	ACZ	07/29/15	21:37	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/28/15	L24141-13	ACZ	07/29/15	21:37	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	07/28/15	L24141-13	ACZ	07/29/15	21:37	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/04/15	L24141-14	ACZ	08/03/15	08:00	Interstitial Weight		D5744-12	Leachate	133		g			133	133	133	133
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/04/15	L24141-14	ACZ	08/03/15	08:00	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/04/15	L24141-14	ACZ	08/03/15	08:00	Leachate Volume Recovered		D5744-12	Leachate	872		g			872	872	872	872
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/04/15	L24141-14	ACZ	08/03/15	08:49	Conductivity--Humidity Cell Test		SM2510B	Leachate	104		umhos/cm	1	10	104	104	104	104
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/04/15	L24141-14	ACZ	08/03/15	10:34	pH		M9045D/M9040C	Leachate	4.4		units	0.1	0.1	4.4	4.4	4.4	4.4
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/04/15	L24141-14	ACZ	08/03/15	10:34	pH measured at		M9045D/M9040C	Leachate	22.4		C	0.1	0.1	22.4	22.4	22.4	22.4
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/04/15	L24141-14	ACZ	08/03/15	11:00	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	384		mv	1	1	384	384	384	384
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/04/15	L24141-14	ACZ	08/05/15	09:14	Acidity as CaCO3		SM2310B - Titration	Leachate	14	B	mg/L	10	20	14*	14	14	14
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/04/15	L24141-14	ACZ	08/05/15	15:08	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Leachate		U	mg/L	0.0004	0.002	<0.0004	-0.0004	0.0004	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/04/15	L24141-14	ACZ	08/05/15	15:08	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0002	B	mg/L	0.0002	0.001	0.0002*	0.0002	0.0002	0.0002
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/04/15	L24141-14	ACZ	08/05/15	15:08	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate	0.00144		mg/L	0.00005	0.0003	0.00144	0.00144	0.00144	0.00144
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/04/15	L24141-14	ACZ	08/05/15	15:08	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0212		mg/L	0.0001	0.0005	0.0212	0.0212	0.0212	0.0212
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/04/15	L24141-14	ACZ	08/05/15	15:08	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.003		mg/L	0.0001	0.0005	0.003	0.003	0.003	0.003
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/04/15	L24141-14	ACZ	08/05/15	15:08	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Leachate	0.0014		mg/L	0.0001	0.0003	0.0014	0.0014	0.0014	0.0014
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/04/15	L24141-14	ACZ	08/05/15	15:08	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Leachate		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/04/15	L24141-14	ACZ	08/05/15	15:11	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate	0.71		mg/L	0.03	0.2	0.71	0.71	0.71	0.71
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/04/15	L24141-14	ACZ	08/05/15	15:11	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.025		mg/L	0.003	0.02	0.025	0.025	0.025	0.025
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/04/15	L24141-14	ACZ	08/05/15	15:11	Bismuth, dissolved	7440-69-9	M200.7 ICP										

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/04/15	L24141-14	ACZ	08/05/15	20:49	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/04/15	L24141-14	ACZ	08/05/15	20:49	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/04/15	L24141-14	ACZ	08/06/15	12:31	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	35.6		mg/L	1	5	35.6	35.6	35.6	35.6
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/04/15	L24141-14	ACZ	08/14/15	11:45	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/11/15	L24141-15	ACZ	08/10/15	08:00	Interstitial Weight		D5744-12	Leachate	132		g			132	132	132	132
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/11/15	L24141-15	ACZ	08/10/15	08:00	Leachate Volume Added		D5744-12	Leachate	1000		mL		1000	1000	1000	1000	
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/11/15	L24141-15	ACZ	08/10/15	08:00	Leachate Volume Recovered		D5744-12	Leachate	895		g			895	895	895	895
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/11/15	L24141-15	ACZ	08/10/15	08:49	Conductivity--Humidity Cell Test		SM2510B	Leachate	117		umhos/cm	1	10	117	117	117	117
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/11/15	L24141-15	ACZ	08/10/15	10:34	pH		M9045D/M9040C	Leachate	4.4		units	0.1	0.1	4.4	4.4	4.4	4.4
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/11/15	L24141-15	ACZ	08/10/15	10:34	pH measured at		M9045D/M9040C	Leachate	20.8		C	0.1	0.1	20.8	20.8	20.8	20.8
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/11/15	L24141-15	ACZ	08/10/15	11:00	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	344		mv	1	1	344	344	344	344
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/11/15	L24141-15	ACZ	08/12/15	11:57	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	38		mg/L	5	25	38	38	38	38
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/11/15	L24141-15	ACZ	08/12/15	18:04	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0003	B	mg/L	0.0002	0.001	0.0003*	0.0003	0.0003	0.0003
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/11/15	L24141-15	ACZ	08/12/15	18:04	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.025		mg/L	0.0001	0.0005	0.025	0.025	0.025	0.025
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/11/15	L24141-15	ACZ	08/12/15	18:04	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0032		mg/L	0.0001	0.0005	0.0032	0.0032	0.0032	0.0032
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/11/15	L24141-15	ACZ	08/12/15	19:47	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.67		mg/L	0.01	0.05	0.67	0.67	0.67	0.67
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/11/15	L24141-15	ACZ	08/12/15	19:47	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	1.38		mg/L	0.01	0.05	1.38	1.38	1.38	1.38
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/11/15	L24141-15	ACZ	08/13/15	14:40	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	0.34		mg/L	0.02	0.05	0.34	0.34	0.34	0.34
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/11/15	L24141-15	ACZ	08/14/15	19:35	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/11/15	L24141-15	ACZ	08/14/15	19:35	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/11/15	L24141-15	ACZ	08/14/15	19:35	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/11/15	L24141-15	ACZ	08/14/15	19:35	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/11/15	L24141-15	ACZ	08/19/15	10:33	Acidity as CaCO3		SM2310B - Titration	Leachate	26		mg/L	10	20	26	26	26	26
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/18/15	L24141-16	ACZ	08/17/15	08:00	Interstitial Weight		D5744-12	Leachate	132		g			132	132	132	132
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/18/15	L24141-16	ACZ	08/17/15	08:00	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/18/15	L24141-16	ACZ	08/17/15	08:00	Leachate Volume Recovered		D5744-12	Leachate	876		g			876	876	876	876
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/18/15	L24141-16	ACZ	08/17/15	08:00	pH		M9045D/M9040C	Leachate	4.3		units	0.1	0.1	4.3	4.3	4.3	4.3
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/18/15	L24141-16	ACZ	08/17/15	08:00	pH measured at		M9045D/M9040C	Leachate	21.4		C	0.1	0.1	21.4	21.4	21.4	21.4
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/18/15	L24141-16	ACZ	08/17/15	08:49	Conductivity--Humidity Cell Test		SM2510B	Leachate	116		umhos/cm	1	10	116	116	116	116
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/18/15	L24141-16	ACZ	08/17/15	11:00	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	356		mv	1	1	356	356	356	356
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/18/15	L24141-16	ACZ	08/19/15	11:22	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0003	B	mg/L	0.0002	0.001	0.0003*	0.0003	0.0003	0.0003
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/18/15	L24141-16	ACZ	08/19/15	11:22	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0235		mg/L	0.0001	0.0005	0.0235	0.0235	0.0235	0.0235
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/18/15	L24141-16	ACZ	08/19/15	11:22	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0031		mg/L	0.0001	0.0005	0.0031	0.0031	0.0031	0.0031
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/18/15	L24141-16	ACZ	08/19/15	20:49	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/18/15	L24141-16	ACZ	08/19/15	20:49	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/18/15	L24141-16	ACZ	08/19/15	20:49	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/18/15	L24141-16	ACZ	08/19/15	20:49	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/18/15	L24141-16	ACZ	08/20/15	11:49	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	35.4		mg/L	5	25	35.4	35.4	35.4	35.4
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/18/15	L24141-16	ACZ	08/26/15	16:19	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.69		mg/L	0.01	0.05	0.69	0.69	0.69	0.69
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/18/15	L24141-16	ACZ	08/26/15	16:19	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	0.33		mg/L	0.02	0.05	0.33	0.33	0.33	0.33
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/18/15	L24141-16	ACZ	08/26/15	16:19	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	1.33		mg/L	0.01	0.05	1.33	1.33	1.33	1.33
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/18/15	L24141-16	ACZ	08/27/15	13:17	Acidity as CaCO3		SM2310B - Titration	Leachate	16	B	mg/L	10	20	16*	16	16	16
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/25/15	L24141-17	ACZ	08/24/15	08:00	Interstitial Weight		D5744-12	Leachate	131		g			131	131	131	131
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/25/15	L24141-17	ACZ	08/24/15	08:00	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/25/15	L24141-17	ACZ	08/24/15	08:00	Leachate Volume Recovered		D5744-12	Leachate	877		g			877	877	877	877
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/25/15	L24141-17	ACZ	08/24/15	08:45	Conductivity--Humidity Cell Test		SM2510B	Leachate	167		umhos/cm	1	10	167	167	167	167
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/25/15	L24141-17	ACZ	08/24/15	10:15	pH		M9045D/M9040C	Leachate	4.2		units	0.1	0.1	4.2	4.2	4.2	4.2
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/25/15	L24141-17	ACZ	08/24/15	10:15	pH measured at		M9045D/M9040C	Leachate	21.1		C	0.1	0.1	21.1	21.1	21.1	21.1
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/25/15	L24141-17	ACZ	08/24/15	10:48	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	383		mv	1	1	383	383	383	383
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/25/15	L24141-17	ACZ	08/26/15	17:11	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0002	B	mg/L	0.0002	0.001	0.0002*	0.0002	0.0002	0.0002
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/25/15	L24141-17	ACZ	08/26/15	17:11	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0252		mg/L	0.0001	0.0005	0.0252	0.0252	0.0252	0.0252
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	08/25/15	L24141-17	ACZ	08/26/15														

Hole ID	Composi e Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/01/15	L24141-18	ACZ	09/04/15	22:03	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	0.35		mg/L	0.02	0.05	0.35	0.35	0.35	0.35
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/01/15	L24141-18	ACZ	09/04/15	22:03	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	1.2		mg/L	0.01	0.05	1.2	1.2	1.2	1.2
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/01/15	L24141-18	ACZ	09/10/15	00:17	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/01/15	L24141-18	ACZ	09/10/15	00:17	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/01/15	L24141-18	ACZ	09/10/15	00:17	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/01/15	L24141-18	ACZ	09/10/15	00:17	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/08/15	L24141-19	ACZ	09/07/15	08:00	Interstitial Weight		D5744-12	Leachate	129		g			129	129	129	129
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/08/15	L24141-19	ACZ	09/07/15	08:00	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/08/15	L24141-19	ACZ	09/07/15	08:00	Leachate Volume Recovered		D5744-12	Leachate	874		g			874	874	874	874
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/08/15	L24141-19	ACZ	09/07/15	08:45	Conductivity--Humidity Cell Test		SM2510B	Leachate	160		umhos/cm	1	10	160	160	160	160
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/08/15	L24141-19	ACZ	09/07/15	10:15	pH		M9045D/M9040C	Leachate	4.2		units	0.1	0.1	4.2	4.2	4.2	4.2
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/08/15	L24141-19	ACZ	09/07/15	10:15	pH measured at		M9045D/M9040C	Leachate	20.9		C	0.1	0.1	20.9	20.9	20.9	20.9
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/08/15	L24141-19	ACZ	09/07/15	10:48	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	345		mv	1	1	345	345	345	345
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/08/15	L24141-19	ACZ	09/10/15	00:23	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/08/15	L24141-19	ACZ	09/10/15	00:23	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/08/15	L24141-19	ACZ	09/10/15	00:23	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/08/15	L24141-19	ACZ	09/10/15	00:23	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/08/15	L24141-19	ACZ	09/10/15	12:58	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	35.5		mg/L	5	25	35.5	35.5	35.5	35.5
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/08/15	L24141-19	ACZ	09/11/15	12:13	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0003	B	mg/L	0.0002	0.001	0.0003*	0.0003	0.0003	0.0003
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/08/15	L24141-19	ACZ	09/11/15	12:13	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0238		mg/L	0.0001	0.0005	0.0238	0.0238	0.0238	0.0238
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/08/15	L24141-19	ACZ	09/11/15	12:13	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0029		mg/L	0.0001	0.0005	0.0029	0.0029	0.0029	0.0029
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/08/15	L24141-19	ACZ	09/15/15	10:39	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.7		mg/L	0.01	0.05	0.7	0.7	0.7	0.7
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/08/15	L24141-19	ACZ	09/15/15	10:39	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	0.35		mg/L	0.02	0.05	0.35	0.35	0.35	0.35
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/08/15	L24141-19	ACZ	09/15/15	10:39	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	1.19		mg/L	0.01	0.05	1.19	1.19	1.19	1.19
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/08/15	L24141-19	ACZ	09/16/15	13:47	Acidity as CaCO3		SM2310B - Titration	Leachate	12	B	mg/L	10	20	12*	12	12	12
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/15/15	L24141-20	ACZ	09/14/15	08:00	Interstitial Weight		D5744-12	Leachate	128		g			128	128	128	128
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/15/15	L24141-20	ACZ	09/14/15	08:00	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/15/15	L24141-20	ACZ	09/14/15	08:00	Leachate Volume Recovered		D5744-12	Leachate	876		g			876	876	876	876
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/15/15	L24141-20	ACZ	09/14/15	08:45	Conductivity--Humidity Cell Test		SM2510B	Leachate	130		umhos/cm	1	10	130	130	130	130
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/15/15	L24141-20	ACZ	09/14/15	10:15	pH		M9045D/M9040C	Leachate	4.2		units	0.1	0.1	4.2	4.2	4.2	4.2
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/15/15	L24141-20	ACZ	09/14/15	10:15	pH measured at		M9045D/M9040C	Leachate	20.9		C	0.1	0.1	20.9	20.9	20.9	20.9
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/15/15	L24141-20	ACZ	09/14/15	10:24	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	318		mv	1	1	318	318	318	318
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/15/15	L24141-20	ACZ	09/17/15	11:25	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	35.4		mg/L	5	25	35.4	35.4	35.4	35.4
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/15/15	L24141-20	ACZ	09/17/15	18:00	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Leachate		U	mg/L	0.0004	0.002	<0.0004	-0.0004	0.0004	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/15/15	L24141-20	ACZ	09/17/15	18:00	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0004	B	mg/L	0.0002	0.001	0.0004*	0.0004	0.0004	0.0004
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/15/15	L24141-20	ACZ	09/17/15	18:00	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate	0.00179		mg/L	0.00005	0.0003	0.00179	0.00179	0.00179	0.00179
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/15/15	L24141-20	ACZ	09/17/15	18:00	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0226		mg/L	0.0001	0.0005	0.0226	0.0226	0.0226	0.0226
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/15/15	L24141-20	ACZ	09/17/15	18:00	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0026		mg/L	0.0001	0.0005	0.0026	0.0026	0.0026	0.0026
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/15/15	L24141-20	ACZ	09/17/15	18:00	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Leachate	0.0016		mg/L	0.0001	0.0003	0.0016	0.0016	0.0016	0.0016
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/15/15	L24141-20	ACZ	09/17/15	18:00	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Leachate		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/15/15	L24141-20	ACZ	09/18/15	21:03	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate	0.86		mg/L	0.03	0.2	0.86	0.86	0.86	0.86
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/15/15	L24141-20	ACZ	09/18/15	21:03	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.022		mg/L	0.003	0.02	0.022	0.022	0.022	0.022
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/15/15	L24141-20	ACZ	09/18/15	21:03	Sodium, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/15/15	L24141-20	ACZ	09/18/15	21:03	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.02	B	mg/L	0.01	0.05	0.02*	0.02	0.02	0.02
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/15/15	L24141-20	ACZ	09/18/15	21:03	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	3.4		mg/L	0.1	0.5	3.4	3.4	3.4	3.4
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/15/15	L24141-20	ACZ	09/18/15	21:03	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/15/15	L24141-20	ACZ	09/18/15	21:03	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.7		mg/L	0.01	0.05	0.7	0.7	0.7	0.7
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/15/15	L24141-20	ACZ	09/18/15	21:03	Gallium, dissolved	7440-55-3	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/15/15	L24141-20	ACZ	09/18/15	21:03	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	0.36		mg/L	0.02	0.05	0.36	0.36	0.36	0.36
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/15/15	L24141-20	ACZ	09/18/15	21:03	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate		U	mg/L	0.008	0.04	<0.008	-0.008	0.008	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/15/15	L24141-20	ACZ	09/18/15	21:03	Magnesium, dissolved	7439-95-4	M200.7 ICP										

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/22/15	L24141-21	ACZ	09/21/15	10:15	pH		M9045D/M9040C	Leachate	4.2		units	0.1	0.1	4.2	4.2	4.2	4.2
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/22/15	L24141-21	ACZ	09/21/15	10:15	pH measured at		M9045D/M9040C	Leachate	20.5		C	0.1	0.1	20.5	20.5	20.5	20.5
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/22/15	L24141-21	ACZ	09/21/15	10:24	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	276		mv	1	1	276	276	276	276
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/22/15	L24141-21	ACZ	09/23/15	12:22	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0003	B	mg/L	0.0002	0.001	0.0003*	0.0003	0.0003	0.0003
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/22/15	L24141-21	ACZ	09/23/15	12:22	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0221		mg/L	0.0001	0.0005	0.0221	0.0221	0.0221	0.0221
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/22/15	L24141-21	ACZ	09/23/15	12:22	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0026		mg/L	0.0001	0.0005	0.0026	0.0026	0.0026	0.0026
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/22/15	L24141-21	ACZ	09/24/15	20:29	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/22/15	L24141-21	ACZ	09/24/15	20:29	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/22/15	L24141-21	ACZ	09/24/15	20:29	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/22/15	L24141-21	ACZ	09/24/15	20:29	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/22/15	L24141-21	ACZ	09/25/15	16:40	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.64		mg/L	0.01	0.05	0.64	0.64	0.64	0.64
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/22/15	L24141-21	ACZ	09/25/15	16:40	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	0.48		mg/L	0.02	0.05	0.48	0.48	0.48	0.48
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/22/15	L24141-21	ACZ	09/25/15	16:40	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	1.07		mg/L	0.01	0.05	1.07	1.07	1.07	1.07
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/22/15	L24141-21	ACZ	09/28/15	11:35	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	39.8		mg/L	5	25	39.8	39.8	39.8	39.8
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/22/15	L24141-21	ACZ	09/29/15	12:05	Acidity as CaCO3		SM2310B - Titration	Leachate	24		mg/L	10	20	24	24	24	24
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/29/15	L24141-22	ACZ	09/28/15	08:00	Interstitial Weight		D5744-12	Leachate	135		g			135	135	135	135
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/29/15	L24141-22	ACZ	09/28/15	08:00	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/29/15	L24141-22	ACZ	09/28/15	08:00	Leachate Volume Recovered		D5744-12	Leachate	869		g			869	869	869	869
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/29/15	L24141-22	ACZ	09/28/15	08:45	Conductivity--Humidity Cell Test		SM2510B	Leachate	128		umhos/cm	1	10	128	128	128	128
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/29/15	L24141-22	ACZ	09/28/15	10:15	pH		M9045D/M9040C	Leachate	4.2		units	0.1	0.1	4.2	4.2	4.2	4.2
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/29/15	L24141-22	ACZ	09/28/15	10:15	pH measured at		M9045D/M9040C	Leachate	20		C	0.1	0.1	20	20	20	20
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/29/15	L24141-22	ACZ	09/28/15	10:24	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	382		mv	1	1	382	382	382	382
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/29/15	L24141-22	ACZ	09/30/15	19:19	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/29/15	L24141-22	ACZ	09/30/15	19:19	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/29/15	L24141-22	ACZ	09/30/15	19:19	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/29/15	L24141-22	ACZ	09/30/15	19:19	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/29/15	L24141-22	ACZ	10/01/15	12:39	Acidity as CaCO3		SM2310B - Titration	Leachate	28		mg/L	10	20	28	28	28	28
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/29/15	L24141-22	ACZ	10/01/15	14:48	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0002	B	mg/L	0.0002	0.001	0.0002*	0.0002	0.0002	0.0002
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/29/15	L24141-22	ACZ	10/01/15	14:48	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0195		mg/L	0.0001	0.0005	0.0195	0.0195	0.0195	0.0195
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/29/15	L24141-22	ACZ	10/01/15	14:48	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0023		mg/L	0.0001	0.0005	0.0023	0.0023	0.0023	0.0023
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/29/15	L24141-22	ACZ	10/02/15	09:49	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	34.3		mg/L	5	25	34.3	34.3	34.3	34.3
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/29/15	L24141-22	ACZ	10/02/15	23:11	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.58		mg/L	0.01	0.05	0.58	0.58	0.58	0.58
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/29/15	L24141-22	ACZ	10/02/15	23:11	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	0.34		mg/L	0.02	0.05	0.34	0.34	0.34	0.34
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	09/29/15	L24141-22	ACZ	10/02/15	23:11	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.95		mg/L	0.01	0.05	0.95	0.95	0.95	0.95
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/06/15	L24141-23	ACZ	10/05/15	08:00	Interstitial Weight		D5744-12	Leachate	138		g			138	138	138	138
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/06/15	L24141-23	ACZ	10/05/15	08:00	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/06/15	L24141-23	ACZ	10/05/15	08:00	Leachate Volume Recovered		D5744-12	Leachate	871		g			871	871	871	871
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/06/15	L24141-23	ACZ	10/05/15	08:00	pH		M9045D/M9040C	Leachate	4.2		units	0.1	0.1	4.2	4.2	4.2	4.2
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/06/15	L24141-23	ACZ	10/05/15	08:00	pH measured at		M9045D/M9040C	Leachate	20		C	0.1	0.1	20	20	20	20
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/06/15	L24141-23	ACZ	10/05/15	08:45	Conductivity--Humidity Cell Test		SM2510B	Leachate	123		umhos/cm	1	10	123	123	123	123
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/06/15	L24141-23	ACZ	10/05/15	10:24	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	342		mv	1	1	342	342	342	342
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/06/15	L24141-23	ACZ	10/07/15	15:06	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	39.4		mg/L	5	25	39.4	39.4	39.4	39.4
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/06/15	L24141-23	ACZ	10/07/15	20:48	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0002	B	mg/L	0.0002	0.001	0.0002*	0.0002	0.0002	0.0002
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/06/15	L24141-23	ACZ	10/07/15	20:48	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0203		mg/L	0.0001	0.0005	0.0203	0.0203	0.0203	0.0203
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/06/15	L24141-23	ACZ	10/07/15	20:48	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0021		mg/L	0.0001	0.0005	0.0021	0.0021	0.0021	0.0021
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/06/15	L24141-23	ACZ	10/07/15	22:27	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/06/15	L24141-23	ACZ	10/07/15	22:27	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/06/15	L24141-23	ACZ	10/07/15	22:27	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/06/15	L24141-23	ACZ	10/07/15	22:27	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/06/15	L24141-23	ACZ	10/09/15	20:38	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.59		mg/L	0.01	0.05	0.59	0.59	0.59	0.59
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/06/15	L24141-23	ACZ	10/09/15	20:38	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	0.41		mg/L	0.02	0.05	0.41	0.41	0.41	0.41
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-180																		

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/20/15	L24141-25	ACZ			Iron, dissolved		No Data!		0					0	0	0	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/20/15	L24141-25	ACZ			Oxidation Reduction Potential (Eh)		No Data!		0					0	0	0	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/20/15	L24141-25	ACZ			pH, Humidity Cell Test		No Data!		0					0	0	0	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/20/15	L24141-25	ACZ			Sulfate		No Data!		0					0	0	0	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/20/15	L24141-25	ACZ			Zinc, dissolved		No Data!		0					0	0	0	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/20/15	L24141-25	ACZ	10/21/15	18:47	Arsenic, dissolved	7440-38-2	WG392794	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/20/15	L24141-25	ACZ	10/21/15	18:47	Cadmium, dissolved	7440-43-9	WG392794	Leachate	0.0187		mg/L	0.0001	0.0005	0.0187	0.0187	0.0187	0.0187
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/20/15	L24141-25	ACZ	10/21/15	18:47	Lead, dissolved	7439-92-1	WG392794	Leachate	0.0023		mg/L	0.0001	0.0005	0.0023	0.0023	0.0023	0.0023
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/20/15	L24141-25	ACZ	10/21/15	21:40	Bicarbonate as CaCO3	10139	WG392769	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/20/15	L24141-25	ACZ	10/21/15	21:40	Carbonate as CaCO3		WG392769	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/20/15	L24141-25	ACZ	10/21/15	21:40	Hydroxide as CaCO3		WG392769	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1000-1800/Kinetic	CPC14-3/1000-1800/KI	10/20/15	L24141-25	ACZ	10/21/15	21:40	Total Alkalinity	10093	WG392769	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	Grain Size	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24525-01	ACZ	06/08/15	10:00	Grain Size		D5744-12	Soil						0	0	0	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24525-01	ACZ	06/08/15	10:00	Sample Weight		D5744-12	Soil						0	0	0	0
CPC14-3	Kinetic	Grain Size	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24525-01	ACZ	06/09/15	02:00	Sieve- 63 um (230 mesh)		ASA No.9, 15-4.2.2	Soil	2.6		% Passing	0.1	0.5	2.6	2.6	2.6	2.6
CPC14-3	Kinetic	Grain Size	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24525-01	ACZ	06/09/15	02:00	Sieve- 125 um (120 mesh)		ASA No.9, 15-4.2.2	Soil	4.5		% Passing	0.1	0.5	4.5	4.5	4.5	4.5
CPC14-3	Kinetic	Grain Size	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24525-01	ACZ	06/09/15	02:00	Sieve- 250 um (60 mesh)		ASA No.9, 15-4.2.2	Soil	7.2		% Passing	0.1	0.5	7.2	7.2	7.2	7.2
CPC14-3	Kinetic	Grain Size	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24525-01	ACZ	06/09/15	02:00	Sieve- 500 um (35 mesh)		ASA No.9, 15-4.2.2	Soil	11.4		% Passing	0.1	0.5	11.4	11.4	11.4	11.4
CPC14-3	Kinetic	Grain Size	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24525-01	ACZ	06/09/15	02:00	Sieve- 850 um (20 mesh)		ASA No.9, 15-4.2.2	Soil	15.7		% Passing	0.1	0.5	15.7	15.7	15.7	15.7
CPC14-3	Kinetic	Grain Size	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24525-01	ACZ	06/09/15	02:00	Sieve- 2000 um (2.0 mm)		ASA No.9, 15-4.2.2	Soil	27.8		% Passing	0.1	0.5	27.8	27.8	27.8	27.8
CPC14-3	Kinetic	Grain Size	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24525-01	ACZ	06/09/15	02:00	Sieve- 4000 um (4.0mm)		ASA No.9, 15-4.2.2	Soil	50.7		% Passing	0.1	0.5	50.7	50.7	50.7	50.7
CPC14-3	Kinetic	Sulfur Forms	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24525-01	ACZ	06/12/15	05:46	Sulfur HCl Residue		M600/2-78-054 3.2.4-	Soil	3.75		%	0.01	0.1	3.75	3.75	3.75	3.75
CPC14-3	Kinetic	Sulfur Forms	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24525-01	ACZ	06/12/15	05:46	Sulfur HNO3 Residue		M600/2-78-054 3.2.4-	Soil	0.03	B	%	0.01	0.1	0.03*	0.03	0.03	0.03
CPC14-3	Kinetic	Sulfur Forms	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24525-01	ACZ	06/12/15	05:46	Sulfur Organic Residual		M600/2-78-054 3.2.4-	Soil	0.03	B	%	0.01	0.1	0.03*	0.03	0.03	0.03
CPC14-3	Kinetic	Sulfur Forms	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24525-01	ACZ	06/12/15	05:46	Sulfur Pyritic Sulfide		M600/2-78-054 3.2.4-	Soil	3.72		%	0.01	0.1	3.72	3.72	3.72	3.72
CPC14-3	Kinetic	Sulfur Forms	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24525-01	ACZ	06/12/15	05:46	Sulfur Sulfate		M600/2-78-054 3.2.4-	Soil	0.91		%	0.01	0.1	0.91	0.91	0.91	0.91
CPC14-3	Kinetic	Sulfur Forms	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24525-01	ACZ	06/12/15	05:46	Sulfur Total		M600/2-78-054 3.2.4-	Soil	4.66		%	0.01	0.1	4.66	4.66	4.66	4.66
CPC14-3	Kinetic	Sulfur Forms	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24525-01	ACZ	06/12/15	05:46	Total Sulfur minus Sulfate		M600/2-78-054 3.2.4-	Soil	3.75		%	0.01	0.1	3.75	3.75	3.75	3.75
CPC14-3	Kinetic	NAG	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24525-01	ACZ	06/12/15	11:00	NAG		Single NAG - EGI 200	Soil	67		Kg H2SO4/t	1	1	67	67	67	67
CPC14-3	Kinetic	NAG	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24525-01	ACZ	06/12/15	11:00	pH After Oxidation		Single NAG - EGI 200	Soil	2.3		units	0.1	0.1	2.3	2.3	2.3	2.3
CPC14-3	Kinetic	ABA	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24525-01	ACZ	06/13/15	22:03	Neutralization Potential as CaCO3		M600/2-78-054 3.2.3	Soil	2.3		%	0.1	0.5	2.3	2.3	2.3	2.3
CPC14-3	Kinetic	Carbon Forms	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24525-01	ACZ	06/14/15	07:07	Carbon, total (TC)		ASA No.9 29-2.2.4 Co	Soil	0.2	B	%	0.1	0.5	0.2*	0.2	0.2	0.2
CPC14-3	Kinetic	Carbon Forms	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24525-01	ACZ	06/14/15	07:07	Carbon, total inorganic (TIC)		ASA No. 9 29-2.2.4 (	Soil	0.1	B	%	0.1	0.5	0.1*	0.1	0.1	0.1
CPC14-3	Kinetic	Carbon Forms	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24525-01	ACZ	06/14/15	07:07	Carbon, total organic (TOC)	10355	ASA No.9 29-2.2.4 Co	Soil	0.1	B	%	0.1	0.5	0.1*	0.1	0.1	0.1
CPC14-3	Kinetic	ABA	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24525-01	ACZ	10/01/15	10:33	Acid Generation Potential (calc on Sulfur total)		M600/2-78-054 3.2.4	Soil	145.625		t CaCO3/Kt	0.31	3.1	145.625	145.625	145.625	145.625
CPC14-3	Kinetic	ABA	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24525-01	ACZ	10/01/15	10:33	Acid Neutralization Potential (calc)		M600/2-78-054 1.3	Soil	23		t CaCO3/Kt	1	5	23	23	23	23
CPC14-3	Kinetic	ABA	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	05/21/15	L24525-01	ACZ	10/01/15	10:33	Acid-Base Potential (calc on Sulfur total)		M600/2-78-054 1.3	Soil	-123		t CaCO3/Kt			-123	-123	123	-123
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/09/15	L24525-02	ACZ	06/08/15	16:00	Conductivity--Humidity Cell Test		SM2510B	Leachate	1310		umhos/cm	1	10	1310	1310	1310	1310
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/09/15	L24525-02	ACZ	06/08/15	16:21	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	426		mv	1	1	426	426	426	426
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/09/15	L24525-02	ACZ	06/08/15	16:40	pH		M9045D/M9040C	Leachate	6		units	0.1	0.1	6	6	6	6
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/09/15	L24525-02	ACZ	06/08/15	16:40	pH measured at		M9045D/M9040C	Leachate	20.2		C	0.1	0.1	20.2	20.2	20.2	20.2
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/09/15	L24525-02	ACZ	06/09/15	10:30	Interstitial Weight		D5744-12	Leachate	89		g			89	89	89	89
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/09/15	L24525-02	ACZ	06/09/15	10:30	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/09/15	L24525-02	ACZ	06/09/15	10:30	Leachate Volume Recovered		D5744-12	Leachate	903		g			903	903	903	903
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/09/15	L24525-02	ACZ	06/10/15	15:52	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	650		mg/L	50	250	650	650	650	650
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/09/15	L24525-02	ACZ	06/10/15	20:33	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate	8.4	B	mg/L	2	20	8.4*	8.4	8.4	8.4
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/09/15	L24525-02	ACZ	06/10/15	20:33	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/09/15	L24525-02	ACZ	06/10/15	20:33	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/09/15	L24525-02	ACZ	06/10/15	20:33	Total Alkalinity	10093	SM2320B - Titration	Leachate	8.4	B	mg/L	2	20	8.4*	8.4	8.4	8.4
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/09/15	L24525-02	ACZ	06/11/15	02:19	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Leachate	0.002		mg/L	0.0004	0.002	0.002	0.002	0.002	0.002
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/09/15	L24525-02	ACZ	06/11/15	02:19	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0011		mg/L	0.0002	0.001	0.0011	0.0011	0.0011	0.0011
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/09/15	L24525-02	ACZ	06/11/15	02:19	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate		U	mg/L	0.00005	0.0003	<0.00005	-0.00005	0.00005	0

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/09/15	L24525-02	ACZ	06/11/15	20:40	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/09/15	L24525-02	ACZ	06/11/15	20:40	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/09/15	L24525-02	ACZ	06/11/15	20:40	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	22.5		mg/L	0.2	1	22.5	22.5	22.5	22.5
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/09/15	L24525-02	ACZ	06/11/15	20:40	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	6.3		mg/L	0.005	0.03	6.3	6.3	6.3	6.3
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/09/15	L24525-02	ACZ	06/11/15	20:40	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/09/15	L24525-02	ACZ	06/11/15	20:40	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate	0.005	B	mg/L	0.005	0.03	0.005*	0.005	0.005	0.005
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/09/15	L24525-02	ACZ	06/11/15	20:40	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/09/15	L24525-02	ACZ	06/11/15	20:40	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.02	B	mg/L	0.01	0.05	0.02*	0.02	0.02	0.02
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/15/15	16:00	Conductivity--Humidity Cell Test		SM2510B	Leachate	1130		umhos/cm	1	10	1130	1130	1130	1130
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/15/15	16:21	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	421		mv	1	1	421	421	421	421
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/15/15	16:40	pH		M9045D/M9040C	Leachate	5.7		units	0.1	0.1	5.7	5.7	5.7	5.7
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/15/15	16:40	pH measured at		M9045D/M9040C	Leachate	21		C	0.1	0.1	21	21	21	21
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/16/15	10:30	Interstitial Weight		D5744-12	Leachate	68		g			68	68	68	68
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/16/15	10:30	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/16/15	10:30	Leachate Volume Recovered		D5744-12	Leachate	923		g			923	923	923	923
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/17/15	18:04	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0006	B	mg/L	0.0002	0.001	0.0006*	0.0006	0.0006	0.0006
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/17/15	18:04	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate		U	mg/L	0.00005	0.0003	<0.00005	-0.00005	0.00005	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/17/15	18:04	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/17/15	18:04	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0009		mg/L	0.0001	0.0005	0.0009	0.0009	0.0009	0.0009
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/17/15	18:04	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Leachate	0.001		mg/L	0.0001	0.0003	0.001	0.001	0.001	0.001
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/17/15	18:04	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Leachate		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/17/15	20:32	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate	3.5	B	mg/L	2	20	3.5*	3.5	3.5	3.5
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/17/15	20:32	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/17/15	20:32	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/17/15	20:32	Total Alkalinity	10093	SM2320B - Titration	Leachate	3.5	B	mg/L	2	20	3.5*	3.5	3.5	3.5
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/18/15	09:25	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/18/15	13:52	Acidity as CaCO3		SM2310B - Titration	Leachate	12	B	mg/L	10	20	12*	12	12	12
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/18/15	15:57	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	516		mg/L	50	250	516	516	516	516
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/18/15	16:37	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate		U	mg/L	0.03	0.2	<0.03	-0.03	0.03	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/18/15	16:37	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.045		mg/L	0.003	0.02	0.045	0.045	0.045	0.045
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/18/15	16:37	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/18/15	16:37	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.04	B	mg/L	0.01	0.05	0.04*	0.04	0.04	0.04
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/18/15	16:37	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	196		mg/L	0.1	0.5	196	196	196	196
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/18/15	16:37	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/18/15	16:37	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/18/15	16:37	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/18/15	16:37	Gallium, dissolved	7440-55-3	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/18/15	16:37	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate	0.02	B	mg/L	0.008	0.04	0.02*	0.02	0.02	0.02
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/18/15	16:37	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	4.1		mg/L	0.2	1	4.1	4.1	4.1	4.1
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/18/15	16:37	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	1.55		mg/L	0.005	0.03	1.55	1.55	1.55	1.55
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/18/15	16:37	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/18/15	16:37	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate	0.008	B	mg/L	0.008	0.04	0.008*	0.008	0.008	0.008
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/18/15	16:37	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	3.7		mg/L	0.2	1	3.7	3.7	3.7	3.7
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/18/15	16:37	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/18/15	16:37	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/18/15	16:37	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	9.3		mg/L	0.2	1	9.3	9.3	9.3	9.3
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/18/15	16:37	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	5.23		mg/L	0.005	0.03	5.23	5.23	5.23	5.23
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/18/15	16:37	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/18/15	16:37	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate	0.006	B	mg/L	0.005	0.03	0.006*	0.006	0.006	0.006
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/16/15	L24525-03	ACZ	06/18/15	16:37	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC																		

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/30/15	L24525-05	ACZ	06/29/15	14:36	pH		M9045D/M9040C	Leachate	5.6		units	0.1	0.1	5.6	5.6	5.6	5.6
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/30/15	L24525-05	ACZ	06/29/15	14:36	pH measured at		M9045D/M9040C	Leachate	20.8		C	0.1	0.1	20.8	20.8	20.8	20.8
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/30/15	L24525-05	ACZ	07/01/15	21:54	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/30/15	L24525-05	ACZ	07/01/15	21:54	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/30/15	L24525-05	ACZ	07/01/15	21:54	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/30/15	L24525-05	ACZ	07/01/15	21:54	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/30/15	L24525-05	ACZ	07/01/15	22:35	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0003	B	mg/L	0.0002	0.001	0.0003*	0.0003	0.0003	0.0003
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/30/15	L24525-05	ACZ	07/01/15	22:35	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/30/15	L24525-05	ACZ	07/01/15	22:35	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0013		mg/L	0.0001	0.0005	0.0013	0.0013	0.0013	0.0013
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/30/15	L24525-05	ACZ	07/02/15	09:54	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/30/15	L24525-05	ACZ	07/02/15	11:49	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/30/15	L24525-05	ACZ	07/02/15	11:49	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/30/15	L24525-05	ACZ	07/02/15	11:49	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/30/15	L24525-05	ACZ	07/02/15	12:57	Interstitial Weight		D5744-12	Leachate	71		g			71	71	71	71
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/30/15	L24525-05	ACZ	07/02/15	12:57	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/30/15	L24525-05	ACZ	07/02/15	12:57	Leachate Volume Recovered		D5744-12	Leachate	917		g			917	917	917	917
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	06/30/15	L24525-05	ACZ	07/02/15	13:32	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	326		mg/L	20	100	326	326	326	326
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/07/15	L24525-06	ACZ	07/06/15	10:36	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	352		mv	1	1	352	352	352	352
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/07/15	L24525-06	ACZ	07/06/15	12:00	Interstitial Weight		D5744-12	Leachate	62		g			62	62	62	62
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/07/15	L24525-06	ACZ	07/06/15	12:00	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/07/15	L24525-06	ACZ	07/06/15	12:00	Leachate Volume Recovered		D5744-12	Leachate	918		g			918	918	918	918
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/07/15	L24525-06	ACZ	07/06/15	12:12	Conductivity--Humidity Cell Test		SM2510B	Leachate	683		umhos/cm	1	10	683	683	683	683
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/07/15	L24525-06	ACZ	07/06/15	13:18	pH		M9045D/M9040C	Leachate	5.8		units	0.1	0.1	5.8	5.8	5.8	5.8
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/07/15	L24525-06	ACZ	07/06/15	13:18	pH measured at		M9045D/M9040C	Leachate	22.2		C	0.1	0.1	22.2	22.2	22.2	22.2
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/07/15	L24525-06	ACZ	07/08/15	14:32	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	496		mg/L	20	100	496	496	496	496
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/07/15	L24525-06	ACZ	07/08/15	17:14	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0008	B	mg/L	0.0002	0.001	0.0008*	0.0008	0.0008	0.0008
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/07/15	L24525-06	ACZ	07/08/15	17:14	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/07/15	L24525-06	ACZ	07/08/15	17:14	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0005		mg/L	0.0001	0.0005	0.0005	0.0005	0.0005	0.0005
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/07/15	L24525-06	ACZ	07/08/15	19:34	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate	4.6	B	mg/L	2	20	4.6*	4.6	4.6	4.6
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/07/15	L24525-06	ACZ	07/08/15	19:34	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/07/15	L24525-06	ACZ	07/08/15	19:34	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/07/15	L24525-06	ACZ	07/08/15	19:34	Total Alkalinity	10093	SM2320B - Titration	Leachate	4.6	B	mg/L	2	20	4.6*	4.6	4.6	4.6
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/07/15	L24525-06	ACZ	07/09/15	19:46	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/07/15	L24525-06	ACZ	07/09/15	19:46	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/07/15	L24525-06	ACZ	07/09/15	19:46	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/07/15	L24525-06	ACZ	07/15/15	11:22	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/14/15	L24525-07	ACZ	07/13/15	11:54	Conductivity--Humidity Cell Test		SM2510B	Leachate	553		umhos/cm	1	10	553	553	553	553
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/14/15	L24525-07	ACZ	07/13/15	12:59	pH		M9045D/M9040C	Leachate	5.6		units	0.1	0.1	5.6	5.6	5.6	5.6
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/14/15	L24525-07	ACZ	07/13/15	12:59	pH measured at		M9045D/M9040C	Leachate	22.3		C	0.1	0.1	22.3	22.3	22.3	22.3
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/14/15	L24525-07	ACZ	07/13/15	13:00	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	316		mv	1	1	316	316	316	316
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/14/15	L24525-07	ACZ	07/13/15	19:00	Interstitial Weight		D5744-12	Leachate	63		g			63	63	63	63
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/14/15	L24525-07	ACZ	07/13/15	19:00	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/14/15	L24525-07	ACZ	07/13/15	19:00	Leachate Volume Recovered		D5744-12	Leachate	923		g			923	923	923	923
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/14/15	L24525-07	ACZ	07/15/15	12:55	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	259		mg/L	20	100	259	259	259	259
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/14/15	L24525-07	ACZ	07/15/15	15:36	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/14/15	L24525-07	ACZ	07/15/15	15:36	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/14/15	L24525-07	ACZ	07/15/15	15:36	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.01	B	mg/L	0.01	0.05	0.01*	0.01	0.01	0.01
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/14/15	L24525-07	ACZ	07/15/15	20:12	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/14/15	L24525-07	ACZ	07/15/15	20:12	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/14/15	L24525-07	ACZ	07/15/15	20:12	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/14/15	L24525-07	ACZ	07/15/15	20:12	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/14/15	L24525-07	ACZ	07/16/15	20:15	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002					

Hole ID	Composi e Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/21/15	L24525-08	ACZ	07/22/15	20:54	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.048		mg/L	0.003	0.02	0.048	0.048	0.048	0.048
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/21/15	L24525-08	ACZ	07/22/15	20:54	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/21/15	L24525-08	ACZ	07/22/15	20:54	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/21/15	L24525-08	ACZ	07/22/15	20:54	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	130		mg/L	0.1	0.5	130	130	130	130
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/21/15	L24525-08	ACZ	07/22/15	20:54	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/21/15	L24525-08	ACZ	07/22/15	20:54	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/21/15	L24525-08	ACZ	07/22/15	20:54	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/21/15	L24525-08	ACZ	07/22/15	20:54	Gallium, dissolved	7440-55-3	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/21/15	L24525-08	ACZ	07/22/15	20:54	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/21/15	L24525-08	ACZ	07/22/15	20:54	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate		U	mg/L	0.008	0.04	<0.008	-0.008	0.008	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/21/15	L24525-08	ACZ	07/22/15	20:54	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	2		mg/L	0.2	1	2	2	2	2
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/21/15	L24525-08	ACZ	07/22/15	20:54	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	1.49		mg/L	0.005	0.03	1.49	1.49	1.49	1.49
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/21/15	L24525-08	ACZ	07/22/15	20:54	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate		U	mg/L	0.008	0.04	<0.008	-0.008	0.008	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/21/15	L24525-08	ACZ	07/22/15	20:54	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	1.6		mg/L	0.2	1	1.6	1.6	1.6	1.6
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/21/15	L24525-08	ACZ	07/22/15	20:54	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/21/15	L24525-08	ACZ	07/22/15	20:54	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	0.5	B	mg/L	0.2	1	0.5*	0.5	0.5	0.5
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/21/15	L24525-08	ACZ	07/22/15	20:54	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	4.61		mg/L	0.005	0.03	4.61	4.61	4.61	4.61
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/21/15	L24525-08	ACZ	07/22/15	20:54	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/21/15	L24525-08	ACZ	07/22/15	20:54	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/21/15	L24525-08	ACZ	07/22/15	20:54	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/21/15	L24525-08	ACZ	07/22/15	20:54	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.02	B	mg/L	0.01	0.05	0.02*	0.02	0.02	0.02
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/21/15	L24525-08	ACZ	07/23/15	13:03	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/21/15	L24525-08	ACZ	07/23/15	17:02	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/21/15	L24525-08	ACZ	07/23/15	18:08	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate		U	mg/L	0.00005	0.0003	<0.00005	-0.00005	0.00005	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/21/15	L24525-08	ACZ	07/24/15	11:35	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/21/15	L24525-08	ACZ	07/27/15	16:34	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/28/15	L24525-09	ACZ	07/27/15	10:27	Conductivity--Humidity Cell Test		SM2510B	Leachate	534		umhos/cm	1	10	534	534	534	534
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/28/15	L24525-09	ACZ	07/27/15	12:29	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	425		mv	1	1	425	425	425	425
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/28/15	L24525-09	ACZ	07/27/15	12:29	pH		M9045D/M9040C	Leachate	5.6		units	0.1	0.1	5.6	5.6	5.6	5.6
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/28/15	L24525-09	ACZ	07/27/15	12:29	pH measured at		M9045D/M9040C	Leachate	21.1		C	0.1	0.1	21.1	21.1	21.1	21.1
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/28/15	L24525-09	ACZ	07/27/15	19:00	Interstitial Weight		D5744-12	Leachate	58		g			58	58	58	58
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/28/15	L24525-09	ACZ	07/27/15	19:00	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/28/15	L24525-09	ACZ	07/27/15	19:00	Leachate Volume Recovered		D5744-12	Leachate	928		g			928	928	928	928
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/28/15	L24525-09	ACZ	07/29/15	12:00	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/28/15	L24525-09	ACZ	07/29/15	12:00	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/28/15	L24525-09	ACZ	07/29/15	12:00	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.01	B	mg/L	0.01	0.05	0.01*	0.01	0.01	0.01
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/28/15	L24525-09	ACZ	07/29/15	13:53	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	246		mg/L	20	100	246	246	246	246
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/28/15	L24525-09	ACZ	07/29/15	20:51	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/28/15	L24525-09	ACZ	07/29/15	20:51	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/28/15	L24525-09	ACZ	07/29/15	20:51	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0007		mg/L	0.0001	0.0005	0.0007	0.0007	0.0007	0.0007
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/28/15	L24525-09	ACZ	07/29/15	22:00	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate	2	B	mg/L	2	20	2*	2	2	2
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/28/15	L24525-09	ACZ	07/29/15	22:00	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/28/15	L24525-09	ACZ	07/29/15	22:00	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/28/15	L24525-09	ACZ	07/29/15	22:00	Total Alkalinity	10093	SM2320B - Titration	Leachate	2	B	mg/L	2	20	2*	2	2	2
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	07/28/15	L24525-09	ACZ	08/05/15	10:41	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/04/15	L24525-10	ACZ	08/03/15	11:16	Conductivity--Humidity Cell Test		SM2510B	Leachate	411		umhos/cm	1	10	411	411	411	411
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/04/15	L24525-10	ACZ	08/03/15	12:29	pH		M9045D/M9040C	Leachate	5.5		units	0.1	0.1	5.5	5.5	5.5	5.5
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/04/15	L24525-10	ACZ	08/03/15	12:29	pH measured at		M9045D/M9040C	Leachate	21.5		C	0.1	0.1	21.5	21.5	21.5	21.5
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/04/15	L24525-10	ACZ	08/03/15	12:48	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	438		mv	1	1	438	438	438	438
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/04/15	L24525-10	ACZ	08/03/15	19:00	Interstitial Weight		D5744-12	Leachate	127		g			127	127	127	127
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/04/15	L24525-10	ACZ	08/03/15	19:00	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000</

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/11/15	L24525-11	ACZ	08/12/15	18:19	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0007		mg/L	0.0001	0.0005	0.0007	0.0007	0.0007	0.0007
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/11/15	L24525-11	ACZ	08/12/15	19:56	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/11/15	L24525-11	ACZ	08/12/15	19:56	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.02	B	mg/L	0.01	0.05	0.02*	0.02	0.02	0.02
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/11/15	L24525-11	ACZ	08/13/15	14:49	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/11/15	L24525-11	ACZ	08/14/15	19:58	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/11/15	L24525-11	ACZ	08/14/15	19:58	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/11/15	L24525-11	ACZ	08/14/15	19:58	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/11/15	L24525-11	ACZ	08/14/15	19:58	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/11/15	L24525-11	ACZ	08/19/15	11:20	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/18/15	L24525-12	ACZ	08/17/15	09:55	pH		M9045D/M9040C	Leachate	5.9		units	0.1	0.1	5.9	5.9	5.9	5.9
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/18/15	L24525-12	ACZ	08/17/15	09:55	pH measured at		M9045D/M9040C	Leachate	21.4		C	0.1	0.1	21.4	21.4	21.4	21.4
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/18/15	L24525-12	ACZ	08/17/15	11:16	Conductivity--Humidity Cell Test		SM2510B	Leachate	483		umhos/cm	1	10	483	483	483	483
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/18/15	L24525-12	ACZ	08/17/15	12:48	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	415		mv	1	1	415	415	415	415
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/18/15	L24525-12	ACZ	08/17/15	19:00	Interstitial Weight		D5744-12	Leachate	68		g			68	68	68	68
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/18/15	L24525-12	ACZ	08/17/15	19:00	Bicarbonate as CaCO3		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/18/15	L24525-12	ACZ	08/17/15	19:00	Leachate Volume Recovered		D5744-12	Leachate	913		g			913	913	913	913
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/18/15	L24525-12	ACZ	08/19/15	11:37	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/18/15	L24525-12	ACZ	08/19/15	11:37	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/18/15	L24525-12	ACZ	08/19/15	11:37	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0008		mg/L	0.0001	0.0005	0.0008	0.0008	0.0008	0.0008
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/18/15	L24525-12	ACZ	08/19/15	21:12	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/18/15	L24525-12	ACZ	08/19/15	21:12	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/18/15	L24525-12	ACZ	08/19/15	21:12	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/18/15	L24525-12	ACZ	08/19/15	21:12	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/18/15	L24525-12	ACZ	08/20/15	12:10	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	202		mg/L	20	100	202	202	202	202
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/18/15	L24525-12	ACZ	08/26/15	16:29	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/18/15	L24525-12	ACZ	08/26/15	16:29	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/18/15	L24525-12	ACZ	08/26/15	16:29	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.01	B	mg/L	0.01	0.05	0.01*	0.01	0.01	0.01
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/18/15	L24525-12	ACZ	08/27/15	13:19	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/25/15	L24525-13	ACZ	08/24/15	11:00	Conductivity--Humidity Cell Test		SM2510B	Leachate	451		umhos/cm	1	10	451	451	451	451
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/25/15	L24525-13	ACZ	08/24/15	11:56	pH		M9045D/M9040C	Leachate	5.9		units	0.1	0.1	5.9	5.9	5.9	5.9
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/25/15	L24525-13	ACZ	08/24/15	11:56	pH measured at		M9045D/M9040C	Leachate	21		C	0.1	0.1	21	21	21	21
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/25/15	L24525-13	ACZ	08/24/15	12:30	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	389		mv	1	1	389	389	389	389
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/25/15	L24525-13	ACZ	08/24/15	17:54	Interstitial Weight		D5744-12	Leachate	73		g			73	73	73	73
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/25/15	L24525-13	ACZ	08/24/15	17:54	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/25/15	L24525-13	ACZ	08/24/15	17:54	Leachate Volume Recovered		D5744-12	Leachate	909		g			909	909	909	909
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/25/15	L24525-13	ACZ	08/26/15	17:25	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/25/15	L24525-13	ACZ	08/26/15	17:25	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/25/15	L24525-13	ACZ	08/26/15	17:25	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0008		mg/L	0.0001	0.0005	0.0008	0.0008	0.0008	0.0008
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/25/15	L24525-13	ACZ	08/26/15	18:46	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/25/15	L24525-13	ACZ	08/26/15	18:46	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/25/15	L24525-13	ACZ	08/26/15	18:46	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.01	B	mg/L	0.01	0.05	0.01*	0.01	0.01	0.01
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/25/15	L24525-13	ACZ	08/27/15	13:48	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	185		mg/L	20	100	185	185	185	185
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/25/15	L24525-13	ACZ	09/02/15	19:46	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/25/15	L24525-13	ACZ	09/02/15	19:46	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/25/15	L24525-13	ACZ	09/02/15	19:46	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/25/15	L24525-13	ACZ	09/02/15	19:46	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	08/25/15	L24525-13	ACZ	09/08/15	14:48	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/01/15	L24525-14	ACZ	08/31/15	10:42	Interstitial Weight		D5744-12	Leachate	66		g			66	66	66	66
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/01/15	L24525-14	ACZ	08/31/15	10:42	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/01/15	L24525-14	ACZ	08/31/15	10:42	Leachate Volume Recovered		D5744-12	Leachate	980		g			980	980	980	980
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/01/15	L24525-14	ACZ	09/01/15	11:00	Conductivity--Humidity Cell Test		SM2510B	Leachate	413		umhos/cm	1	10	413	413	413	413
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/01/15	L24525-14	ACZ	09/01/15	11:56	pH		M9045D/M9040C	Leachate	5.7		units	0.1	0.1	5.7	5.7	5.7	5.

Hole ID	Composi e Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/01/15	L24525-14	ACZ	09/04/15	22:13	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	1.81		mg/L	0.005	0.03	1.81	1.81	1.81	1.81
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/01/15	L24525-14	ACZ	09/04/15	22:13	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/01/15	L24525-14	ACZ	09/04/15	22:13	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate		U	mg/L	0.008	0.04	<0.008	-0.008	0.008	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/01/15	L24525-14	ACZ	09/04/15	22:13	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	0.9	B	mg/L	0.2	1	0.9*	0.9	0.9	0.9
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/01/15	L24525-14	ACZ	09/04/15	22:13	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/01/15	L24525-14	ACZ	09/04/15	22:13	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/01/15	L24525-14	ACZ	09/04/15	22:13	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	0.2	B	mg/L	0.2	1	0.2*	0.2	0.2	0.2
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/01/15	L24525-14	ACZ	09/04/15	22:13	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	2.49		mg/L	0.005	0.03	2.49	2.49	2.49	2.49
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/01/15	L24525-14	ACZ	09/04/15	22:13	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/01/15	L24525-14	ACZ	09/04/15	22:13	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/01/15	L24525-14	ACZ	09/04/15	22:13	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.02	B	mg/L	0.01	0.05	0.02*	0.02	0.02	0.02
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/01/15	L24525-14	ACZ	09/05/15	10:00	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/01/15	L24525-14	ACZ	09/08/15	15:05	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/01/15	L24525-14	ACZ	09/10/15	01:22	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/01/15	L24525-14	ACZ	09/10/15	01:22	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/01/15	L24525-14	ACZ	09/10/15	01:22	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/01/15	L24525-14	ACZ	09/10/15	01:22	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/01/15	L24525-14	ACZ	09/29/15	13:35	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/08/15	L24525-15	ACZ	09/07/15	11:00	Conductivity--Humidity Cell Test		SM2510B	Leachate	408		umhos/cm	1	10	408	408	408	408
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/08/15	L24525-15	ACZ	09/07/15	11:56	pH		M9045D/M9040C	Leachate	5.8		units	0.1	0.1	5.8	5.8	5.8	5.8
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/08/15	L24525-15	ACZ	09/07/15	11:56	pH measured at		M9045D/M9040C	Leachate	20.8		C	0.1	0.1	20.8	20.8	20.8	20.8
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/08/15	L24525-15	ACZ	09/07/15	12:30	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	484		mv	1	1	484	484	484	484
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/08/15	L24525-15	ACZ	09/07/15	17:54	Interstitial Weight		D5744-12	Leachate	54		g			54	54	54	54
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/08/15	L24525-15	ACZ	09/07/15	17:54	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/08/15	L24525-15	ACZ	09/07/15	17:54	Leachate Volume Recovered		D5744-12	Leachate	925		g			925	925	925	925
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/08/15	L24525-15	ACZ	09/10/15	01:30	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/08/15	L24525-15	ACZ	09/10/15	01:30	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/08/15	L24525-15	ACZ	09/10/15	01:30	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/08/15	L24525-15	ACZ	09/10/15	01:30	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/08/15	L24525-15	ACZ	09/10/15	12:58	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	192		mg/L	5	25	192	192	192	192
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/08/15	L24525-15	ACZ	09/11/15	12:28	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/08/15	L24525-15	ACZ	09/11/15	12:28	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/08/15	L24525-15	ACZ	09/11/15	12:28	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0012		mg/L	0.0001	0.0005	0.0012	0.0012	0.0012	0.0012
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/08/15	L24525-15	ACZ	09/15/15	10:55	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/08/15	L24525-15	ACZ	09/15/15	10:55	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/08/15	L24525-15	ACZ	09/15/15	10:55	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.02	B	mg/L	0.01	0.05	0.02*	0.02	0.02	0.02
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/08/15	L24525-15	ACZ	09/16/15	12:54	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/15/15	L24525-16	ACZ	09/14/15	11:00	Conductivity--Humidity Cell Test		SM2510B	Leachate	370		umhos/cm	1	10	370	370	370	370
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/15/15	L24525-16	ACZ	09/14/15	11:56	pH		M9045D/M9040C	Leachate	5.9		units	0.1	0.1	5.9	5.9	5.9	5.9
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/15/15	L24525-16	ACZ	09/14/15	11:56	pH measured at		M9045D/M9040C	Leachate	20.4		C	0.1	0.1	20.4	20.4	20.4	20.4
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/15/15	L24525-16	ACZ	09/14/15	12:12	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	307		mv	1	1	307	307	307	307
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/15/15	L24525-16	ACZ	09/14/15	17:54	Interstitial Weight		D5744-12	Leachate	55		g			55	55	55	55
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/15/15	L24525-16	ACZ	09/14/15	17:54	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/15/15	L24525-16	ACZ	09/14/15	17:54	Leachate Volume Recovered		D5744-12	Leachate	926		g			926	926	926	926
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/15/15	L24525-16	ACZ	09/17/15	11:25	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	166		mg/L	5	25	166	166	166	166
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/15/15	L24525-16	ACZ	09/17/15	18:10	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/15/15	L24525-16	ACZ	09/17/15	18:10	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/15/15	L24525-16	ACZ	09/17/15	18:10	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0011		mg/L	0.0001	0.0005	0.0011	0.0011	0.0011	0.0011
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/15/15	L24525-16	ACZ	09/18/15	21:13	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/15/15	L24525-16	ACZ	09/18/15	21:13	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/15/15	L24525-16	ACZ	09/18/15	21:13	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.02	B	mg/L	0.01	0.05	0.02*	0.02	0.02	0.02
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC																		

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/22/15	L24525-17	ACZ	09/29/15	13:00	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/29/15	L24525-18	ACZ			Alkalinity as CaCO3		No Data!		0					0	0	0	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/29/15	L24525-18	ACZ			Arsenic, dissolved		WG391543		0					0	0	0	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/29/15	L24525-18	ACZ			Cadmium, dissolved		WG391543		0					0	0	0	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/29/15	L24525-18	ACZ			Copper, dissolved		No Data!		0					0	0	0	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/29/15	L24525-18	ACZ			End of leach volumes and mass		No Data!		0					0	0	0	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/29/15	L24525-18	ACZ			Iron, dissolved		No Data!		0					0	0	0	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/29/15	L24525-18	ACZ			Lead, dissolved		WG391543		0					0	0	0	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/29/15	L24525-18	ACZ			Sulfate		No Data!		0					0	0	0	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/29/15	L24525-18	ACZ			Zinc, dissolved		No Data!		0					0	0	0	0
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/29/15	L24525-18	ACZ	09/28/15	11:00	Conductivity--Humidity Cell Test		WG391407	Leachate	365		umhos/cm	1	10	365	365	365	365
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/29/15	L24525-18	ACZ	09/28/15	11:56	pH		WG391404	Leachate	5.8		units	0.1	0.1	5.8	5.8	5.8	5.8
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/29/15	L24525-18	ACZ	09/28/15	11:56	pH measured at		WG391404	Leachate	19.3		C	0.1	0.1	19.3	19.3	19.3	19.3
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/29/15	L24525-18	ACZ	09/28/15	12:12	Oxidation Reduction Potential (Eh)		WG391443	Leachate	441		mv	1	1	441	441	441	441
CPC14-3	Kinetic	HCT	CPC14-3/1800-2600/Kinetic	CPC14-3/1800-2600/KI	09/29/15	L24525-18	ACZ	10/01/15	13:43	Acidity as CaCO3		WG391508	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L24916-01	ACZ			Humidity Cell Test		WG386274		0					0	0	0	0
CPC14-3	Kinetic	Grain Size	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L24916-01	ACZ	06/17/15	13:00	Sieve- 63 um (230 mesh)		ASA No.9, 15-4.2.2	Soil	2.4		% Passing	0.1	0.5	2.4	2.4	2.4	2.4
CPC14-3	Kinetic	Grain Size	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L24916-01	ACZ	06/17/15	13:00	Sieve- 125 um (120 mesh)		ASA No.9, 15-4.2.2	Soil	4.1		% Passing	0.1	0.5	4.1	4.1	4.1	4.1
CPC14-3	Kinetic	Grain Size	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L24916-01	ACZ	06/17/15	13:00	Sieve- 250 um (60 mesh)		ASA No.9, 15-4.2.2	Soil	5.9		% Passing	0.1	0.5	5.9	5.9	5.9	5.9
CPC14-3	Kinetic	Grain Size	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L24916-01	ACZ	06/17/15	13:00	Sieve- 500 um (35 mesh)		ASA No.9, 15-4.2.2	Soil	9		% Passing	0.1	0.5	9	9	9	9
CPC14-3	Kinetic	Grain Size	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L24916-01	ACZ	06/17/15	13:00	Sieve- 850 um (20 mesh)		ASA No.9, 15-4.2.2	Soil	13.1		% Passing	0.1	0.5	13.1	13.1	13.1	13.1
CPC14-3	Kinetic	Grain Size	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L24916-01	ACZ	06/17/15	13:00	Sieve- 2000 um (2.0 mm)		ASA No.9, 15-4.2.2	Soil	24.4		% Passing	0.1	0.5	24.4	24.4	24.4	24.4
CPC14-3	Kinetic	Grain Size	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L24916-01	ACZ	06/17/15	13:00	Sieve- 4000 um (4.0mm)		ASA No.9, 15-4.2.2	Soil	51		% Passing	0.1	0.5	51	51	51	51
CPC14-3	Kinetic	Carbon Forms	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L24916-01	ACZ	06/19/15	15:00	Carbon, total (TC)		ASA No.9 29-2.2.4 Co	Soil	0.1	B	%	0.1	0.5	0.1*	0.1	0.1	0.1
CPC14-3	Kinetic	Carbon Forms	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L24916-01	ACZ	06/19/15	15:00	Carbon, total inorganic (TIC)		ASA No. 9 29-2.2.4 (	Soil	0.1	B	%	0.1	0.5	0.1*	0.1	0.1	0.1
CPC14-3	Kinetic	Carbon Forms	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L24916-01	ACZ	06/19/15	15:00	Carbon, total organic (TOC)	10355	ASA No.9 29-2.2.4 Co	Soil		U	%	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	Sulfur Forms	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L24916-01	ACZ	06/19/15	15:00	Sulfur HCl Residue		M600/2-78-054 3.2.4-	Soil	2.35		%	0.01	0.1	2.35	2.35	2.35	2.35
CPC14-3	Kinetic	Sulfur Forms	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L24916-01	ACZ	06/19/15	15:00	Sulfur HNO3 Residue		M600/2-78-054 3.2.4-	Soil	0.1		%	0.01	0.1	0.1	0.1	0.1	0.1
CPC14-3	Kinetic	Sulfur Forms	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L24916-01	ACZ	06/19/15	15:00	Sulfur Organic Residual		M600/2-78-054 3.2.4-	Soil	0.1		%	0.01	0.1	0.1	0.1	0.1	0.1
CPC14-3	Kinetic	Sulfur Forms	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L24916-01	ACZ	06/19/15	15:00	Sulfur Pyritic Sulfide		M600/2-78-054 3.2.4-	Soil	2.25		%	0.01	0.1	2.25	2.25	2.25	2.25
CPC14-3	Kinetic	Sulfur Forms	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L24916-01	ACZ	06/19/15	15:00	Sulfur Sulfate		M600/2-78-054 3.2.4-	Soil	3.02		%	0.01	0.1	3.02	3.02	3.02	3.02
CPC14-3	Kinetic	Sulfur Forms	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L24916-01	ACZ	06/19/15	15:00	Sulfur Total		M600/2-78-054 3.2.4-	Soil	5.37		%	0.01	0.1	5.37	5.37	5.37	5.37
CPC14-3	Kinetic	Sulfur Forms	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L24916-01	ACZ	06/19/15	15:00	Total Sulfur minus Sulfate		M600/2-78-054 3.2.4-	Soil	2.35		%	0.01	0.1	2.35	2.35	2.35	2.35
CPC14-3	Kinetic	NAG	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L24916-01	ACZ	06/23/15	16:00	NAG		Single NAG - EGI 200	Soil	51		Kg H2SO4/t	1	1	51	51	51	51
CPC14-3	Kinetic	NAG	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L24916-01	ACZ	06/23/15	16:00	pH After Oxidation		Single NAG - EGI 200	Soil	2.3		units	0.1	0.1	2.3	2.3	2.3	2.3
CPC14-3	Kinetic	ABA	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L24916-01	ACZ	07/01/15	15:50	Neutralization Potential as CaCO3		M600/2-78-054 3.2.3	Soil	1		%	0.1	0.5	1	1	1	1
CPC14-3	Kinetic	ABA	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L24916-01	ACZ	10/13/15	15:11	Acid Generation Potential (calc on Sulfur total)		M600/2-78-054 3.2.4	Soil	167.8125		t CaCO3/Kt	0.31	3.1	167.8125	167.8125	167.8125	167.8125
CPC14-3	Kinetic	ABA	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L24916-01	ACZ	10/13/15	15:11	Acid Neutralization Potential (calc)		M600/2-78-054 1.3	Soil	10		t CaCO3/Kt	1	5	10	10	10	10
CPC14-3	Kinetic	ABA	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/11/15	L24916-01	ACZ	10/13/15	15:11	Acid-Base Potential (calc on Sulfur total)		M600/2-78-054 1.3	Soil	-158		t CaCO3/Kt			-158	-158	158	-158
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/24/15	L24916-02	ACZ	06/22/15	15:50	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	379		mv	1	1	379	379	379	379
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/24/15	L24916-02	ACZ	06/22/15	16:00	Conductivity--Humidity Cell Test		SM2510B	Leachate	1520		umhos/cm	1	10	1520	1520	1520	1520
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/24/15	L24916-02	ACZ	06/22/15	16:18	pH		M9045D/M9040C	Leachate	6.6		units	0.1	0.1	6.6	6.6	6.6	6.6
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/24/15	L24916-02	ACZ	06/22/15	16:18	pH measured at		M9045D/M9040C	Leachate	21		C	0.1	0.1	21	21	21	21
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/24/15	L24916-02	ACZ	06/24/15	19:20	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Leachate	0.0009	B	mg/L	0.0004	0.002	0.0009*	0.0009	0.0009	0.0009
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/24/15	L24916-02	ACZ	06/24/15	19:20	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.001		mg/L	0.0002	0.001	0.001	0.001	0.001	0.001
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/24/15	L24916-02	ACZ	06/24/15	19:20	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0003	B	mg/L	0.0001	0.0005	0.0003*	0.0003	0.0003	0.0003
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/24/15	L24916-02	ACZ	06/24/15	19:20	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0007		mg/L	0.0001	0.0005	0.0007	0.0007	0.0007	0.0007
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/24/15	L24916-02	ACZ	06/24/15	19:20	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Leachate	0.0005		mg/L	0.0001	0.0003	0.0005	0.0005	0.0005	0.0005
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/24/15	L24916-02	ACZ	06/24/15	19:20	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Leachate	0.0001	B	mg/L	0.0001	0.0005	0.0001*	0.0001	0.0001	0.0001
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/24/15	L24916-02	ACZ	06/25/15	11:03	Acidity as CaCO3		SM2310B - Titration	Leachate	10	B	mg/L	10	20	10*	10	10	10
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/24/15	L24916-02	ACZ	06/25/15	21:33	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate	5	B	mg/L	2	20	5*	5	5	5
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/24/15	L24916-02	ACZ	06/25/15	21:33	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/24/15	L24916-02	ACZ	06/25/15	21:33	Hydroxide as CaCO3		SM2320B - Titration	Leachate									

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/24/15	L24916-02	ACZ	06/25/15	22:07	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/24/15	L24916-02	ACZ	06/25/15	22:07	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/24/15	L24916-02	ACZ	06/25/15	22:07	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/24/15	L24916-02	ACZ	06/25/15	22:07	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.02	B	mg/L	0.01	0.05	0.02*	0.02	0.02	0.02
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/24/15	L24916-02	ACZ	06/25/15	22:29	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate	0.00011	B	mg/L	0.00005	0.0003	0.00011*	0.00011	0.00011	0.00011
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/24/15	L24916-02	ACZ	06/26/15	12:26	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	915		mg/L	25	125	915	915	915	915
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/24/15	L24916-02	ACZ	06/26/15	12:57	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/24/15	L24916-02	ACZ	07/02/15	13:15	Interstitial Weight		D5744-12	Leachate	73		g			73	73	73	73
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/24/15	L24916-02	ACZ	07/02/15	13:15	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/24/15	L24916-02	ACZ	07/02/15	13:15	Leachate Volume Recovered		D5744-12	Leachate	926		g			926	926	926	926
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	06/29/15	15:40	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	473		mv	1	1	473	473	473	473
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	06/29/15	15:51	Conductivity--Humidity Cell Test		SM2510B	Leachate	1420		umhos/cm	1	10	1420	1420	1420	1420
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	06/29/15	16:12	pH		M9045D/M9040C	Leachate	5.8		units	0.1	0.1	5.8	5.8	5.8	5.8
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	06/29/15	16:12	pH measured at		M9045D/M9040C	Leachate	22		C	0.1	0.1	22	22	22	22
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/01/15	22:09	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate	2.7	B	mg/L	2	20	2.7*	2.7	2.7	2.7
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/01/15	22:09	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/01/15	22:09	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/01/15	22:09	Total Alkalinity	10093	SM2320B - Titration	Leachate	2.7	B	mg/L	2	20	2.7*	2.7	2.7	2.7
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/01/15	22:47	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Leachate		U	mg/L	0.0004	0.002	<0.0004	-0.0004	0.0004	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/01/15	22:47	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0007	B	mg/L	0.0002	0.001	0.0007*	0.0007	0.0007	0.0007
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/01/15	22:47	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate	0.00015	B	mg/L	0.00005	0.0003	0.00015*	0.00015	0.00015	0.00015
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/01/15	22:47	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0002	B	mg/L	0.0001	0.0005	0.0002*	0.0002	0.0002	0.0002
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/01/15	22:47	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0022		mg/L	0.0001	0.0005	0.0022	0.0022	0.0022	0.0022
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/01/15	22:47	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Leachate	0.0006		mg/L	0.0001	0.0003	0.0006	0.0006	0.0006	0.0006
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/01/15	22:47	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Leachate		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/02/15	10:00	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/02/15	10:28	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/02/15	12:01	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate		U	mg/L	0.03	0.2	<0.03	-0.03	0.03	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/02/15	12:01	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.019	B	mg/L	0.003	0.02	0.019*	0.019	0.019	0.019
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/02/15	12:01	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/02/15	12:01	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	302		mg/L	0.1	0.5	302	302	302	302
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/02/15	12:01	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/02/15	12:01	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/02/15	12:01	Gallium, dissolved	7440-55-3	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/02/15	12:01	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/02/15	12:01	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate	0.017	B	mg/L	0.008	0.04	0.017*	0.017	0.017	0.017
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/02/15	12:01	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	4.2		mg/L	0.2	1	4.2	4.2	4.2	4.2
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/02/15	12:01	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	0.391		mg/L	0.005	0.03	0.391	0.391	0.391	0.391
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/02/15	12:01	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/02/15	12:01	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate		U	mg/L	0.008	0.04	<0.008	-0.008	0.008	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/02/15	12:01	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	2.9		mg/L	0.2	1	2.9	2.9	2.9	2.9
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/02/15	12:01	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/02/15	12:01	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	10.5		mg/L	0.2	1	10.5	10.5	10.5	10.5
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/02/15	12:01	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	3.73		mg/L	0.005	0.03	3.73	3.73	3.73	3.73
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/02/15	12:01	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/02/15	12:01	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/02/15	12:01	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/02/15	13:28	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	874		mg/L	50	250	874	874	874	874
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/02/15	13:35	Interstitial Weight		D5744-12	Leachate	58		g			58	58	58	58
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	06/30/15	L24916-03	ACZ	07/02/15	13:35	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	C																			

Hole ID	Composi e Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/14/15	L24916-05	ACZ	07/13/15	13:21	Conductivity--Humidity Cell Test		SM2510B	Leachate	1380		umhos/cm	1	10	1380	1380	1380	1380
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/14/15	L24916-05	ACZ	07/13/15	14:00	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	354		mv	1	1	354	354	354	354
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/14/15	L24916-05	ACZ	07/13/15	14:08	pH		M9045D/M9040C	Leachate	5.8		units	0.1	0.1	5.8	5.8	5.8	5.8
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/14/15	L24916-05	ACZ	07/13/15	14:08	pH measured at		M9045D/M9040C	Leachate	22.3		C	0.1	0.1	22.3	22.3	22.3	22.3
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/14/15	L24916-05	ACZ	07/14/15	02:20	Interstitial Weight		D5744-12	Leachate	61		g			61	61	61	61
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/14/15	L24916-05	ACZ	07/14/15	02:20	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/14/15	L24916-05	ACZ	07/14/15	02:20	Leachate Volume Recovered		D5744-12	Leachate	925		g			925	925	925	925
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/14/15	L24916-05	ACZ	07/15/15	13:11	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	738		mg/L	100	500	738	738	738	738
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/14/15	L24916-05	ACZ	07/15/15	15:42	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/14/15	L24916-05	ACZ	07/15/15	15:42	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate	0.02	B	mg/L	0.02	0.05	0.02*	0.02	0.02	0.02
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/14/15	L24916-05	ACZ	07/15/15	15:42	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/14/15	L24916-05	ACZ	07/15/15	21:27	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate	4.4	B	mg/L	2	20	4.4*	4.4	4.4	4.4
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/14/15	L24916-05	ACZ	07/15/15	21:27	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/14/15	L24916-05	ACZ	07/15/15	21:27	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/14/15	L24916-05	ACZ	07/15/15	21:27	Total Alkalinity	10093	SM2320B - Titration	Leachate	4.4	B	mg/L	2	20	4.4*	4.4	4.4	4.4
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/14/15	L24916-05	ACZ	07/16/15	20:21	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0002	B	mg/L	0.0002	0.001	0.0002*	0.0002	0.0002	0.0002
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/14/15	L24916-05	ACZ	07/16/15	20:21	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0002	B	mg/L	0.0001	0.0005	0.0002*	0.0002	0.0002	0.0002
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/14/15	L24916-05	ACZ	07/16/15	20:21	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0034		mg/L	0.0001	0.0005	0.0034	0.0034	0.0034	0.0034
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/14/15	L24916-05	ACZ	07/24/15	12:30	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/21/15	L24916-06	ACZ	07/20/15	12:54	Conductivity--Humidity Cell Test		SM2510B	Leachate	1330		umhos/cm	1	10	1330	1330	1330	1330
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/21/15	L24916-06	ACZ	07/20/15	13:47	pH		M9045D/M9040C	Leachate	5.8		units	0.1	0.1	5.8	5.8	5.8	5.8
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/21/15	L24916-06	ACZ	07/20/15	13:47	pH measured at		M9045D/M9040C	Leachate	22.4		C	0.1	0.1	22.4	22.4	22.4	22.4
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/21/15	L24916-06	ACZ	07/20/15	14:00	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	349		mv	1	1	349	349	349	349
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/21/15	L24916-06	ACZ	07/21/15	02:20	Interstitial Weight		D5744-12	Leachate	47		g			47	47	47	47
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/21/15	L24916-06	ACZ	07/21/15	02:20	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/21/15	L24916-06	ACZ	07/21/15	02:20	Leachate Volume Recovered		D5744-12	Leachate	1011		g			1011	1011	1011	1011
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/21/15	L24916-06	ACZ	07/22/15	11:39	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0004	B	mg/L	0.0002	0.001	0.0004*	0.0004	0.0004	0.0004
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/21/15	L24916-06	ACZ	07/22/15	11:39	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0001	B	mg/L	0.0001	0.0005	0.0001*	0.0001	0.0001	0.0001
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/21/15	L24916-06	ACZ	07/22/15	11:39	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0022		mg/L	0.0001	0.0005	0.0022	0.0022	0.0022	0.0022
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/21/15	L24916-06	ACZ	07/22/15	12:28	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	756		mg/L	20	100	756	756	756	756
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/21/15	L24916-06	ACZ	07/22/15	19:31	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate	3	B	mg/L	2	20	3*	3	3	3
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/21/15	L24916-06	ACZ	07/22/15	19:31	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/21/15	L24916-06	ACZ	07/22/15	19:31	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/21/15	L24916-06	ACZ	07/22/15	19:31	Total Alkalinity	10093	SM2320B - Titration	Leachate	3	B	mg/L	2	20	3*	3	3	3
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/21/15	L24916-06	ACZ	07/22/15	21:00	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/21/15	L24916-06	ACZ	07/22/15	21:00	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/21/15	L24916-06	ACZ	07/22/15	21:00	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/21/15	L24916-06	ACZ	07/24/15	12:44	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/28/15	L24916-07	ACZ	07/27/15	12:05	Conductivity--Humidity Cell Test		SM2510B	Leachate	1210		umhos/cm	1	10	1210	1210	1210	1210
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/28/15	L24916-07	ACZ	07/27/15	13:47	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	479		mv	1	1	479	479	479	479
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/28/15	L24916-07	ACZ	07/27/15	13:47	pH		M9045D/M9040C	Leachate	5.7		units	0.1	0.1	5.7	5.7	5.7	5.7
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/28/15	L24916-07	ACZ	07/27/15	13:47	pH measured at		M9045D/M9040C	Leachate	20.4		C	0.1	0.1	20.4	20.4	20.4	20.4
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/28/15	L24916-07	ACZ	07/28/15	02:20	Interstitial Weight		D5744-12	Leachate	45		g			45	45	45	45
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/28/15	L24916-07	ACZ	07/28/15	02:20	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/28/15	L24916-07	ACZ	07/28/15	02:20	Leachate Volume Recovered		D5744-12	Leachate	934		g			934	934	934	934
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/28/15	L24916-07	ACZ	07/29/15	12:06	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/28/15	L24916-07	ACZ	07/29/15	12:06	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/28/15	L24916-07	ACZ	07/29/15	12:06	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/28/15	L24916-07	ACZ	07/29/15	13:51	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	654		mg/L	50	250	654	654	654	654
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/28/15	L24916-07	ACZ	07/29/15	21:03	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/28/15	L24916-07	ACZ	07/29/15	21:03	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0001	B	mg/L	0.0001	0.0005	0.0001*	0.0001	0.0001	0.0001
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	07/28/15																	

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/04/15	L24916-08	ACZ	08/05/15	15:33	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/04/15	L24916-08	ACZ	08/05/15	15:33	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/04/15	L24916-08	ACZ	08/05/15	15:33	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	229		mg/L	0.1	0.5	229	229	229	229
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/04/15	L24916-08	ACZ	08/05/15	15:33	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/04/15	L24916-08	ACZ	08/05/15	15:33	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/04/15	L24916-08	ACZ	08/05/15	15:33	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/04/15	L24916-08	ACZ	08/05/15	15:33	Gallium, dissolved	7440-55-3	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/04/15	L24916-08	ACZ	08/05/15	15:33	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/04/15	L24916-08	ACZ	08/05/15	15:33	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate		U	mg/L	0.008	0.04	<0.008	-0.008	0.008	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/04/15	L24916-08	ACZ	08/05/15	15:33	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	1.2		mg/L	0.2	1	1.2	1.2	1.2	1.2
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/04/15	L24916-08	ACZ	08/05/15	15:33	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	0.4		mg/L	0.005	0.03	0.4	0.4	0.4	0.4
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/04/15	L24916-08	ACZ	08/05/15	15:33	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/04/15	L24916-08	ACZ	08/05/15	15:33	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate		U	mg/L	0.008	0.04	<0.008	-0.008	0.008	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/04/15	L24916-08	ACZ	08/05/15	15:33	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	1.3		mg/L	0.2	1	1.3	1.3	1.3	1.3
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/04/15	L24916-08	ACZ	08/05/15	15:33	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/04/15	L24916-08	ACZ	08/05/15	15:33	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/04/15	L24916-08	ACZ	08/05/15	15:33	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	0.6	B	mg/L	0.2	1	0.6*	0.6	0.6	0.6
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/04/15	L24916-08	ACZ	08/05/15	15:33	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	3.47		mg/L	0.005	0.03	3.47	3.47	3.47	3.47
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/04/15	L24916-08	ACZ	08/05/15	15:33	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/04/15	L24916-08	ACZ	08/05/15	15:33	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/04/15	L24916-08	ACZ	08/05/15	15:33	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/04/15	L24916-08	ACZ	08/05/15	15:33	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/04/15	L24916-08	ACZ	08/05/15	21:26	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/04/15	L24916-08	ACZ	08/05/15	21:26	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/04/15	L24916-08	ACZ	08/05/15	21:26	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/04/15	L24916-08	ACZ	08/05/15	21:26	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/04/15	L24916-08	ACZ	08/06/15	13:09	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	498		mg/L	50	250	498	498	498	498
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/04/15	L24916-08	ACZ	08/14/15	11:51	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/11/15	L24916-09	ACZ	08/10/15	12:54	Conductivity--Humidity Cell Test		SM2510B	Leachate	1060		umhos/cm	1	10	1060	1060	1060	1060
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/11/15	L24916-09	ACZ	08/10/15	13:47	pH		M9045D/M9040C	Leachate	6		units	0.1	0.1	6	6	6	6
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/11/15	L24916-09	ACZ	08/10/15	13:47	pH measured at		M9045D/M9040C	Leachate	20.6		C	0.1	0.1	20.6	20.6	20.6	20.6
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/11/15	L24916-09	ACZ	08/10/15	14:00	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	441		mv	1	1	441	441	441	441
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/11/15	L24916-09	ACZ	08/11/15	02:20	Interstitial Weight		D5744-12	Leachate	67		g			67	67	67	67
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/11/15	L24916-09	ACZ	08/11/15	02:20	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/11/15	L24916-09	ACZ	08/11/15	02:20	Leachate Volume Recovered		D5744-12	Leachate	913		g			913	913	913	913
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/11/15	L24916-09	ACZ	08/12/15	12:41	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	575		mg/L	50	250	575	575	575	575
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/11/15	L24916-09	ACZ	08/12/15	18:26	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/11/15	L24916-09	ACZ	08/12/15	18:26	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0001	B	mg/L	0.0001	0.0005	0.0001*	0.0001	0.0001	0.0001
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/11/15	L24916-09	ACZ	08/12/15	18:26	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0041		mg/L	0.0001	0.0005	0.0041	0.0041	0.0041	0.0041
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/11/15	L24916-09	ACZ	08/12/15	20:02	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/11/15	L24916-09	ACZ	08/12/15	20:02	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/11/15	L24916-09	ACZ	08/13/15	14:56	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/11/15	L24916-09	ACZ	08/14/15	20:14	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/11/15	L24916-09	ACZ	08/14/15	20:14	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/11/15	L24916-09	ACZ	08/14/15	20:14	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/11/15	L24916-09	ACZ	08/14/15	20:14	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/11/15	L24916-09	ACZ	08/19/15	11:52	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/18/15	L24916-10	ACZ	08/17/15	11:12	pH		M9045D/M9040C	Leachate	6.1		units	0.1	0.1	6.1	6.1	6.1	6.1
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/18/15	L24916-10	ACZ	08/17/15	11:12	pH measured at		M9045D/M9040C	Leachate	21.3		C	0.1	0.1	21.3	21.3	21.3	21.3
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/18/15	L24916-10	ACZ	08/17/15	12:54	Conductivity--Humidity Cell Test		SM2510B	Leachate	1050		umhos/cm	1	10	1050	1050	1050	1050
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/18/15	L24916-10	ACZ	08/17/15	14:00	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	449		mv	1	1	449	449	449	449
CPC14-3	Kinetic	HCT	CPC14-3/26																			

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/25/15	L24916-11	ACZ	08/26/15	17:38	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0001	B	mg/L	0.0001	0.0005	0.0001*	0.0001	0.0001	0.0001
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/25/15	L24916-11	ACZ	08/26/15	17:38	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0054		mg/L	0.0001	0.0005	0.0054	0.0054	0.0054	0.0054
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/25/15	L24916-11	ACZ	08/26/15	18:52	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/25/15	L24916-11	ACZ	08/26/15	18:52	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/25/15	L24916-11	ACZ	08/26/15	18:52	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/25/15	L24916-11	ACZ	08/27/15	13:48	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	528		mg/L	20	100	528	528	528	528
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/25/15	L24916-11	ACZ	09/02/15	20:02	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/25/15	L24916-11	ACZ	09/02/15	20:02	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/25/15	L24916-11	ACZ	09/02/15	20:02	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/25/15	L24916-11	ACZ	09/02/15	20:02	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	08/25/15	L24916-11	ACZ	09/08/15	15:55	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/01/15	L24916-12	ACZ	08/31/15	12:30	Interstitial Weight		D5744-12	Leachate	35		g			35	35	35	35
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/01/15	L24916-12	ACZ	08/31/15	12:30	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/01/15	L24916-12	ACZ	08/31/15	12:30	Leachate Volume Recovered		D5744-12	Leachate	942		g			942	942	942	942
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/01/15	L24916-12	ACZ	09/01/15	12:30	Conductivity--Humidity Cell Test		SM2510B	Leachate	878		umhos/cm	1	10	878	878	878	878
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/01/15	L24916-12	ACZ	09/01/15	13:03	pH		M9045D/M9040C	Leachate	6		units	0.1	0.1	6	6	6	6
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/01/15	L24916-12	ACZ	09/01/15	13:03	pH measured at		M9045D/M9040C	Leachate	19.9		C	0.1	0.1	19.9	19.9	19.9	19.9
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/01/15	L24916-12	ACZ	09/01/15	13:37	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	407		mv	1	1	407	407	407	407
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/01/15	L24916-12	ACZ	09/03/15	11:39	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	537		mg/L	20	100	537	537	537	537
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/01/15	L24916-12	ACZ	09/04/15	17:20	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/01/15	L24916-12	ACZ	09/04/15	17:20	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0001	B	mg/L	0.0001	0.0005	0.0001*	0.0001	0.0001	0.0001
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/01/15	L24916-12	ACZ	09/04/15	17:20	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0057		mg/L	0.0001	0.0005	0.0057	0.0057	0.0057	0.0057
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/01/15	L24916-12	ACZ	09/04/15	22:25	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/01/15	L24916-12	ACZ	09/04/15	22:25	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/01/15	L24916-12	ACZ	09/04/15	22:25	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/01/15	L24916-12	ACZ	09/08/15	16:12	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/01/15	L24916-12	ACZ	09/10/15	01:54	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/01/15	L24916-12	ACZ	09/10/15	01:54	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/01/15	L24916-12	ACZ	09/10/15	01:54	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/01/15	L24916-12	ACZ	09/10/15	01:54	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/08/15	L24916-13	ACZ	09/07/15	12:30	Conductivity--Humidity Cell Test		SM2510B	Leachate	908		umhos/cm	1	10	908	908	908	908
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/08/15	L24916-13	ACZ	09/07/15	13:03	pH		M9045D/M9040C	Leachate	6.1		units	0.1	0.1	6.1	6.1	6.1	6.1
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/08/15	L24916-13	ACZ	09/07/15	13:03	pH measured at		M9045D/M9040C	Leachate	20.7		C	0.1	0.1	20.7	20.7	20.7	20.7
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/08/15	L24916-13	ACZ	09/07/15	13:37	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	506		mv	1	1	506	506	506	506
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/08/15	L24916-13	ACZ	09/08/15	00:30	Interstitial Weight		D5744-12	Leachate	39		g			39	39	39	39
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/08/15	L24916-13	ACZ	09/08/15	00:30	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/08/15	L24916-13	ACZ	09/08/15	00:30	Leachate Volume Recovered		D5744-12	Leachate	937		g			937	937	937	937
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/08/15	L24916-13	ACZ	09/10/15	02:02	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/08/15	L24916-13	ACZ	09/10/15	02:02	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/08/15	L24916-13	ACZ	09/10/15	02:02	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/08/15	L24916-13	ACZ	09/10/15	02:02	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/08/15	L24916-13	ACZ	09/10/15	13:55	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	514		mg/L	20	100	514	514	514	514
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/08/15	L24916-13	ACZ	09/11/15	12:34	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/08/15	L24916-13	ACZ	09/11/15	12:34	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0001	B	mg/L	0.0001	0.0005	0.0001*	0.0001	0.0001	0.0001
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/08/15	L24916-13	ACZ	09/11/15	12:34	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0061		mg/L	0.0001	0.0005	0.0061	0.0061	0.0061	0.0061
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/08/15	L24916-13	ACZ	09/15/15	11:07	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/08/15	L24916-13	ACZ	09/15/15	11:07	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/08/15	L24916-13	ACZ	09/15/15	11:07	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/08/15	L24916-13	ACZ	09/16/15	13:26	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/15/15	L24916-14	ACZ	09/14/15	12:30	Conductivity--Humidity Cell Test		SM2510B	Leachate	912		umhos/cm	1	10	912	912	912	912
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/15/15	L24916-14	ACZ	09/14/15	13:03	pH		M9045D/M9040C	Leachate	6		units	0.1	0.1	6	6	6	6
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/15/15	L24916-14	ACZ	09/14/15	13:03	pH measured at		M9045D/M9040C	Le									

Hole ID	Composi e Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/15/15	L24916-14	ACZ	09/18/15	21:19	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	1.1		mg/L	0.2	1	1.1	1.1	1.1	1.1
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/15/15	L24916-14	ACZ	09/18/15	21:19	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	0.469		mg/L	0.005	0.03	0.469	0.469	0.469	0.469
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/15/15	L24916-14	ACZ	09/18/15	21:19	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/15/15	L24916-14	ACZ	09/18/15	21:19	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate		U	mg/L	0.008	0.04	<0.008	-0.008	0.008	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/15/15	L24916-14	ACZ	09/18/15	21:19	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	1.3		mg/L	0.2	1	1.3	1.3	1.3	1.3
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/15/15	L24916-14	ACZ	09/18/15	21:19	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/15/15	L24916-14	ACZ	09/18/15	21:19	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	0.3	B	mg/L	0.2	1	0.3*	0.3	0.3	0.3
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/15/15	L24916-14	ACZ	09/18/15	21:19	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	3.38		mg/L	0.005	0.03	3.38	3.38	3.38	3.38
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/15/15	L24916-14	ACZ	09/18/15	21:19	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/15/15	L24916-14	ACZ	09/18/15	21:19	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate	0.009	B	mg/L	0.005	0.03	0.009*	0.009	0.009	0.009
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/15/15	L24916-14	ACZ	09/18/15	21:19	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/15/15	L24916-14	ACZ	09/18/15	21:19	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/15/15	L24916-14	ACZ	09/19/15	14:03	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/15/15	L24916-14	ACZ	09/19/15	14:03	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/15/15	L24916-14	ACZ	09/23/15	21:59	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/15/15	L24916-14	ACZ	09/23/15	21:59	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/15/15	L24916-14	ACZ	09/23/15	21:59	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/15/15	L24916-14	ACZ	09/23/15	21:59	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/15/15	L24916-14	ACZ	09/25/15	12:12	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/15/15	L24916-14	ACZ	09/29/15	13:44	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate	0.0002	B	mg/L	0.0002	0.001	0.0002*	0.0002	0.0002	0.0002
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/22/15	L24916-15	ACZ	09/21/15	12:30	Conductivity--Humidity Cell Test		SM2510B	Leachate	852		umhos/cm	1	10	852	852	852	852
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/22/15	L24916-15	ACZ	09/21/15	12:30	Interstitial Weight		D5744-12	Leachate	34		g			34	34	34	34
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/22/15	L24916-15	ACZ	09/21/15	12:30	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/22/15	L24916-15	ACZ	09/21/15	12:30	Leachate Volume Recovered		D5744-12	Leachate	940		g			940	940	940	940
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/22/15	L24916-15	ACZ	09/21/15	13:03	pH		M9045D/M9040C	Leachate	6		units	0.1	0.1	6	6	6	6
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/22/15	L24916-15	ACZ	09/21/15	13:03	pH measured at		M9045D/M9040C	Leachate	19.9		C	0.1	0.1	19.9	19.9	19.9	19.9
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/22/15	L24916-15	ACZ	09/21/15	13:24	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	241		mv	1	1	241	241	241	241
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/22/15	L24916-15	ACZ	09/23/15	12:43	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/22/15	L24916-15	ACZ	09/23/15	12:43	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0001	B	mg/L	0.0001	0.0005	0.0001*	0.0001	0.0001	0.0001
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/22/15	L24916-15	ACZ	09/23/15	12:43	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0064		mg/L	0.0001	0.0005	0.0064	0.0064	0.0064	0.0064
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/22/15	L24916-15	ACZ	09/25/15	16:56	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/22/15	L24916-15	ACZ	09/25/15	16:56	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/22/15	L24916-15	ACZ	09/25/15	16:56	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/22/15	L24916-15	ACZ	09/28/15	11:39	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	475		mg/L	20	100	475	475	475	475
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/22/15	L24916-15	ACZ	09/28/15	14:49	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/22/15	L24916-15	ACZ	09/28/15	14:49	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/22/15	L24916-15	ACZ	09/28/15	14:49	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/22/15	L24916-15	ACZ	09/28/15	14:49	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/22/15	L24916-15	ACZ	09/29/15	13:28	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/29/15	L24916-16	ACZ	09/28/15	12:30	Conductivity--Humidity Cell Test		SM2510B	Leachate	837		umhos/cm	1	10	837	837	837	837
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/29/15	L24916-16	ACZ	09/28/15	12:30	Interstitial Weight		D5744-12	Leachate	33		g			33	33	33	33
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/29/15	L24916-16	ACZ	09/28/15	12:30	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/29/15	L24916-16	ACZ	09/28/15	12:30	Leachate Volume Recovered		D5744-12	Leachate	940		g			940	940	940	940
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/29/15	L24916-16	ACZ	09/28/15	13:03	pH		M9045D/M9040C	Leachate	6		units	0.1	0.1	6	6	6	6
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/29/15	L24916-16	ACZ	09/28/15	13:03	pH measured at		M9045D/M9040C	Leachate	19		C	0.1	0.1	19	19	19	19
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/29/15	L24916-16	ACZ	09/28/15	13:24	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	466		mv	1	1	466	466	466	466
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/29/15	L24916-16	ACZ	09/30/15	10:25	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/29/15	L24916-16	ACZ	10/01/15	15:10	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/29/15	L24916-16	ACZ	10/01/15	15:10	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0002	B	mg/L	0.0001	0.0005	0.0002*	0.0002	0.0002	0.0002
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/29/15	L24916-16	ACZ	10/01/15	15:10	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0075		mg/L	0.0001	0.0005	0.0075	0.0075	0.0075	0.0075
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	09/29/15	L24916-16	ACZ	10/02/15	10:05	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	483		mg/L	20	100	483	483	483	483
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI																		

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	10/06/15	L24916-17	ACZ	10/09/15	21:01	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	10/06/15	L24916-17	ACZ	10/09/15	21:01	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/2600-3400/Kinetic	CPC14-3/2600-3400/KI	10/06/15	L24916-17	ACZ	10/09/15	21:01	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	Grain Size	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24527-01	ACZ	06/08/15	17:00	Grain Size		D5744-12	Soil						0	0	0	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24527-01	ACZ	06/08/15	17:00	Sample Weight		D5744-12	Soil						0	0	0	0
CPC14-3	Kinetic	Grain Size	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24527-01	ACZ	06/09/15	16:00	Sieve- 63 um (230 mesh)		ASA No.9, 15-4.2.2	Soil	1.6		% Passing	0.1	0.5	1.6	1.6	1.6	1.6
CPC14-3	Kinetic	Grain Size	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24527-01	ACZ	06/09/15	16:00	Sieve- 125 um (120 mesh)		ASA No.9, 15-4.2.2	Soil	2.9		% Passing	0.1	0.5	2.9	2.9	2.9	2.9
CPC14-3	Kinetic	Grain Size	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24527-01	ACZ	06/09/15	16:00	Sieve- 250 um (60 mesh)		ASA No.9, 15-4.2.2	Soil	4.1		% Passing	0.1	0.5	4.1	4.1	4.1	4.1
CPC14-3	Kinetic	Grain Size	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24527-01	ACZ	06/09/15	16:00	Sieve- 500 um (35 mesh)		ASA No.9, 15-4.2.2	Soil	6.1		% Passing	0.1	0.5	6.1	6.1	6.1	6.1
CPC14-3	Kinetic	Grain Size	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24527-01	ACZ	06/09/15	16:00	Sieve- 850 um (20 mesh)		ASA No.9, 15-4.2.2	Soil	9.1		% Passing	0.1	0.5	9.1	9.1	9.1	9.1
CPC14-3	Kinetic	Grain Size	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24527-01	ACZ	06/09/15	16:00	Sieve- 2000 um (2.0 mm)		ASA No.9, 15-4.2.2	Soil	20.9		% Passing	0.1	0.5	20.9	20.9	20.9	20.9
CPC14-3	Kinetic	Grain Size	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24527-01	ACZ	06/09/15	16:00	Sieve- 4000 um (4.0mm)		ASA No.9, 15-4.2.2	Soil	42.9		% Passing	0.1	0.5	42.9	42.9	42.9	42.9
CPC14-3	Kinetic	Sulfur Forms	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24527-01	ACZ	06/12/15	18:44	Sulfur HCl Residue		M600/2-78-054 3.2.4-	Soil	2.74		%	0.01	0.1	2.74	2.74	2.74	2.74
CPC14-3	Kinetic	Sulfur Forms	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24527-01	ACZ	06/12/15	18:44	Sulfur HNO3 Residue		M600/2-78-054 3.2.4-	Soil	0.02	B	%	0.01	0.1	0.02*	0.02	0.02	0.02
CPC14-3	Kinetic	Sulfur Forms	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24527-01	ACZ	06/12/15	18:44	Sulfur Organic Residual		M600/2-78-054 3.2.4-	Soil	0.02	B	%	0.01	0.1	0.02*	0.02	0.02	0.02
CPC14-3	Kinetic	Sulfur Forms	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24527-01	ACZ	06/12/15	18:44	Sulfur Pyritic Sulfide		M600/2-78-054 3.2.4-	Soil	2.72		%	0.01	0.1	2.72	2.72	2.72	2.72
CPC14-3	Kinetic	Sulfur Forms	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24527-01	ACZ	06/12/15	18:44	Sulfur Sulfate		M600/2-78-054 3.2.4-	Soil	1.16		%	0.01	0.1	1.16	1.16	1.16	1.16
CPC14-3	Kinetic	Sulfur Forms	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24527-01	ACZ	06/12/15	18:44	Sulfur Total		M600/2-78-054 3.2.4-	Soil	3.9		%	0.01	0.1	3.9	3.9	3.9	3.9
CPC14-3	Kinetic	Sulfur Forms	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24527-01	ACZ	06/12/15	18:44	Total Sulfur minus Sulfate		M600/2-78-054 3.2.4-	Soil	2.74		%	0.01	0.1	2.74	2.74	2.74	2.74
CPC14-3	Kinetic	NAG	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24527-01	ACZ	06/13/15	13:00	NAG		Single NAG - EGI 200	Soil	35		Kg H2SO4/t	1	1	35	35	35	35
CPC14-3	Kinetic	NAG	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24527-01	ACZ	06/13/15	13:00	pH After Oxidation		Single NAG - EGI 200	Soil	2.5		units	0.1	0.1	2.5	2.5	2.5	2.5
CPC14-3	Kinetic	ABA	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24527-01	ACZ	06/15/15	03:34	Neutralization Potential as CaCO3		M600/2-78-054 3.2.3	Soil	3.5		%	0.1	0.5	3.5	3.5	3.5	3.5
CPC14-3	Kinetic	Carbon Forms	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24527-01	ACZ	06/15/15	11:20	Carbon, total (TC)		ASA No.9 29-2.2.4 Co	Soil	0.4	B	%	0.1	0.5	0.4*	0.4	0.4	0.4
CPC14-3	Kinetic	Carbon Forms	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24527-01	ACZ	06/15/15	11:20	Carbon, total inorganic (TIC)		ASA No. 9 29-2.2.4 (	Soil	0.4	B	%	0.1	0.5	0.4*	0.4	0.4	0.4
CPC14-3	Kinetic	Carbon Forms	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24527-01	ACZ	06/15/15	11:20	Carbon, total organic (TOC)	10355	ASA No.9 29-2.2.4 Co	Soil		U	%	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	ABA	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24527-01	ACZ	10/01/15	10:39	Acid Generation Potential (calc on Sulfur total)		M600/2-78-054 3.2.4	Soil	121.875		t CaCO3/Kt	0.31	3.1	121.875	121.875	121.875	121.875
CPC14-3	Kinetic	ABA	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24527-01	ACZ	10/01/15	10:39	Acid Neutralization Potential (calc)		M600/2-78-054 1.3	Soil	35		t CaCO3/Kt	1	5	35	35	35	35
CPC14-3	Kinetic	ABA	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	05/20/15	L24527-01	ACZ	10/01/15	10:39	Acid-Base Potential (calc on Sulfur total)		M600/2-78-054 1.3	Soil	-87		t CaCO3/Kt			-87	-87	87	-87
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/09/15	L24527-02	ACZ	06/08/15	16:54	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	432		mv	1	1	432	432	432	432
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/09/15	L24527-02	ACZ	06/08/15	17:00	Conductivity--Humidity Cell Test		SM2510B	Leachate	1450		umhos/cm	1	10	1450	1450	1450	1450
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/09/15	L24527-02	ACZ	06/08/15	17:20	pH		M9045D/M9040C	Leachate	6.5		units	0.1	0.1	6.5	6.5	6.5	6.5
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/09/15	L24527-02	ACZ	06/08/15	17:20	pH measured at		M9045D/M9040C	Leachate	20.3		C	0.1	0.1	20.3	20.3	20.3	20.3
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/09/15	L24527-02	ACZ	06/09/15	18:00	Interstitial Weight		D5744-12	Leachate	87		g			87	87	87	87
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/09/15	L24527-02	ACZ	06/09/15	18:00	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/09/15	L24527-02	ACZ	06/09/15	18:00	Leachate Volume Recovered		D5744-12	Leachate	911		g			911	911	911	911
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/09/15	L24527-02	ACZ	06/10/15	15:53	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	816		mg/L	50	250	816	816	816	816
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/09/15	L24527-02	ACZ	06/10/15	20:41	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate	17.4	B	mg/L	2	20	17.4*	17.4	17.4	17.4
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/09/15	L24527-02	ACZ	06/10/15	20:41	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/09/15	L24527-02	ACZ	06/10/15	20:41	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/09/15	L24527-02	ACZ	06/10/15	20:41	Total Alkalinity	10093	SM2320B - Titration	Leachate	17.4	B	mg/L	2	20	17.4*	17.4	17.4	17.4
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/09/15	L24527-02	ACZ	06/11/15	02:22	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Leachate	0.002		mg/L	0.0004	0.002	0.002	0.002	0.002	0.002
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/09/15	L24527-02	ACZ	06/11/15	02:22	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0017		mg/L	0.0002	0.001	0.0017	0.0017	0.0017	0.0017
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/09/15	L24527-02	ACZ	06/11/15	02:22	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate		U	mg/L	0.00005	0.0003	<0.00005	-0.00005	0.00005	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/09/15	L24527-02	ACZ	06/11/15	02:22	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/09/15	L24527-02	ACZ	06/11/15	02:22	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0002	B	mg/L	0.0001	0.0005	0.0002*	0.0002	0.0002	0.0002
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/09/15	L24527-02	ACZ	06/11/15	02:22	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Leachate	0.0007		mg/L	0.0001	0.0003	0.0007	0.0007	0.0007	0.0007
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/09/15	L24527-02	ACZ	06/11/15	02:22	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Leachate		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/09/15	L24527-02	ACZ	06/11/15	12:48	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/09/15	L24527-02	ACZ	06/11/15	16:38	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate	0.0007	B	mg/L	0.0002	0.001	0.0007*	0.0007	0.0007	0.0007
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/09/15	L24527-02	ACZ	06/11/15	20:49	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate		U	mg/L	0.03	0.2	<0.03	-0.03	0.03	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/09/15	L24527-02</																

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/15/15	17:00	Conductivity--Humidity Cell Test		SM2510B	Leachate	1260		umhos/cm	1	10	1260	1260	1260	1260
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/15/15	17:20	pH		M9045D/M9040C	Leachate	6.4		units	0.1	0.1	6.4	6.4	6.4	6.4
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/15/15	17:20	pH measured at		M9045D/M9040C	Leachate	20.6		C	0.1	0.1	20.6	20.6	20.6	20.6
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/16/15	18:00	Interstitial Weight		D5744-12	Leachate	62		g			62	62	62	62
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/16/15	18:00	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/16/15	18:00	Leachate Volume Recovered		D5744-12	Leachate	901		g			901	901	901	901
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/17/15	18:07	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0015		mg/L	0.0002	0.001	0.0015	0.0015	0.0015	0.0015
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/17/15	18:07	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate		U	mg/L	0.00005	0.0003	<0.00005	-0.00005	0.00005	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/17/15	18:07	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate			mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/17/15	18:07	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0002	B	mg/L	0.0001	0.0005	0.0002*	0.0002	0.0002	0.0002
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/17/15	18:07	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Leachate	0.0008		mg/L	0.0001	0.0003	0.0008	0.0008	0.0008	0.0008
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/17/15	18:07	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Leachate		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/17/15	20:40	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate	6.1	B	mg/L	2	20	6.1*	6.1	6.1	6.1
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/17/15	20:40	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/17/15	20:40	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/17/15	20:40	Total Alkalinity	10093	SM2320B - Titration	Leachate	6.1	B	mg/L	2	20	6.1*	6.1	6.1	6.1
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/18/15	09:27	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/18/15	14:06	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/18/15	15:57	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	640		mg/L	50	250	640	640	640	640
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/18/15	16:47	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate	0.05	B	mg/L	0.03	0.2	0.05*	0.05	0.05	0.05
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/18/15	16:47	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.059		mg/L	0.003	0.02	0.059	0.059	0.059	0.059
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/18/15	16:47	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/18/15	16:47	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.03	B	mg/L	0.01	0.05	0.03*	0.03	0.03	0.03
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/18/15	16:47	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	233		mg/L	0.1	0.5	233	233	233	233
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/18/15	16:47	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/18/15	16:47	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/18/15	16:47	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/18/15	16:47	Gallium, dissolved	7440-55-3	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/18/15	16:47	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate	0.023	B	mg/L	0.008	0.04	0.023*	0.023	0.023	0.023
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/18/15	16:47	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	6.4		mg/L	0.2	1	6.4	6.4	6.4	6.4
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/18/15	16:47	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	0.131		mg/L	0.005	0.03	0.131	0.131	0.131	0.131
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/18/15	16:47	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/18/15	16:47	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate		U	mg/L	0.008	0.04	<0.008	-0.008	0.008	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/18/15	16:47	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	3.6		mg/L	0.2	1	3.6	3.6	3.6	3.6
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/18/15	16:47	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/18/15	16:47	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/18/15	16:47	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	20.5		mg/L	0.2	1	20.5	20.5	20.5	20.5
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/18/15	16:47	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	3.05		mg/L	0.005	0.03	3.05	3.05	3.05	3.05
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/18/15	16:47	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/18/15	16:47	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate	0.007	B	mg/L	0.005	0.03	0.007*	0.007	0.007	0.007
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/18/15	16:47	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/18/15	16:47	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/19/15	19:59	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/16/15	L24527-03	ACZ	06/23/15	04:58	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Leachate	0.0009	B	mg/L	0.0004	0.002	0.0009*	0.0009	0.0009	0.0009
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/23/15	L24527-04	ACZ	06/22/15	15:00	Conductivity--Humidity Cell Test		SM2510B	Leachate	1140		umhos/cm	1	10	1140	1140	1140	1140
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/23/15	L24527-04	ACZ	06/22/15	15:15	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	375		mv	1	1	375	375	375	375
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/23/15	L24527-04	ACZ	06/22/15	15:36	pH		M9045D/M9040C	Leachate	6.3		units	0.1	0.1	6.3	6.3	6.3	6.3
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/23/15	L24527-04	ACZ	06/22/15	15:36	pH measured at		M9045D/M9040C	Leachate	20.7		C	0.1	0.1	20.7	20.7	20.7	20.7
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/23/15	L24527-04	ACZ	06/24/15	10:00	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	525		mg/L	20	100	525	525	525	525
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/23/15	L24527-04	ACZ	06/24/15	17:44	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic																			

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/30/15	L24527-05	ACZ	07/02/15	10:11	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/30/15	L24527-05	ACZ	07/02/15	11:58	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/30/15	L24527-05	ACZ	07/02/15	11:58	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/30/15	L24527-05	ACZ	07/02/15	11:58	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/30/15	L24527-05	ACZ	07/02/15	13:16	Interstitial Weight		D5744-12	Leachate	59		g			59	59	59	
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/30/15	L24527-05	ACZ	07/02/15	13:16	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/30/15	L24527-05	ACZ	07/02/15	13:16	Leachate Volume Recovered		D5744-12	Leachate	900		g			900	900	900	
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	06/30/15	L24527-05	ACZ	07/02/15	13:28	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	467		mg/L	50	250	467	467	467	
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/07/15	L24527-06	ACZ	07/06/15	11:08	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	382		mv	1	1	382	382	382	
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/07/15	L24527-06	ACZ	07/06/15	13:00	Conductivity--Humidity Cell Test		SM2510B	Leachate	909		umhos/cm	1	10	909	909	909	
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/07/15	L24527-06	ACZ	07/06/15	13:00	Interstitial Weight		D5744-12	Leachate	58		g			58	58	58	
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/07/15	L24527-06	ACZ	07/06/15	13:00	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/07/15	L24527-06	ACZ	07/06/15	13:00	Leachate Volume Recovered		D5744-12	Leachate	898		g			898	898	898	
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/07/15	L24527-06	ACZ	07/06/15	13:55	pH		M9045D/M9040C	Leachate	6		units	0.1	0.1	6	6	6	
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/07/15	L24527-06	ACZ	07/06/15	13:55	pH measured at		M9045D/M9040C	Leachate	22.2		C	0.1	0.1	22.2	22.2	22.2	
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/07/15	L24527-06	ACZ	07/08/15	15:08	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	333		mg/L	20	100	333	333	333	
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/07/15	L24527-06	ACZ	07/08/15	17:17	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/07/15	L24527-06	ACZ	07/08/15	17:17	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0001	B	mg/L	0.0001	0.0005	0.0001*	0.0001	0.0001	0.0001
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/07/15	L24527-06	ACZ	07/08/15	17:17	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0011		mg/L	0.0001	0.0005	0.0011	0.0011	0.0011	0.0011
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/07/15	L24527-06	ACZ	07/08/15	20:22	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate	3	B	mg/L	2	20	3*	3	3	3
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/07/15	L24527-06	ACZ	07/08/15	20:22	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/07/15	L24527-06	ACZ	07/08/15	20:22	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/07/15	L24527-06	ACZ	07/08/15	20:22	Total Alkalinity	10093	SM2320B - Titration	Leachate	3	B	mg/L	2	20	3*	3	3	3
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/07/15	L24527-06	ACZ	07/09/15	19:49	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/07/15	L24527-06	ACZ	07/09/15	19:49	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/07/15	L24527-06	ACZ	07/09/15	19:49	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.02	B	mg/L	0.01	0.05	0.02*	0.02	0.02	0.02
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/07/15	L24527-06	ACZ	07/15/15	11:35	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/14/15	L24527-07	ACZ	07/13/15	12:38	Conductivity--Humidity Cell Test		SM2510B	Leachate	842		umhos/cm	1	10	842	842	842	
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/14/15	L24527-07	ACZ	07/13/15	13:30	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	334		mv	1	1	334	334	334	
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/14/15	L24527-07	ACZ	07/13/15	13:34	pH		M9045D/M9040C	Leachate	6.1		units	0.1	0.1	6.1	6.1	6.1	
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/14/15	L24527-07	ACZ	07/13/15	13:34	pH measured at		M9045D/M9040C	Leachate	22.3		C	0.1	0.1	22.3	22.3	22.3	
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/14/15	L24527-07	ACZ	07/13/15	22:40	Interstitial Weight		D5744-12	Leachate	57		g			57	57	57	
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/14/15	L24527-07	ACZ	07/13/15	22:40	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/14/15	L24527-07	ACZ	07/13/15	22:40	Leachate Volume Recovered		D5744-12	Leachate	903		g			903	903	903	
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/14/15	L24527-07	ACZ	07/15/15	13:35	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	441		mg/L	20	100	441	441	441	
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/14/15	L24527-07	ACZ	07/15/15	15:39	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/14/15	L24527-07	ACZ	07/15/15	15:39	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/14/15	L24527-07	ACZ	07/15/15	15:39	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/14/15	L24527-07	ACZ	07/15/15	20:19	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate	4.2	B	mg/L	2	20	4.2*	4.2	4.2	4.2
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/14/15	L24527-07	ACZ	07/15/15	20:19	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/14/15	L24527-07	ACZ	07/15/15	20:19	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/14/15	L24527-07	ACZ	07/15/15	20:19	Total Alkalinity	10093	SM2320B - Titration	Leachate	4.2	B	mg/L	2	20	4.2*	4.2	4.2	4.2
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/14/15	L24527-07	ACZ	07/16/15	20:18	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0007	B	mg/L	0.0002	0.001	0.0007*	0.0007	0.0007	0.0007
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/14/15	L24527-07	ACZ	07/16/15	20:18	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/14/15	L24527-07	ACZ	07/16/15	20:18	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0004	B	mg/L	0.0001	0.0005	0.0004*	0.0004	0.0004	0.0004
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/14/15	L24527-07	ACZ	07/24/15	11:49	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/21/15	L24527-08	ACZ	07/20/15	12:05	Conductivity--Humidity Cell Test		SM2510B	Leachate	806		umhos/cm	1	10	806	806	806	
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/21/15	L24527-08	ACZ	07/20/15	13:08	pH		M9045D/M9040C	Leachate	6.1		units	0.1	0.1	6.1	6.1	6.1	
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/21/15	L24527-08	ACZ	07/20/15	13:08	pH measured at		M9045D/M9040C	Leachate	22.5		C	0.1	0.1	22.5	22.5	22.5	
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/21/15	L24527-08	ACZ	07/20/15	13:24	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	335		mv	1	1	335	335	335	
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/21/15	L24527-08	ACZ	07/20/15	22:40	Interstitial Weight		D5744-12	Leachate	46		g			46	46	46	
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/21/15	L24527-08	ACZ	07/20/15	22:40	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/21/15	L24527-08	ACZ	07/20/15	22:40	Leachate Volume Recovered		D5744-12	Leachate	990		g			990			

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/21/15	L24527-08	ACZ	07/22/15	20:57	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate		U	mg/L	0.008	0.04	<0.008	-0.008	0.008	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/21/15	L24527-08	ACZ	07/22/15	20:57	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	1.8		mg/L	0.2	1	1.8	1.8	1.8	1.8
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/21/15	L24527-08	ACZ	07/22/15	20:57	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	0.081		mg/L	0.005	0.03	0.081	0.081	0.081	0.081
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/21/15	L24527-08	ACZ	07/22/15	20:57	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate		U	mg/L	0.008	0.04	<0.008	-0.008	0.008	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/21/15	L24527-08	ACZ	07/22/15	20:57	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	1.2		mg/L	0.2	1	1.2	1.2	1.2	1.2
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/21/15	L24527-08	ACZ	07/22/15	20:57	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/21/15	L24527-08	ACZ	07/22/15	20:57	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	0.7	B	mg/L	0.2	1	0.7*	0.7	0.7	0.7
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/21/15	L24527-08	ACZ	07/22/15	20:57	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	2.04		mg/L	0.005	0.03	2.04	2.04	2.04	2.04
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/21/15	L24527-08	ACZ	07/22/15	20:57	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/21/15	L24527-08	ACZ	07/22/15	20:57	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/21/15	L24527-08	ACZ	07/22/15	20:57	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/21/15	L24527-08	ACZ	07/22/15	20:57	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/21/15	L24527-08	ACZ	07/23/15	13:13	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/21/15	L24527-08	ACZ	07/23/15	17:11	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/21/15	L24527-08	ACZ	07/23/15	18:11	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate		U	mg/L	0.00005	0.0003	<0.00005	-0.00005	0.00005	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/21/15	L24527-08	ACZ	07/24/15	12:03	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/21/15	L24527-08	ACZ	07/27/15	16:36	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/28/15	L24527-09	ACZ	07/27/15	11:16	Conductivity--Humidity Cell Test		SM2510B	Leachate	781		umhos/cm	1	10	781	781	781	781
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/28/15	L24527-09	ACZ	07/27/15	13:08	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	454		mv	1	1	454	454	454	454
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/28/15	L24527-09	ACZ	07/27/15	13:08	pH		M9045D/M9040C	Leachate	6		units	0.1	0.1	6	6	6	6
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/28/15	L24527-09	ACZ	07/27/15	13:08	pH measured at		M9045D/M9040C	Leachate	20.7		C	0.1	0.1	20.7	20.7	20.7	20.7
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/28/15	L24527-09	ACZ	07/27/15	22:40	Interstitial Weight		D5744-12	Leachate	48		g			48	48	48	48
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/28/15	L24527-09	ACZ	07/27/15	22:40	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/28/15	L24527-09	ACZ	07/27/15	22:40	Leachate Volume Recovered		D5744-12	Leachate	908		g			908	908	908	908
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/28/15	L24527-09	ACZ	07/29/15	12:03	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/28/15	L24527-09	ACZ	07/29/15	12:03	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/28/15	L24527-09	ACZ	07/29/15	12:03	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/28/15	L24527-09	ACZ	07/29/15	13:50	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	398		mg/L	20	100	398	398	398	398
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/28/15	L24527-09	ACZ	07/29/15	21:00	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0007	B	mg/L	0.0002	0.001	0.0007*	0.0007	0.0007	0.0007
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/28/15	L24527-09	ACZ	07/29/15	21:00	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/28/15	L24527-09	ACZ	07/29/15	21:00	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0005		mg/L	0.0001	0.0005	0.0005	0.0005	0.0005	0.0005
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/28/15	L24527-09	ACZ	07/29/15	22:08	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate	4.3	B	mg/L	2	20	4.3*	4.3	4.3	4.3
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/28/15	L24527-09	ACZ	07/29/15	22:08	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/28/15	L24527-09	ACZ	07/29/15	22:08	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/28/15	L24527-09	ACZ	07/29/15	22:08	Total Alkalinity	10093	SM2320B - Titration	Leachate	4.3	B	mg/L	2	20	4.3*	4.3	4.3	4.3
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	07/28/15	L24527-09	ACZ	08/05/15	11:16	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/04/15	L24527-10	ACZ	08/03/15	12:05	Conductivity--Humidity Cell Test		SM2510B	Leachate	742		umhos/cm	1	10	742	742	742	742
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/04/15	L24527-10	ACZ	08/03/15	13:08	pH		M9045D/M9040C	Leachate	6		units	0.1	0.1	6	6	6	6
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/04/15	L24527-10	ACZ	08/03/15	13:08	pH measured at		M9045D/M9040C	Leachate	21.6		C	0.1	0.1	21.6	21.6	21.6	21.6
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/04/15	L24527-10	ACZ	08/03/15	13:24	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	450		mv	1	1	450	450	450	450
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/04/15	L24527-10	ACZ	08/03/15	22:40	Interstitial Weight		D5744-12	Leachate	40		g			40	40	40	40
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/04/15	L24527-10	ACZ	08/03/15	22:40	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/04/15	L24527-10	ACZ	08/03/15	22:40	Leachate Volume Recovered		D5744-12	Leachate	913		g			913	913	913	913
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/04/15	L24527-10	ACZ	08/05/15	11:33	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/04/15	L24527-10	ACZ	08/05/15	15:26	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0006	B	mg/L	0.0002	0.001	0.0006*	0.0006	0.0006	0.0006
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/04/15	L24527-10	ACZ	08/05/15	15:26	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/04/15	L24527-10	ACZ	08/05/15	15:26	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0005		mg/L	0.0001	0.0005	0.0005	0.0005	0.0005	0.0005
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/04/15	L24527-10	ACZ	08/05/15	15:30	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/04/15	L24527-10	ACZ	08/05/15	15:30	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/04/15	L24527-10	ACZ	08/05/15	15:30	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/04/15	L24527-10	ACZ	08/05/15	21:19	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate	3.8	B	mg/L	2	20	3.8*	3.8		

Hole ID	Composi e Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/18/15	L24527-12	ACZ	08/17/15	10:34	pH		M9045D/M9040C	Leachate	6.4		units	0.1	0.1	6.4	6.4	6.4	6.4
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/18/15	L24527-12	ACZ	08/17/15	10:34	pH measured at		M9045D/M9040C	Leachate	21.2		C	0.1	0.1	21.2	21.2	21.2	21.2
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/18/15	L24527-12	ACZ	08/17/15	12:05	Conductivity--Humidity Cell Test		SM2510B	Leachate	754		umhos/cm	1	10	754	754	754	754
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/18/15	L24527-12	ACZ	08/17/15	13:24	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	395		mv	1	1	395	395	395	395
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/18/15	L24527-12	ACZ	08/17/15	22:40	Interstitial Weight		D5744-12	Leachate	40		g			40	40	40	40
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/18/15	L24527-12	ACZ	08/17/15	22:40	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/18/15	L24527-12	ACZ	08/17/15	22:40	Leachate Volume Recovered		D5744-12	Leachate	915		g			915	915	915	915
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/18/15	L24527-12	ACZ	08/19/15	11:40	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0005	B	mg/L	0.0002	0.001	0.0005*	0.0005	0.0005	0.0005
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/18/15	L24527-12	ACZ	08/19/15	11:40	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/18/15	L24527-12	ACZ	08/19/15	11:40	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0004	B	mg/L	0.0001	0.0005	0.0004*	0.0004	0.0004	0.0004
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/18/15	L24527-12	ACZ	08/19/15	21:20	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate	4	B	mg/L	2	20	4*	4	4	4
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/18/15	L24527-12	ACZ	08/19/15	21:20	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/18/15	L24527-12	ACZ	08/19/15	21:20	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/18/15	L24527-12	ACZ	08/19/15	21:20	Total Alkalinity	10093	SM2320B - Titration	Leachate	4	B	mg/L	2	20	4*	4	4	4
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/18/15	L24527-12	ACZ	08/20/15	12:10	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	372		mg/L	20	100	372	372	372	372
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/18/15	L24527-12	ACZ	08/26/15	16:32	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/18/15	L24527-12	ACZ	08/26/15	16:32	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/18/15	L24527-12	ACZ	08/26/15	16:32	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/18/15	L24527-12	ACZ	08/27/15	13:33	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/25/15	L24527-13	ACZ	08/24/15	11:45	Conductivity--Humidity Cell Test		SM2510B	Leachate	738		umhos/cm	1	10	738	738	738	738
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/25/15	L24527-13	ACZ	08/24/15	12:30	pH		M9045D/M9040C	Leachate	6.3		units	0.1	0.1	6.3	6.3	6.3	6.3
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/25/15	L24527-13	ACZ	08/24/15	12:30	pH measured at		M9045D/M9040C	Leachate	21.2		C	0.1	0.1	21.2	21.2	21.2	21.2
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/25/15	L24527-13	ACZ	08/24/15	13:03	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	360		mv	1	1	360	360	360	360
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/25/15	L24527-13	ACZ	08/24/15	21:12	Interstitial Weight		D5744-12	Leachate	39		g			39	39	39	39
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/25/15	L24527-13	ACZ	08/24/15	21:12	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/25/15	L24527-13	ACZ	08/24/15	21:12	Leachate Volume Recovered		D5744-12	Leachate	915		g			915	915	915	915
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/25/15	L24527-13	ACZ	08/26/15	17:34	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0007	B	mg/L	0.0002	0.001	0.0007*	0.0007	0.0007	0.0007
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/25/15	L24527-13	ACZ	08/26/15	17:34	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/25/15	L24527-13	ACZ	08/26/15	17:34	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0005		mg/L	0.0001	0.0005	0.0005	0.0005	0.0005	0.0005
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/25/15	L24527-13	ACZ	08/26/15	18:49	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/25/15	L24527-13	ACZ	08/26/15	18:49	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/25/15	L24527-13	ACZ	08/26/15	18:49	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/25/15	L24527-13	ACZ	08/27/15	13:49	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	348		mg/L	20	100	348	348	348	348
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/25/15	L24527-13	ACZ	09/02/15	19:54	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate	3.8	B	mg/L	2	20	3.8*	3.8	3.8	3.8
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/25/15	L24527-13	ACZ	09/02/15	19:54	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/25/15	L24527-13	ACZ	09/02/15	19:54	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/25/15	L24527-13	ACZ	09/02/15	19:54	Total Alkalinity	10093	SM2320B - Titration	Leachate	3.8	B	mg/L	2	20	3.8*	3.8	3.8	3.8
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	08/25/15	L24527-13	ACZ	09/08/15	15:22	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/01/15	L24527-14	ACZ	08/31/15	11:36	Interstitial Weight		D5744-12	Leachate	36		g			36	36	36	36
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/01/15	L24527-14	ACZ	08/31/15	11:36	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/01/15	L24527-14	ACZ	08/31/15	11:36	Leachate Volume Recovered		D5744-12	Leachate	917		g			917	917	917	917
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/01/15	L24527-14	ACZ	09/01/15	11:45	Conductivity--Humidity Cell Test		SM2510B	Leachate	707		umhos/cm	1	10	707	707	707	707
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/01/15	L24527-14	ACZ	09/01/15	12:30	pH		M9045D/M9040C	Leachate	6.3		units	0.1	0.1	6.3	6.3	6.3	6.3
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/01/15	L24527-14	ACZ	09/01/15	12:30	pH measured at		M9045D/M9040C	Leachate	19.9		C	0.1	0.1	19.9	19.9	19.9	19.9
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/01/15	L24527-14	ACZ	09/01/15	13:03	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	436		mv	1	1	436	436	436	436
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/01/15	L24527-14	ACZ	09/03/15	11:39	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	373		mg/L	20	100	373	373	373	373
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/01/15	L24527-14	ACZ	09/04/15	17:18	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Leachate	0.0005	B	mg/L	0.0004	0.002	0.0005*	0.0005	0.0005	0.0005
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/01/15	L24527-14	ACZ	09/04/15	17:18	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0006	B	mg/L	0.0002	0.001	0.0006*	0.0006	0.0006	0.0006
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/01/15	L24527-14	ACZ	09/04/15	17:18	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate		U	mg/L	0.00005	0.0003	<0.00005	-0.00005	0.00005	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/01/15	L24527-14	ACZ	09/04/15	17:18	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/01/15	L24527-14	ACZ	09/04/15	17:18	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0003	B	mg/L	0.0001	0.0005	0.0003*	0.0003	0.0003	0.0003
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200																		

Hole ID	Composi e Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/01/15	L24527-14	ACZ	09/04/15	22:16	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/01/15	L24527-14	ACZ	09/04/15	22:16	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/01/15	L24527-14	ACZ	09/05/15	10:03	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/01/15	L24527-14	ACZ	09/08/15	15:39	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/01/15	L24527-14	ACZ	09/10/15	01:38	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate	3.9	B	mg/L	2	20	3.9*	3.9	3.9	3.9
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/01/15	L24527-14	ACZ	09/10/15	01:38	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/01/15	L24527-14	ACZ	09/10/15	01:38	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/01/15	L24527-14	ACZ	09/10/15	01:38	Total Alkalinity	10093	SM2320B - Titration	Leachate	3.9	B	mg/L	2	20	3.9*	3.9	3.9	3.9
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/01/15	L24527-14	ACZ	09/29/15	13:37	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/08/15	L24527-15	ACZ	09/07/15	11:45	Conductivity--Humidity Cell Test		SM2510B	Leachate	734		umhos/cm	1	10	734	734	734	734
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/08/15	L24527-15	ACZ	09/07/15	12:30	pH		M9045D/M9040C	Leachate	6.2		units	0.1	0.1	6.2	6.2	6.2	6.2
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/08/15	L24527-15	ACZ	09/07/15	12:30	pH measured at		M9045D/M9040C	Leachate	20.8		C	0.1	0.1	20.8	20.8	20.8	20.8
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/08/15	L24527-15	ACZ	09/07/15	13:03	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	462		mv	1	1	462	462	462	462
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/08/15	L24527-15	ACZ	09/07/15	21:12	Interstitial Weight		D5744-12	Leachate	34		g			34	34	34	34
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/08/15	L24527-15	ACZ	09/07/15	21:12	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/08/15	L24527-15	ACZ	09/07/15	21:12	Leachate Volume Recovered		D5744-12	Leachate	918		g			918	918	918	918
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/08/15	L24527-15	ACZ	09/10/15	01:46	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate	4.1	B	mg/L	2	20	4.1*	4.1	4.1	4.1
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/08/15	L24527-15	ACZ	09/10/15	01:46	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/08/15	L24527-15	ACZ	09/10/15	01:46	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/08/15	L24527-15	ACZ	09/10/15	01:46	Total Alkalinity	10093	SM2320B - Titration	Leachate	4.1	B	mg/L	2	20	4.1*	4.1	4.1	4.1
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/08/15	L24527-15	ACZ	09/10/15	13:55	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	376		mg/L	20	100	376	376	376	376
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/08/15	L24527-15	ACZ	09/11/15	12:31	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0006	B	mg/L	0.0002	0.001	0.0006*	0.0006	0.0006	0.0006
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/08/15	L24527-15	ACZ	09/11/15	12:31	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/08/15	L24527-15	ACZ	09/11/15	12:31	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0004	B	mg/L	0.0001	0.0005	0.0004*	0.0004	0.0004	0.0004
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/08/15	L24527-15	ACZ	09/15/15	11:04	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/08/15	L24527-15	ACZ	09/15/15	11:04	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/08/15	L24527-15	ACZ	09/15/15	11:04	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/08/15	L24527-15	ACZ	09/16/15	13:10	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/15/15	L24527-16	ACZ	09/14/15	11:45	Conductivity--Humidity Cell Test		SM2510B	Leachate	695		umhos/cm	1	10	695	695	695	695
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/15/15	L24527-16	ACZ	09/14/15	12:30	pH		M9045D/M9040C	Leachate	6.3		units	0.1	0.1	6.3	6.3	6.3	6.3
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/15/15	L24527-16	ACZ	09/14/15	12:30	pH measured at		M9045D/M9040C	Leachate	20.6		C	0.1	0.1	20.6	20.6	20.6	20.6
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/15/15	L24527-16	ACZ	09/14/15	12:48	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	308		mv	1	1	308	308	308	308
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/15/15	L24527-16	ACZ	09/14/15	21:12	Interstitial Weight		D5744-12	Leachate	36		g			36	36	36	36
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/15/15	L24527-16	ACZ	09/14/15	21:12	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/15/15	L24527-16	ACZ	09/14/15	21:12	Leachate Volume Recovered		D5744-12	Leachate	916		g			916	916	916	916
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/15/15	L24527-16	ACZ	09/17/15	11:32	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	351		mg/L	20	100	351	351	351	351
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/15/15	L24527-16	ACZ	09/17/15	18:19	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate	0.0005	B	mg/L	0.0002	0.001	0.0005*	0.0005	0.0005	0.0005
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/15/15	L24527-16	ACZ	09/17/15	18:19	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/15/15	L24527-16	ACZ	09/17/15	18:19	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0004	B	mg/L	0.0001	0.0005	0.0004*	0.0004	0.0004	0.0004
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/15/15	L24527-16	ACZ	09/18/15	21:16	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/15/15	L24527-16	ACZ	09/18/15	21:16	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/15/15	L24527-16	ACZ	09/18/15	21:16	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/15/15	L24527-16	ACZ	09/23/15	21:52	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate	3.7	B	mg/L	2	20	3.7*	3.7	3.7	3.7
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/15/15	L24527-16	ACZ	09/23/15	21:52	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/15/15	L24527-16	ACZ	09/23/15	21:52	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/15/15	L24527-16	ACZ	09/23/15	21:52	Total Alkalinity	10093	SM2320B - Titration	Leachate	3.7	B	mg/L	2	20	3.7*	3.7	3.7	3.7
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/15/15	L24527-16	ACZ	09/25/15	11:58	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/22/15	L24527-17	ACZ	09/21/15	11:36	Interstitial Weight		D5744-12	Leachate	39		g			39	39	39	39
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/22/15	L24527-17	ACZ	09/21/15	11:36	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/22/15	L24527-17	ACZ	09/21/15	11:36	Leachate Volume Recovered		D5744-12	Leachate	911		g			911	911	911	911
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/22/15	L24527-17	ACZ	09/21/15	11:45	Conductivity--Humidity Cell Test		SM2510B	Leachate	624		umhos/cm	1	10	624	624	624	624
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/22/15	L24527-17	ACZ	09/21/15	12:30	pH		M9045D/M9040C	Le									

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/29/15	L24527-18	ACZ			Zinc, dissolved		No Data!		0					0	0	0	0
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/29/15	L24527-18	ACZ	09/28/15	11:45	Conductivity--Humidity Cell Test		WG391407	Leachate	602		umhos/cm	1	10	602	602	602	602
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/29/15	L24527-18	ACZ	09/28/15	12:30	pH		WG391404	Leachate	6.3		units	0.1	0.1	6.3	6.3	6.3	6.3
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/29/15	L24527-18	ACZ	09/28/15	12:30	pH measured at		WG391404	Leachate	19.3		C	0.1	0.1	19.3	19.3	19.3	19.3
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/29/15	L24527-18	ACZ	09/28/15	12:48	Oxidation Reduction Potential (Eh)		WG391443	Leachate	457		mv	1	1	457	457	457	457
CPC14-3	Kinetic	HCT	CPC14-3/3400-4200/Kinetic	CPC14-3/3400-4200/KI	09/29/15	L24527-18	ACZ	10/01/15	13:59	Acidity as CaCO3		WG391508	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	04/02/15	L24142-01	ACZ	05/11/15	13:00	Sample Weight		D5744-12	Soil						0	0	0	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/11/15	12:00	Interstitial Weight		D5744-12	Leachate	194		g			194	194	194	194
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/11/15	12:00	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/11/15	12:00	Leachate Volume Recovered		D5744-12	Leachate	826		g			826	826	826	826
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/11/15	15:00	Conductivity--Humidity Cell Test		SM2510B	Leachate	378		umhos/cm	1	10	378	378	378	378
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/11/15	16:00	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	309		mv	1	1	309	309	309	309
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/11/15	16:17	pH		M9045D/M9040C	Leachate	4.8		units	0.1	0.1	4.8	4.8	4.8	4.8
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/11/15	16:17	pH measured at		M9045D/M9040C	Leachate	19.7		C	0.1	0.1	19.7	19.7	19.7	19.7
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/13/15	12:06	Acidity as CaCO3		SM2310B - Titration	Leachate	10	B	mg/L	10	20	10*	10	10	10
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/13/15	14:21	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	40.1		mg/L	5	25	40.1	40.1	40.1	40.1
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/14/15	12:09	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/14/15	14:15	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate	0.14	B	mg/L	0.03	0.2	0.14*	0.14	0.14	0.14
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/14/15	14:15	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.147		mg/L	0.003	0.02	0.147	0.147	0.147	0.147
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/14/15	14:15	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/14/15	14:15	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.02	B	mg/L	0.01	0.05	0.02*	0.02	0.02	0.02
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/14/15	14:15	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	2		mg/L	0.1	0.5	2	2	2	2
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/14/15	14:15	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/14/15	14:15	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/14/15	14:15	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.1		mg/L	0.01	0.05	0.1	0.1	0.1	0.1
CPC14-3	Kinetic	Grain Size	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	04/02/15	L24142-01	ACZ	05/11/15	13:00	Grain Size		D5744-12	Soil						0	0	0	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/14/15	14:15	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	Grain Size	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	04/02/15	L24142-01	ACZ	06/08/15	19:00	Sieve- 63 um (230 mesh)		ASA No.9, 15-4.2.2	Soil	3.6		% Passing	0.1	0.5	3.6	3.6	3.6	3.6
CPC14-3	Kinetic	Grain Size	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	04/02/15	L24142-01	ACZ	06/08/15	19:00	Sieve- 125 um (120 mesh)		ASA No.9, 15-4.2.2	Soil	7.4		% Passing	0.1	0.5	7.4	7.4	7.4	7.4
CPC14-3	Kinetic	Grain Size	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	04/02/15	L24142-01	ACZ	06/08/15	19:00	Sieve- 250 um (60 mesh)		ASA No.9, 15-4.2.2	Soil	11.2		% Passing	0.1	0.5	11.2	11.2	11.2	11.2
CPC14-3	Kinetic	Grain Size	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	04/02/15	L24142-01	ACZ	06/08/15	19:00	Sieve- 500 um (35 mesh)		ASA No.9, 15-4.2.2	Soil	17.4		% Passing	0.1	0.5	17.4	17.4	17.4	17.4
CPC14-3	Kinetic	Grain Size	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	04/02/15	L24142-01	ACZ	06/08/15	19:00	Sieve- 850 um (20 mesh)		ASA No.9, 15-4.2.2	Soil	24.4		% Passing	0.1	0.5	24.4	24.4	24.4	24.4
CPC14-3	Kinetic	Grain Size	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	04/02/15	L24142-01	ACZ	06/08/15	19:00	Sieve- 2000 um (2.0 mm)		ASA No.9, 15-4.2.2	Soil	44.2		% Passing	0.1	0.5	44.2	44.2	44.2	44.2
CPC14-3	Kinetic	Grain Size	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	04/02/15	L24142-01	ACZ	06/08/15	19:00	Sieve- 4000 um (4.0mm)		ASA No.9, 15-4.2.2	Soil	74.8		% Passing	0.1	0.5	74.8	74.8	74.8	74.8
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/14/15	14:15	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate	0.026	B	mg/L	0.008	0.04	0.026*	0.026	0.026	0.026
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/14/15	14:15	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	0.5	B	mg/L	0.2	1	0.5*	0.5	0.5	0.5
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/14/15	14:15	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	0.03		mg/L	0.005	0.03	0.03	0.03	0.03	0.03
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/14/15	14:15	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/14/15	14:15	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate		U	mg/L	0.008	0.04	<0.008	-0.008	0.008	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/14/15	14:15	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/14/15	14:15	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/14/15	14:15	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	8.5		mg/L	0.2	1	8.5	8.5	8.5	8.5
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/14/15	14:15	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	7.43		mg/L	0.005	0.03	7.43	7.43	7.43	7.43
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/14/15	14:15	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/14/15	14:15	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/14/15	14:15	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/14/15	14:15	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.04	B	mg/L	0.01	0.05	0.04*	0.04	0.04	0.04
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/14/15	22:23	Gallium, dissolved	7440-55-3	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/14/15	22:23	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	12.1		mg/L	0.2	1	12.1	12.1	12.1	12.1
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/14/15	22:30	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/14/15	22:30	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/12/15	L24142-02	ACZ	05/14/15	22:30	Hydroxide as CaCO3		SM2320B - Titration</										

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/03/15	16:04	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/03/15	16:04	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	1.7		mg/L	0.1	0.5	1.7	1.7	1.7	1.7
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/03/15	16:04	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/03/15	16:04	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/03/15	16:04	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.06		mg/L	0.01	0.05	0.06	0.06	0.06	0.06
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/03/15	16:04	Gallium, dissolved	7440-55-3	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/03/15	16:04	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/03/15	16:04	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate	0.019	B	mg/L	0.008	0.04	0.019*	0.019	0.019	0.019
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/03/15	16:04	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	0.2	B	mg/L	0.2	1	0.2*	0.2	0.2	0.2
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/03/15	16:04	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	0.034		mg/L	0.005	0.03	0.034	0.034	0.034	0.034
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/03/15	16:04	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/03/15	16:04	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate		U	mg/L	0.008	0.04	<0.008	-0.008	0.008	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/03/15	16:04	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	6.8		mg/L	0.2	1	6.8	6.8	6.8	6.8
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/03/15	16:04	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/03/15	16:04	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/03/15	16:04	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate	4.7		mg/L	0.2	1	4.7	4.7	4.7	4.7
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/03/15	16:04	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	5.48		mg/L	0.005	0.03	5.48	5.48	5.48	5.48
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/03/15	16:04	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/03/15	16:04	Titanium, dissolved	7440-32-6	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/03/15	16:04	Vanadium, dissolved	7440-62-2	M200.7 ICP	Leachate		U	mg/L	0.005	0.03	<0.005	-0.005	0.005	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/03/15	16:04	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.04	B	mg/L	0.01	0.05	0.04*	0.04	0.04	0.04
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/04/15	10:51	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.02	B	mg/L	0.01	0.05	0.02*	0.02	0.02	0.02
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/04/15	10:53	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Leachate		U	mg/L	0.0004	0.002	<0.0004	-0.0004	0.0004	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/04/15	10:53	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/04/15	10:53	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate	0.00006	B	mg/L	0.00005	0.0003	0.00006*	0.00006	0.00006	0.00006
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/04/15	10:53	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0006		mg/L	0.0001	0.0005	0.0006	0.0006	0.0006	0.0006
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/04/15	10:53	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0009		mg/L	0.0001	0.0005	0.0009	0.0009	0.0009	0.0009
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/04/15	10:53	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Leachate	0.0006		mg/L	0.0001	0.0003	0.0006	0.0006	0.0006	0.0006
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/04/15	10:53	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Leachate		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/05/15	13:24	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	28.9		mg/L	1	5	28.9	28.9	28.9	28.9
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/19/15	L24142-03	ACZ	06/11/15	16:34	Mercury, dissolved	7439-97-6	M245.1 CVAA	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/26/15	L24142-04	ACZ	05/25/15	15:00	Conductivity--Humidity Cell Test		SM2510B	Leachate	36.3		umhos/cm	1	10	36.3	36.3	36.3	36.3
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/26/15	L24142-04	ACZ	05/25/15	15:00	Interstitial Weight		D5744-12	Leachate	171		g			171	171	171	171
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/26/15	L24142-04	ACZ	05/25/15	15:00	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/26/15	L24142-04	ACZ	05/25/15	15:00	Leachate Volume Recovered		D5744-12	Leachate	893		g			893	893	893	893
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/26/15	L24142-04	ACZ	05/25/15	16:00	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	269		mv	1	1	269	269	269	269
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/26/15	L24142-04	ACZ	05/25/15	16:17	pH		M9045D/M9040C	Leachate	4.8		units	0.1	0.1	4.8	4.8	4.8	4.8
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/26/15	L24142-04	ACZ	05/25/15	16:17	pH measured at		M9045D/M9040C	Leachate	21		C	0.1	0.1	21	21	21	21
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/26/15	L24142-04	ACZ	06/02/15	12:52	Acidity as CaCO3		SM2310B - Titration	Leachate	12	B	mg/L	10	20	12*	12	12	12
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/26/15	L24142-04	ACZ	06/02/15	16:32	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/26/15	L24142-04	ACZ	06/02/15	16:32	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/26/15	L24142-04	ACZ	06/02/15	16:32	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/26/15	L24142-04	ACZ	06/02/15	16:32	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/26/15	L24142-04	ACZ	06/03/15	16:07	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.07		mg/L	0.01	0.05	0.07	0.07	0.07	0.07
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/26/15	L24142-04	ACZ	06/03/15	16:07	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/26/15	L24142-04	ACZ	06/03/15	16:07	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.05		mg/L	0.01	0.05	0.05	0.05	0.05	0.05
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/26/15	L24142-04	ACZ	06/04/15	10:56	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/26/15	L24142-04	ACZ	06/04/15	10:56	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0007		mg/L	0.0001	0.0005	0.0007	0.0007	0.0007	0.0007
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/26/15	L24142-04	ACZ	06/04/15	10:56	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.001		mg/L	0.0001	0.0005	0.001	0.001	0.001	0.001
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	05/26/15	L24142-04	ACZ	06/05/15	13:24	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	28.6		mg/L	1	5	28.6	28.6	28.6	28.6
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/02/15	L24142-05	ACZ															

Hole ID	Composi e Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/09/15	L24142-06	ACZ	06/08/15	19:30	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/09/15	L24142-06	ACZ	06/08/15	19:30	Leachate Volume Recovered		D5744-12	Leachate	929		g			929	929	929	929
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/09/15	L24142-06	ACZ	06/10/15	15:31	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	28		mg/L	1	5	28	28	28	28
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/09/15	L24142-06	ACZ	06/10/15	20:19	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/09/15	L24142-06	ACZ	06/10/15	20:19	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/09/15	L24142-06	ACZ	06/10/15	20:19	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/09/15	L24142-06	ACZ	06/10/15	20:19	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/09/15	L24142-06	ACZ	06/11/15	02:06	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/09/15	L24142-06	ACZ	06/11/15	02:06	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0009		mg/L	0.0001	0.0005	0.0009	0.0009	0.0009	0.0009
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/09/15	L24142-06	ACZ	06/11/15	02:06	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0013		mg/L	0.0001	0.0005	0.0013	0.0013	0.0013	0.0013
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/09/15	L24142-06	ACZ	06/11/15	12:26	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/09/15	L24142-06	ACZ	06/11/15	20:33	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.09		mg/L	0.01	0.05	0.09	0.09	0.09	0.09
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/09/15	L24142-06	ACZ	06/11/15	20:33	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/09/15	L24142-06	ACZ	06/11/15	20:33	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.07		mg/L	0.01	0.05	0.07	0.07	0.07	0.07
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/16/15	L24142-07	ACZ	06/15/15	14:00	Conductivity--Humidity Cell Test		SM2510B	Leachate	98.2		umhos/cm	1	10	98.2	98.2	98.2	98.2
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/16/15	L24142-07	ACZ	06/15/15	15:16	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	420		mv	1	1	420	420	420	420
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/16/15	L24142-07	ACZ	06/15/15	15:20	pH		M9045D/M9040C	Leachate	5		units	0.1	0.1	5	5	5	5
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/16/15	L24142-07	ACZ	06/15/15	15:20	pH measured at		M9045D/M9040C	Leachate	21		C	0.1	0.1	21	21	21	21
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/16/15	L24142-07	ACZ	06/15/15	19:30	Interstitial Weight		D5744-12	Leachate	159		g			159	159	159	159
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/16/15	L24142-07	ACZ	06/15/15	19:30	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/16/15	L24142-07	ACZ	06/15/15	19:30	Leachate Volume Recovered		D5744-12	Leachate	891		g			891	891	891	891
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/16/15	L24142-07	ACZ	06/17/15	17:52	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/16/15	L24142-07	ACZ	06/17/15	17:52	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0008		mg/L	0.0001	0.0005	0.0008	0.0008	0.0008	0.0008
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/16/15	L24142-07	ACZ	06/17/15	17:52	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0013		mg/L	0.0001	0.0005	0.0013	0.0013	0.0013	0.0013
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/16/15	L24142-07	ACZ	06/17/15	20:19	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/16/15	L24142-07	ACZ	06/17/15	20:19	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/16/15	L24142-07	ACZ	06/17/15	20:19	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/16/15	L24142-07	ACZ	06/17/15	20:19	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/16/15	L24142-07	ACZ	06/18/15	13:24	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/16/15	L24142-07	ACZ	06/18/15	15:43	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	24.8		mg/L	1	5	24.8	24.8	24.8	24.8
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/16/15	L24142-07	ACZ	06/18/15	16:31	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.09		mg/L	0.01	0.05	0.09	0.09	0.09	0.09
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/16/15	L24142-07	ACZ	06/18/15	16:31	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.06		mg/L	0.01	0.05	0.06	0.06	0.06	0.06
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/16/15	L24142-07	ACZ	06/19/15	19:43	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/23/15	L24142-08	ACZ	06/22/15	12:00	Conductivity--Humidity Cell Test		SM2510B	Leachate	102		umhos/cm	1	10	102	102	102	102
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/23/15	L24142-08	ACZ	06/22/15	13:30	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	409		mv	1	1	409	409	409	409
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/23/15	L24142-08	ACZ	06/22/15	13:30	pH		M9045D/M9040C	Leachate	4.8		units	0.1	0.1	4.8	4.8	4.8	4.8
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/23/15	L24142-08	ACZ	06/22/15	13:30	pH measured at		M9045D/M9040C	Leachate	20.6		C	0.1	0.1	20.6	20.6	20.6	20.6
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/23/15	L24142-08	ACZ	06/24/15	09:52	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	21.4		mg/L	1	5	21.4	21.4	21.4	21.4
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/23/15	L24142-08	ACZ	06/24/15	17:34	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate	0.12	B	mg/L	0.03	0.2	0.12*	0.12	0.12	0.12
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/23/15	L24142-08	ACZ	06/24/15	17:34	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.178		mg/L	0.003	0.02	0.178	0.178	0.178	0.178
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/23/15	L24142-08	ACZ	06/24/15	17:34	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/23/15	L24142-08	ACZ	06/24/15	17:34	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.02	B	mg/L	0.01	0.05	0.02*	0.02	0.02	0.02
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/23/15	L24142-08	ACZ	06/24/15	17:34	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	1.8		mg/L	0.1	0.5	1.8	1.8	1.8	1.8
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/23/15	L24142-08	ACZ	06/24/15	17:34	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/23/15	L24142-08	ACZ	06/24/15	17:34	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/23/15	L24142-08	ACZ	06/24/15	17:34	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.08		mg/L	0.01	0.05	0.08	0.08	0.08	0.08
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/23/15	L24142-08	ACZ	06/24/15	17:34	Gallium, dissolved	7440-55-3	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/23/15	L24142-08	ACZ	06/24/15	17:34	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/23/15	L24142-08	ACZ	06/24/15	17:34	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate		U	mg/L	0.008	0.04	<0.008	-0.008	0.008	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/23/15	L24142-08	ACZ	06/24/15	17:34	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	0.6	B	mg/L	0.2	1	0.6*	0.6	0.6	0.6
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/23/15	L24142-08	ACZ	06/24/15	17:34	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	0.068		mg/L	0.005	0.03	0.068	0.068	0.068	0.068
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/23/15	L24142-08	ACZ	06/24/15</														

Hole ID	Composi e Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/23/15	L24142-08	ACZ	06/25/15	20:56	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/23/15	L24142-08	ACZ	07/02/15	12:15	Interstitial Weight		D5744-12	Leachate	192		g			192	192	192	192
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/23/15	L24142-08	ACZ	07/02/15	12:15	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/23/15	L24142-08	ACZ	07/02/15	12:15	Leachate Volume Recovered		D5744-12	Leachate	834		g			834	834	834	834
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/30/15	L24142-09	ACZ	06/29/15	11:17	Conductivity--Humidity Cell Test		SM2510B	Leachate	70.6		umhos/cm	1	10	70.6	70.6	70.6	70.6
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/30/15	L24142-09	ACZ	06/29/15	13:00	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	325		mv	1	1	325	325	325	325
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/30/15	L24142-09	ACZ	06/29/15	13:00	pH		M9045D/M9040C	Leachate	4.6		units	0.1	0.1	4.6	4.6	4.6	4.6
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/30/15	L24142-09	ACZ	06/29/15	13:00	pH measured at		M9045D/M9040C	Leachate	22.6		C	0.1	0.1	22.6	22.6	22.6	22.6
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/30/15	L24142-09	ACZ	07/01/15	21:40	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/30/15	L24142-09	ACZ	07/01/15	21:40	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/30/15	L24142-09	ACZ	07/01/15	21:40	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/30/15	L24142-09	ACZ	07/01/15	21:40	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/30/15	L24142-09	ACZ	07/01/15	22:29	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/30/15	L24142-09	ACZ	07/01/15	22:29	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0007		mg/L	0.0001	0.0005	0.0007	0.0007	0.0007	0.0007
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/30/15	L24142-09	ACZ	07/01/15	22:29	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0021		mg/L	0.0001	0.0005	0.0021	0.0021	0.0021	0.0021
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/30/15	L24142-09	ACZ	07/02/15	09:20	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/30/15	L24142-09	ACZ	07/02/15	11:42	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.07		mg/L	0.01	0.05	0.07	0.07	0.07	0.07
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/30/15	L24142-09	ACZ	07/02/15	11:42	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/30/15	L24142-09	ACZ	07/02/15	11:42	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.04	B	mg/L	0.01	0.05	0.04*	0.04	0.04	0.04
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/30/15	L24142-09	ACZ	07/02/15	12:19	Interstitial Weight		D5744-12	Leachate	162		g			162	162	162	162
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/30/15	L24142-09	ACZ	07/02/15	12:19	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/30/15	L24142-09	ACZ	07/02/15	12:19	Leachate Volume Recovered		D5744-12	Leachate	901		g			901	901	901	901
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	06/30/15	L24142-09	ACZ	07/02/15	13:18	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	20.7		mg/L	1	5	20.7	20.7	20.7	20.7
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/07/15	L24142-10	ACZ	07/06/15	09:32	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	289		mv	1	1	289	289	289	289
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/07/15	L24142-10	ACZ	07/06/15	10:00	Interstitial Weight		D5744-12	Leachate	175		g			175	175	175	175
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/07/15	L24142-10	ACZ	07/06/15	10:00	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/07/15	L24142-10	ACZ	07/06/15	10:00	Leachate Volume Recovered		D5744-12	Leachate	868		g			868	868	868	868
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/07/15	L24142-10	ACZ	07/06/15	10:36	Conductivity--Humidity Cell Test		SM2510B	Leachate	65.3		umhos/cm	1	10	65.3	65.3	65.3	65.3
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/07/15	L24142-10	ACZ	07/06/15	12:04	pH		M9045D/M9040C	Leachate	4.7		units	0.1	0.1	4.7	4.7	4.7	4.7
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/07/15	L24142-10	ACZ	07/06/15	12:04	pH measured at		M9045D/M9040C	Leachate	22.3		C	0.1	0.1	22.3	22.3	22.3	22.3
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/07/15	L24142-10	ACZ	07/08/15	14:23	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	18.4		mg/L	1	5	18.4	18.4	18.4	18.4
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/07/15	L24142-10	ACZ	07/08/15	17:37	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/07/15	L24142-10	ACZ	07/08/15	17:37	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0007		mg/L	0.0001	0.0005	0.0007	0.0007	0.0007	0.0007
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/07/15	L24142-10	ACZ	07/08/15	17:37	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.001		mg/L	0.0001	0.0005	0.001	0.001	0.001	0.001
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/07/15	L24142-10	ACZ	07/08/15	19:19	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/07/15	L24142-10	ACZ	07/08/15	19:19	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/07/15	L24142-10	ACZ	07/08/15	19:19	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/07/15	L24142-10	ACZ	07/08/15	19:19	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/07/15	L24142-10	ACZ	07/09/15	19:40	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.08		mg/L	0.01	0.05	0.08	0.08	0.08	0.08
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/07/15	L24142-10	ACZ	07/09/15	19:40	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/07/15	L24142-10	ACZ	07/09/15	19:40	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.05		mg/L	0.01	0.05	0.05	0.05	0.05	0.05
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/07/15	L24142-10	ACZ	07/15/15	11:08	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/14/15	L24142-11	ACZ	07/13/15	10:27	Conductivity--Humidity Cell Test		SM2510B	Leachate	57.4		umhos/cm	1	10	57.4	57.4	57.4	57.4
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/14/15	L24142-11	ACZ	07/13/15	11:40	Interstitial Weight		D5744-12	Leachate	148		g			148	148	148	148
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/14/15	L24142-11	ACZ	07/13/15	11:40	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/14/15	L24142-11	ACZ	07/13/15	11:40	Leachate Volume Recovered		D5744-12	Leachate	890		g			890	890	890	890
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/14/15	L24142-11	ACZ	07/13/15	11:51	pH		M9045D/M9040C	Leachate	4.6		units	0.1	0.1	4.6	4.6	4.6	4.6
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/14/15	L24142-11	ACZ	07/13/15	11:51	pH measured at		M9045D/M9040C	Leachate	22.4		C	0.1	0.1	22.4	22.4	22.4	22.4
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/14/15	L24142-11	ACZ	07/13/15	12:00	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	286		mv	1	1	286	286	286	286
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/14/15	L24142-11	ACZ	07/15/15	12:33	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	19		mg/L	1	5	19	19	19	19
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/14/15	L24142-11	ACZ	07/15/15	15:29	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.08		mg/L	0.01	0.05	0.08	0.08	0.08	0.08
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/14/15	L24142-11	ACZ	07/15/15	15:29	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/																	

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/21/15	L24142-12	ACZ	07/22/15	19:02	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/21/15	L24142-12	ACZ	07/22/15	19:02	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/21/15	L24142-12	ACZ	07/22/15	20:41	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.05		mg/L	0.01	0.05	0.05	0.05	0.05	0.05
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/21/15	L24142-12	ACZ	07/22/15	20:41	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/21/15	L24142-12	ACZ	07/22/15	20:41	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.05		mg/L	0.01	0.05	0.05	0.05	0.05	0.05
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/21/15	L24142-12	ACZ	07/24/15	11:07	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/28/15	L24142-13	ACZ	07/27/15	08:49	Conductivity--Humidity Cell Test		SM2510B	Leachate	62		umhos/cm	1	10	62	62	62	62
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/28/15	L24142-13	ACZ	07/27/15	11:12	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	450		mv	1	1	450	450	450	450
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/28/15	L24142-13	ACZ	07/27/15	11:12	pH		M9045D/M9040C	Leachate	4.7		units	0.1	0.1	4.7	4.7	4.7	4.7
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/28/15	L24142-13	ACZ	07/27/15	11:12	pH measured at		M9045D/M9040C	Leachate	20.9		C	0.1	0.1	20.9	20.9	20.9	20.9
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/28/15	L24142-13	ACZ	07/27/15	11:40	Interstitial Weight		D5744-12	Leachate	157		g			157	157	157	157
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/28/15	L24142-13	ACZ	07/27/15	11:40	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/28/15	L24142-13	ACZ	07/27/15	11:40	Leachate Volume Recovered		D5744-12	Leachate	861		g			861	861	861	861
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/28/15	L24142-13	ACZ	07/29/15	11:47	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.05		mg/L	0.01	0.05	0.05	0.05	0.05	0.05
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/28/15	L24142-13	ACZ	07/29/15	11:47	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/28/15	L24142-13	ACZ	07/29/15	11:47	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.04	B	mg/L	0.01	0.05	0.04*	0.04	0.04	0.04
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/28/15	L24142-13	ACZ	07/29/15	13:29	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	17.3		mg/L	1	5	17.3	17.3	17.3	17.3
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/28/15	L24142-13	ACZ	07/29/15	20:44	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/28/15	L24142-13	ACZ	07/29/15	20:44	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0006		mg/L	0.0001	0.0005	0.0006	0.0006	0.0006	0.0006
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/28/15	L24142-13	ACZ	07/29/15	20:44	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.001		mg/L	0.0001	0.0005	0.001	0.001	0.001	0.001
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/28/15	L24142-13	ACZ	07/29/15	21:47	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/28/15	L24142-13	ACZ	07/29/15	21:47	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/28/15	L24142-13	ACZ	07/29/15	21:47	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/28/15	L24142-13	ACZ	08/05/15	09:32	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	07/28/15	L24142-13	ACZ	08/05/15	09:32	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/04/15	L24142-14	ACZ	08/03/15	09:38	Conductivity--Humidity Cell Test		SM2510B	Leachate	49.1		umhos/cm	1	10	49.1	49.1	49.1	49.1
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/04/15	L24142-14	ACZ	08/03/15	11:12	pH		M9045D/M9040C	Leachate	4.7		units	0.1	0.1	4.7	4.7	4.7	4.7
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/04/15	L24142-14	ACZ	08/03/15	11:12	pH measured at		M9045D/M9040C	Leachate	22.1		C	0.1	0.1	22.1	22.1	22.1	22.1
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/04/15	L24142-14	ACZ	08/03/15	11:36	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	411		mv	1	1	411	411	411	411
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/04/15	L24142-14	ACZ	08/03/15	11:40	Interstitial Weight		D5744-12	Leachate	147		g			147	147	147	147
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/04/15	L24142-14	ACZ	08/03/15	11:40	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/04/15	L24142-14	ACZ	08/03/15	11:40	Leachate Volume Recovered		D5744-12	Leachate	872		g			872	872	872	872
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/04/15	L24142-14	ACZ	08/05/15	09:49	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/04/15	L24142-14	ACZ	08/05/15	15:14	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate	0.06	B	mg/L	0.03	0.2	0.06*	0.06	0.06	0.06
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/04/15	L24142-14	ACZ	08/05/15	15:14	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.169		mg/L	0.003	0.02	0.169	0.169	0.169	0.169
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/04/15	L24142-14	ACZ	08/05/15	15:14	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/04/15	L24142-14	ACZ	08/05/15	15:14	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/04/15	L24142-14	ACZ	08/05/15	15:14	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	1.3		mg/L	0.1	0.5	1.3	1.3	1.3	1.3
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/04/15	L24142-14	ACZ	08/05/15	15:14	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/04/15	L24142-14	ACZ	08/05/15	15:14	Cobalt, dissolved	7440-48-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/04/15	L24142-14	ACZ	08/05/15	15:14	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.05		mg/L	0.01	0.05	0.05	0.05	0.05	0.05
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/04/15	L24142-14	ACZ	08/05/15	15:14	Gallium, dissolved	7440-55-3	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/04/15	L24142-14	ACZ	08/05/15	15:14	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/04/15	L24142-14	ACZ	08/05/15	15:14	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate		U	mg/L	0.008	0.04	<0.008	-0.008	0.008	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/04/15	L24142-14	ACZ	08/05/15	15:14	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate		U	mg/L	0.2	1	<0.2	-0.2	0.2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/04/15	L24142-14	ACZ	08/05/15	15:14	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	0.03		mg/L	0.005	0.03	0.03	0.03	0.03	0.03
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/04/15	L24142-14	ACZ	08/05/15	15:14	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/04/15	L24142-14	ACZ	08/05/15	15:14	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate		U	mg/L	0.008	0.04	<0.008	-0.008	0.008	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/04/15	L24142-14	ACZ	08/05/15	15:14	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	1.6		mg/L	0.2	1	1.6	1.6	1.6	1.6
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/04/15	L24142-14	ACZ	08/05/15	15:14	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/04/15	L24142-14	ACZ	08/05/15	15:14	Silver, dissolved	7440-22-4	M200.7 ICP	Leachate		U	mg/L	0.01	0.03	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/04/15	L24142-14	ACZ	08/05/15	15:14	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate		U</							

Hole ID	Composi e Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/11/15	L24142-15	ACZ	08/10/15	11:40	Interstitial Weight		D5744-12	Leachate	147		g			147	147	147	147
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/11/15	L24142-15	ACZ	08/10/15	11:40	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/11/15	L24142-15	ACZ	08/10/15	11:40	Leachate Volume Recovered		D5744-12	Leachate	889		g			889	889	889	889
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/11/15	L24142-15	ACZ	08/12/15	11:51	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	13.9		mg/L	1	5	13.9	13.9	13.9	13.9
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/11/15	L24142-15	ACZ	08/12/15	18:07	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/11/15	L24142-15	ACZ	08/12/15	18:07	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0004	B	mg/L	0.0001	0.0005	0.0004*	0.0004	0.0004	0.0004
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/11/15	L24142-15	ACZ	08/12/15	18:07	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0008		mg/L	0.0001	0.0005	0.0008	0.0008	0.0008	0.0008
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/11/15	L24142-15	ACZ	08/12/15	19:50	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.04	B	mg/L	0.01	0.05	0.04*	0.04	0.04	0.04
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/11/15	L24142-15	ACZ	08/12/15	19:50	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.03	B	mg/L	0.01	0.05	0.03*	0.03	0.03	0.03
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/11/15	L24142-15	ACZ	08/13/15	14:43	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/11/15	L24142-15	ACZ	08/14/15	19:44	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/11/15	L24142-15	ACZ	08/14/15	19:44	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/11/15	L24142-15	ACZ	08/14/15	19:44	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/11/15	L24142-15	ACZ	08/14/15	19:44	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/11/15	L24142-15	ACZ	08/19/15	10:49	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/18/15	L24142-16	ACZ	08/17/15	08:38	pH		M9045D/M9040C	Leachate	4.8		units	0.1	0.1	4.8	4.8	4.8	4.8
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/18/15	L24142-16	ACZ	08/17/15	08:38	pH measured at		M9045D/M9040C	Leachate	21.2		C	0.1	0.1	21.2	21.2	21.2	21.2
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/18/15	L24142-16	ACZ	08/17/15	09:38	Conductivity--Humidity Cell Test		SM2510B	Leachate	51.7		umhos/cm	1	10	51.7	51.7	51.7	51.7
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/18/15	L24142-16	ACZ	08/17/15	11:36	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	349		mv	1	1	349	349	349	349
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/18/15	L24142-16	ACZ	08/17/15	11:40	Interstitial Weight		D5744-12	Leachate	175		g			175	175	175	175
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/18/15	L24142-16	ACZ	08/17/15	11:40	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/18/15	L24142-16	ACZ	08/17/15	11:40	Leachate Volume Recovered		D5744-12	Leachate	844		g			844	844	844	844
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/18/15	L24142-16	ACZ	08/19/15	11:25	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/18/15	L24142-16	ACZ	08/19/15	11:25	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0005		mg/L	0.0001	0.0005	0.0005	0.0005	0.0005	0.0005
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/18/15	L24142-16	ACZ	08/19/15	11:25	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0012		mg/L	0.0001	0.0005	0.0012	0.0012	0.0012	0.0012
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/18/15	L24142-16	ACZ	08/19/15	20:59	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/18/15	L24142-16	ACZ	08/19/15	20:59	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/18/15	L24142-16	ACZ	08/19/15	20:59	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/18/15	L24142-16	ACZ	08/19/15	20:59	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/18/15	L24142-16	ACZ	08/20/15	11:43	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	15.4		mg/L	1	5	15.4	15.4	15.4	15.4
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/18/15	L24142-16	ACZ	08/26/15	16:22	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.05		mg/L	0.01	0.05	0.05	0.05	0.05	0.05
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/18/15	L24142-16	ACZ	08/26/15	16:22	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/18/15	L24142-16	ACZ	08/26/15	16:22	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.04	B	mg/L	0.01	0.05	0.04*	0.04	0.04	0.04
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/18/15	L24142-16	ACZ	08/27/15	13:31	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/25/15	L24142-17	ACZ	08/24/15	09:30	Conductivity--Humidity Cell Test		SM2510B	Leachate	47.1		umhos/cm	1	10	47.1	47.1	47.1	47.1
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/25/15	L24142-17	ACZ	08/24/15	10:48	pH		M9045D/M9040C	Leachate	4.7		units	0.1	0.1	4.7	4.7	4.7	4.7
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/25/15	L24142-17	ACZ	08/24/15	10:48	pH measured at		M9045D/M9040C	Leachate	21		C	0.1	0.1	21	21	21	21
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/25/15	L24142-17	ACZ	08/24/15	11:18	Interstitial Weight		D5744-12	Leachate	147		g			147	147	147	147
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/25/15	L24142-17	ACZ	08/24/15	11:18	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/25/15	L24142-17	ACZ	08/24/15	11:18	Leachate Volume Recovered		D5744-12	Leachate	895		g			895	895	895	895
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/25/15	L24142-17	ACZ	08/24/15	11:22	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	374		mv	1	1	374	374	374	374
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/25/15	L24142-17	ACZ	08/26/15	17:19	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/25/15	L24142-17	ACZ	08/26/15	17:19	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0005		mg/L	0.0001	0.0005	0.0005	0.0005	0.0005	0.0005
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/25/15	L24142-17	ACZ	08/26/15	17:19	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.001		mg/L	0.0001	0.0005	0.001	0.001	0.001	0.001
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/25/15	L24142-17	ACZ	08/26/15	18:33	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.05		mg/L	0.01	0.05	0.05	0.05	0.05	0.05
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/25/15	L24142-17	ACZ	08/26/15	18:33	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/25/15	L24142-17	ACZ	08/26/15	18:33	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.04	B	mg/L	0.01	0.05	0.04*	0.04	0.04	0.04
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/25/15	L24142-17	ACZ	08/27/15	13:23	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	14.1		mg/L	1	5	14.1	14.1	14.1	14.1
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/25/15	L24142-17	ACZ	09/02/15	19:33	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/25/15	L24142-17	ACZ	09/02/15	19:33	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/25/15	L24142-17	ACZ	09/02/15	19:33	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	08/25/15	L24142-17	ACZ	09/02/15	19:33	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2					

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/08/15	L24142-19	ACZ	09/07/15	10:48	pH measured at		M9045D/M9040C	Leachate	20.8		C	0.1	0.1	20.8	20.8	20.8	20.8
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/08/15	L24142-19	ACZ	09/07/15	11:18	Interstitial Weight		D5744-12	Leachate	145		g			145	145	145	145
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/08/15	L24142-19	ACZ	09/07/15	11:18	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/08/15	L24142-19	ACZ	09/07/15	11:18	Leachate Volume Recovered		D5744-12	Leachate	877		g			877	877	877	877
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/08/15	L24142-19	ACZ	09/07/15	11:22	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	375		mv	1	1	375	375	375	375
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/08/15	L24142-19	ACZ	09/10/15	01:05	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/08/15	L24142-19	ACZ	09/10/15	01:05	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/08/15	L24142-19	ACZ	09/10/15	01:05	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/08/15	L24142-19	ACZ	09/10/15	01:05	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/08/15	L24142-19	ACZ	09/10/15	12:51	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	15.6		mg/L	1	5	15.6	15.6	15.6	15.6
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/08/15	L24142-19	ACZ	09/11/15	12:22	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/08/15	L24142-19	ACZ	09/11/15	12:22	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0004	B	mg/L	0.0001	0.0005	0.0004*	0.0004	0.0004	0.0004
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/08/15	L24142-19	ACZ	09/11/15	12:22	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.001		mg/L	0.0001	0.0005	0.001	0.001	0.001	0.001
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/08/15	L24142-19	ACZ	09/15/15	10:48	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.05		mg/L	0.01	0.05	0.05	0.05	0.05	0.05
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/08/15	L24142-19	ACZ	09/15/15	10:48	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/08/15	L24142-19	ACZ	09/15/15	10:48	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.03	B	mg/L	0.01	0.05	0.03*	0.03	0.03	0.03
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/08/15	L24142-19	ACZ	09/16/15	14:01	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/14/15	09:30	Conductivity--Humidity Cell Test		SM2510B	Leachate	64.5		umhos/cm	1	10	64.5	64.5	64.5	64.5
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/14/15	10:48	pH		M9045D/M9040C	Leachate	4.6		units	0.1	0.1	4.6	4.6	4.6	4.6
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/14/15	10:48	pH measured at		M9045D/M9040C	Leachate	20.5		C	0.1	0.1	20.5	20.5	20.5	20.5
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/14/15	11:00	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	333		mv	1	1	333	333	333	333
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/14/15	11:18	Interstitial Weight		D5744-12	Leachate	158		g			158	158	158	158
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/14/15	11:18	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/14/15	11:18	Leachate Volume Recovered		D5744-12	Leachate	850		g			850	850	850	850
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/17/15	11:18	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	15.7		mg/L	1	5	15.7	15.7	15.7	15.7
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/17/15	18:03	Antimony, dissolved	7440-36-0	M200.8 ICP-MS	Leachate		U	mg/L	0.0004	0.002	<0.0004	-0.0004	0.0004	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/17/15	18:03	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/17/15	18:03	Beryllium, dissolved	7440-41-7	M200.8 ICP-MS	Leachate	0.00006	B	mg/L	0.00005	0.0003	0.00006*	0.00006	0.00006	0.00006
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/17/15	18:03	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0004	B	mg/L	0.0001	0.0005	0.0004*	0.0004	0.0004	0.0004
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/17/15	18:03	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.001		mg/L	0.0001	0.0005	0.001	0.001	0.001	0.001
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/17/15	18:03	Selenium, dissolved	7782-49-2	M200.8 ICP-MS	Leachate	0.0002	B	mg/L	0.0001	0.0003	0.0002*	0.0002	0.0002	0.0002
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/17/15	18:03	Thallium, dissolved	7440-28-0	M200.8 ICP-MS	Leachate		U	mg/L	0.0001	0.0005	<0.0001	-0.0001	0.0001	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/18/15	21:06	Aluminum, dissolved	7429-90-5	M200.7 ICP	Leachate	0.06	B	mg/L	0.03	0.2	0.06*	0.06	0.06	0.06
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/18/15	21:06	Barium, dissolved	7440-39-3	M200.7 ICP	Leachate	0.17		mg/L	0.003	0.02	0.17	0.17	0.17	0.17
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/18/15	21:06	Bismuth, dissolved	7440-69-9	M200.7 ICP	Leachate		U	mg/L	0.04	0.2	<0.04	-0.04	0.04	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/18/15	21:06	Boron, dissolved	7440-42-8	M200.7 ICP	Leachate	0.01	B	mg/L	0.01	0.05	0.01*	0.01	0.01	0.01
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/18/15	21:06	Calcium, dissolved	7440-70-2	M200.7 ICP	Leachate	1.1		mg/L	0.1	0.5	1.1	1.1	1.1	1.1
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/18/15	21:06	Chromium, dissolved	7440-47-3	M200.7 ICP	Leachate		U	mg/L	0.01	0.05	<0.01	-0.01	0.01	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/18/15	21:06	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.05		mg/L	0.01	0.05	0.05	0.05	0.05	0.05
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/18/15	21:06	Gallium, dissolved	7440-55-3	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/18/15	21:06	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/18/15	21:06	Lithium, dissolved	7439-93-2	M200.7 ICP	Leachate		U	mg/L	0.008	0.04	<0.008	-0.008	0.008	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/18/15	21:06	Magnesium, dissolved	7439-95-4	M200.7 ICP	Leachate	0.3	B	mg/L	0.2	1	0.3*	0.3	0.3	0.3
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/18/15	21:06	Manganese, dissolved	7439-96-5	M200.7 ICP	Leachate	0.026	B	mg/L	0.005	0.03	0.026*	0.026	0.026	0.026
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/18/15	21:06	Molybdenum, dissolved	7439-98-7	M200.7 ICP	Leachate		U	mg/L	0.02	0.1	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/18/15	21:06	Nickel, dissolved	7440-02-0	M200.7 ICP	Leachate		U	mg/L	0.008	0.04	<0.008	-0.008	0.008	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/18/15	21:06	Potassium, dissolved	7440-09-7	M200.7 ICP	Leachate	1.3		mg/L	0.2	1	1.3	1.3	1.3	1.3
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/18/15	21:06	Scandium, dissolved	7440-20-2	M200.7 ICP	Leachate		U	mg/L	0.1	0.5	<0.1	-0.1	0.1	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/18/15	21:06	Sodium, dissolved	7440-23-5	M200.7 ICP	Leachate		U	mg/L	0.2	1	<0.2	-0.2	0.2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/18/15	21:06	Strontium, dissolved	7440-24-6	M200.7 ICP	Leachate	9.18		mg/L	0.005	0.03	9.18	9.18	9.18	9.18
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/15/15	L24142-20	ACZ	09/18/15	21:06	Tin, dissolved	7440-31-5	M200.7 ICP	Leachate		U	mg/L	0.04					

Hole ID	Composi e Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/22/15	L24142-21	ACZ	09/24/15	20:39	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/22/15	L24142-21	ACZ	09/24/15	20:39	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/22/15	L24142-21	ACZ	09/25/15	16:43	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.05		mg/L	0.01	0.05	0.05	0.05	0.05	
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/22/15	L24142-21	ACZ	09/25/15	16:43	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/22/15	L24142-21	ACZ	09/25/15	16:43	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.03	B	mg/L	0.01	0.05	0.03*	0.03	0.03	0.03
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/22/15	L24142-21	ACZ	09/28/15	11:29	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	15.6		mg/L	1	5	15.6	15.6	15.6	15.6
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/22/15	L24142-21	ACZ	09/29/15	12:19	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/29/15	L24142-22	ACZ	09/28/15	08:54	Interstitial Weight		D5744-12	Leachate	159		g			159	159	159	159
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/29/15	L24142-22	ACZ	09/28/15	08:54	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/29/15	L24142-22	ACZ	09/28/15	08:54	Leachate Volume Recovered		D5744-12	Leachate	854		g			854	854	854	854
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/29/15	L24142-22	ACZ	09/28/15	09:30	Conductivity--Humidity Cell Test		SM2510B	Leachate	58.3		umhos/cm	1	10	58.3	58.3	58.3	58.3
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/29/15	L24142-22	ACZ	09/28/15	10:48	pH		M9045D/M9040C	Leachate	4.6		units	0.1	0.1	4.6	4.6	4.6	4.6
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/29/15	L24142-22	ACZ	09/28/15	10:48	pH measured at		M9045D/M9040C	Leachate	19.8		C	0.1	0.1	19.8	19.8	19.8	19.8
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/29/15	L24142-22	ACZ	09/28/15	11:00	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	415		mv	1	1	415	415	415	415
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/29/15	L24142-22	ACZ	09/30/15	19:24	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/29/15	L24142-22	ACZ	09/30/15	19:24	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/29/15	L24142-22	ACZ	09/30/15	19:24	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/29/15	L24142-22	ACZ	09/30/15	19:24	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/29/15	L24142-22	ACZ	10/01/15	13:11	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/29/15	L24142-22	ACZ	10/01/15	14:51	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/29/15	L24142-22	ACZ	10/01/15	14:51	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0004	B	mg/L	0.0001	0.0005	0.0004*	0.0004	0.0004	0.0004
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/29/15	L24142-22	ACZ	10/01/15	14:51	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0008		mg/L	0.0001	0.0005	0.0008	0.0008	0.0008	0.0008
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/29/15	L24142-22	ACZ	10/02/15	09:42	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	15.1		mg/L	1	5	15.1	15.1	15.1	15.1
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/29/15	L24142-22	ACZ	10/02/15	23:14	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.05		mg/L	0.01	0.05	0.05	0.05	0.05	0.05
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/29/15	L24142-22	ACZ	10/02/15	23:14	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	09/29/15	L24142-22	ACZ	10/02/15	23:14	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.03	B	mg/L	0.01	0.05	0.03*	0.03	0.03	0.03
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	10/06/15	L24142-23	ACZ	10/05/15	08:33	pH		M9045D/M9040C	Leachate	4.7		units	0.1	0.1	4.7	4.7	4.7	4.7
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	10/06/15	L24142-23	ACZ	10/05/15	08:33	pH measured at		M9045D/M9040C	Leachate	20.1		C	0.1	0.1	20.1	20.1	20.1	20.1
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	10/06/15	L24142-23	ACZ	10/05/15	09:30	Conductivity--Humidity Cell Test		SM2510B	Leachate	52.8		umhos/cm	1	10	52.8	52.8	52.8	52.8
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	10/06/15	L24142-23	ACZ	10/05/15	11:00	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	357		mv	1	1	357	357	357	357
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	10/06/15	L24142-23	ACZ	10/05/15	11:18	Interstitial Weight		D5744-12	Leachate	166		g			166	166	166	166
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	10/06/15	L24142-23	ACZ	10/05/15	11:18	Leachate Volume Added		D5744-12	Leachate	1000		mL			1000	1000	1000	1000
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	10/06/15	L24142-23	ACZ	10/05/15	11:18	Leachate Volume Recovered		D5744-12	Leachate	857		g			857	857	857	857
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	10/06/15	L24142-23	ACZ	10/07/15	15:00	Sulfate	14808-79-8	D516-02/-07 - Turbid	Leachate	14		mg/L	1	5	14	14	14	14
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	10/06/15	L24142-23	ACZ	10/07/15	20:51	Arsenic, dissolved	7440-38-2	M200.8 ICP-MS	Leachate		U	mg/L	0.0002	0.001	<0.0002	-0.0002	0.0002	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	10/06/15	L24142-23	ACZ	10/07/15	20:51	Cadmium, dissolved	7440-43-9	M200.8 ICP-MS	Leachate	0.0004	B	mg/L	0.0001	0.0005	0.0004*	0.0004	0.0004	0.0004
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	10/06/15	L24142-23	ACZ	10/07/15	20:51	Lead, dissolved	7439-92-1	M200.8 ICP-MS	Leachate	0.0008		mg/L	0.0001	0.0005	0.0008	0.0008	0.0008	0.0008
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	10/06/15	L24142-23	ACZ	10/07/15	22:37	Bicarbonate as CaCO3	10139	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	10/06/15	L24142-23	ACZ	10/07/15	22:37	Carbonate as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	10/06/15	L24142-23	ACZ	10/07/15	22:37	Hydroxide as CaCO3		SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	10/06/15	L24142-23	ACZ	10/07/15	22:37	Total Alkalinity	10093	SM2320B - Titration	Leachate		U	mg/L	2	20	<2	-2	2	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	10/06/15	L24142-23	ACZ	10/09/15	20:41	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.05		mg/L	0.01	0.05	0.05	0.05	0.05	0.05
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	10/06/15	L24142-23	ACZ	10/09/15	20:41	Iron, dissolved	7439-89-6	M200.7 ICP	Leachate		U	mg/L	0.02	0.05	<0.02	-0.02	0.02	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	10/06/15	L24142-23	ACZ	10/09/15	20:41	Zinc, dissolved	7440-66-6	M200.7 ICP	Leachate	0.02	B	mg/L	0.01	0.05	0.02*	0.02	0.02	0.02
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	10/06/15	L24142-23	ACZ	10/19/15	11:24	Acidity as CaCO3		SM2310B - Titration	Leachate		U	mg/L	10	20	<10	-10	10	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	10/13/15	L24142-24	ACZ			Acidity as CaCO3		No Data!		0					0	0	0	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	10/13/15	L24142-24	ACZ			End of leach volumes and mass		No Data!		0					0	0	0	0
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	10/13/15	L24142-24	ACZ	10/12/15	09:30	Conductivity--Humidity Cell Test		SM2510B	Leachate	45.3		umhos/cm	1	10	45.3	45.3	45.3	45.3
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	10/13/15	L24142-24	ACZ	10/12/15	10:48	pH		M9045D/M9040C	Leachate	4.7		units	0.1	0.1	4.7	4.7	4.7	4.7
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	10/13/15	L24142-24	ACZ	10/12/15	10:48	pH measured at		M9045D/M9040C	Leachate	19.8		C	0.1	0.1	19.8	19.8	19.8	19.8
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	10/13/15	L24142-24	ACZ	10/12/15	11:00	Oxidation Reduction Potential (Eh)		D1498-08	Leachate	408		mv	1	1	408	408	408	408
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	10/13/15	L24142-24	ACZ	10/15/15	22:35	Copper, dissolved	7440-50-8	M200.7 ICP	Leachate	0.04	B	mg/L	0.01	0.05	0.04*	0.04	0.04	0.04
CPC14-3	Kinetic	HCT	CPC14-3/440-1000/Kinetic	CPC14-3/440-1000/KIN	10/13/15	L24142-24																

Hole ID	Composite	Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Static	XRD		CPC14-3/600-800/Static			L24021-02	DCM			Calcite										0	0	0
CPC14-3	Static	XRD		CPC14-3/800-1000/Static			L24021-03	DCM			Calcite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1000-1200/Static			L24021-04	DCM			Calcite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1200-1400/Static			L24021-05	DCM			Calcite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1400-1600/Static			L24021-06	DCM			Calcite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1600-1800/Static			L24021-07	DCM			Calcite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1800-2000/Static			L24518-01	DCM			Calcite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2000-2200/Static			L24518-02	DCM			Calcite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2200-2400/Static			L24518-03	DCM			Calcite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2400-2600/Static			L24518-04	DCM			Calcite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2600-2800/Static			L24915-01	DCM			Calcite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2800-3000/Static			L24915-02	DCM			Calcite										0	0	0
CPC14-3	Static	XRD		CPC14-3/3000-3200/Static			L24915-03	DCM			Calcite										0	0	0
CPC14-3	Static	XRD		CPC14-3/3200-3400/Static			L24915-04	DCM			Calcite										0	0	0
CPC14-3	Static	XRD		CPC14-3/3400-3600/Static			L24526-01	DCM			Calcite										0	0	0
CPC14-3	Static	XRD		CPC14-3/3600-3800/Static			L24526-02	DCM			Calcite										0	0	0
CPC14-3	Static	XRD		CPC14-3/3800-4000/Static			L24526-03	DCM			Calcite										0	0	0
CPC14-3	Static	XRD		CPC14-3/4000-4200/Static			L24526-04	DCM			Calcite										0	0	0
CPC14-3	Static	XRD		CPC14-3/4200-4400/Static			L24915-05	DCM			Calcite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1800-2600/Kinetic			L24525-01	DCM			Calcite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2600-3400/Kinetic			L24916-01	DCM			Calcite										0	0	0
CPC14-3	Static	XRD		CPC14-3/3400-4200/Kinetic			L24527-01	DCM			Calcite										0	0	0
CPC14-3	Static	XRD		CPC14-3/440-600/Static			L24021-01	DCM			Carbonate/Undifferentiated										0	0	0
CPC14-3	Static	XRD		CPC14-3/600-800/Static			L24021-02	DCM			Carbonate/Undifferentiated										0	0	0
CPC14-3	Static	XRD		CPC14-3/800-1000/Static			L24021-03	DCM			Carbonate/Undifferentiated										0	0	0
CPC14-3	Static	XRD		CPC14-3/1000-1200/Static			L24021-04	DCM			Carbonate/Undifferentiated										0	0	0
CPC14-3	Static	XRD		CPC14-3/1200-1400/Static			L24021-05	DCM			Carbonate/Undifferentiated										0	0	0
CPC14-3	Static	XRD		CPC14-3/1400-1600/Static			L24021-06	DCM			Carbonate/Undifferentiated										0	0	0
CPC14-3	Static	XRD		CPC14-3/1600-1800/Static			L24021-07	DCM			Carbonate/Undifferentiated										0	0	0
CPC14-3	Static	XRD		CPC14-3/1800-2000/Static			L24518-01	DCM			Carbonate/Undifferentiated										0	0	0
CPC14-3	Static	XRD		CPC14-3/2000-2200/Static			L24518-02	DCM			Carbonate/Undifferentiated					U	%	1	<1%		-1	1	0
CPC14-3	Static	XRD		CPC14-3/2200-2400/Static			L24518-03	DCM			Carbonate/Undifferentiated					U	%	1	<1%		-1	1	0
CPC14-3	Static	XRD		CPC14-3/2400-2600/Static			L24518-04	DCM			Carbonate/Undifferentiated					U	%	1	<1%		-1	1	0
CPC14-3	Static	XRD		CPC14-3/2600-2800/Static			L24915-01	DCM			Carbonate/Undifferentiated					U	%	1	<1%		-1	1	0
CPC14-3	Static	XRD		CPC14-3/2800-3000/Static			L24915-02	DCM			Carbonate/Undifferentiated					U	%	1	<1%		-1	1	0
CPC14-3	Static	XRD		CPC14-3/3000-3200/Static			L24915-03	DCM			Carbonate/Undifferentiated					U	%	1	<1%		-1	1	0
CPC14-3	Static	XRD		CPC14-3/3200-3400/Static			L24915-04	DCM			Carbonate/Undifferentiated					U	%	1	<1%		-1	1	0
CPC14-3	Static	XRD		CPC14-3/3400-3600/Static			L24526-01	DCM			Carbonate/Undifferentiated										0	0	0
CPC14-3	Static	XRD		CPC14-3/3600-3800/Static			L24526-02	DCM			Carbonate/Undifferentiated										0	0	0
CPC14-3	Static	XRD		CPC14-3/3800-4000/Static			L24526-03	DCM			Carbonate/Undifferentiated					U	%	1	<1%		-1	1	0
CPC14-3	Static	XRD		CPC14-3/4000-4200/Static			L24526-04	DCM			Carbonate/Undifferentiated					U	%	1	<1%		-1	1	0
CPC14-3	Static	XRD		CPC14-3/4200-4400/Static			L24915-05	DCM			Carbonate/Undifferentiated					U	%	1	<1%		-1	1	0
CPC14-3	Static	XRD		CPC14-3/1800-2600/Kinetic			L24525-01	DCM			Carbonate/Undifferentiated					U	%	1	<1%		-1	1	0
CPC14-3	Static	XRD		CPC14-3/2600-3400/Kinetic			L24916-01	DCM			Carbonate/Undifferentiated					U	%	1	<1%		-1	1	0
CPC14-3	Static	XRD		CPC14-3/3400-4200/Kinetic			L24527-01	DCM			Carbonate/Undifferentiated										0	0	0
CPC14-3	Static	XRD		CPC14-3/440-600/Static			L24021-01	DCM			Dolomite										0	0	0
CPC14-3	Static	XRD		CPC14-3/600-800/Static			L24021-02	DCM			Dolomite										0	0	0
CPC14-3	Static	XRD		CPC14-3/800-1000/Static			L24021-03	DCM			Dolomite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1000-1200/Static			L24021-04	DCM			Dolomite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1200-1400/Static			L24021-05	DCM			Dolomite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1400-1600/Static			L24021-06	DCM			Dolomite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1600-1800/Static			L24021-07	DCM			Dolomite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1800-2000/Static			L24518-01	DCM			Dolomite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2000-2200/Static			L24518-02	DCM			Dolomite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2200-2400/Static			L24518-03	DCM			Dolomite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2400-2600/Static			L24518-04	DCM			Dolomite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2600-2800/Static			L24915-01	DCM			Dolomite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2800-3000/Static			L24915-02	DCM			Dolomite										0	0	0
CPC14-3	Static	XRD		CPC14-3/3000-3200/Static			L24915-03	DCM			Dolomite										0	0	0
CPC14-3	Static	XRD		CPC14-3/3200-3400/Static			L24915-04	DCM			Dolomite										0	0	0
CPC14-3	Static	XRD		CPC14-3/3400-3600/Static			L24526-01	DCM			Dolomite					7	%			7%	7	7	7
CPC14-3	Static	XRD		CPC14-3/3600-3800/Static			L24526-02	DCM			Dolomite					7	%			7%	7	7	7
CPC14-3	Static	XRD		CPC14-3/3800-4000/Static			L24526-03	DCM			Dolomite										0	0	0
CPC14-3	Static	XRD		CPC14-3/4000-4200/Static			L24526-04	DCM			Dolomite										0	0	0
CPC14-3	Static	XRD		CPC14-3/4200-4400/Static			L24915-05	DCM			Dolomite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1800-2600/Kinetic			L24525-01	DCM			Dolomite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2600-3400/Kinetic			L24916-01	DCM			Dolomite										0	0	0
CPC14-3	Static	XRD		CPC14-3/3400-4200/Kinetic			L24527-01	DCM			Dolomite					6	%			6%	6	6	6
CPC14-3	Static	XRD		CPC14-3/440-600/Static			L24021-01	DCM			Goethite										0	0	0
CPC14-3	Static	XRD		CPC14-3/600-800/Static			L24021-02	DCM			Goethite										0	0	0
CPC14-3	Static	XRD		CPC14-3/800-1000/Static			L24021-03	DCM			Goethite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1000-1200/Static			L24021-04	DCM			Goethite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1200-1400/Static			L24021-05	DCM			Goethite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1400-1600/Static			L24021-06	DCM			Goethite										0	0	0

Hole ID	Composite	Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Static	XRD		CPC14-3/1600-1800/Static			L24021-07	DCM			Goethite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1800-2000/Static			L24518-01	DCM			Goethite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2000-2200/Static			L24518-02	DCM			Goethite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2200-2400/Static			L24518-03	DCM			Goethite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2400-2600/Static			L24518-04	DCM			Goethite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2600-2800/Static			L24915-01	DCM			Goethite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2800-3000/Static			L24915-02	DCM			Goethite										0	0	0
CPC14-3	Static	XRD		CPC14-3/3000-3200/Static			L24915-03	DCM			Goethite										0	0	0
CPC14-3	Static	XRD		CPC14-3/3200-3400/Static			L24915-04	DCM			Goethite										0	0	0
CPC14-3	Static	XRD		CPC14-3/3400-3600/Static			L24526-01	DCM			Goethite										0	0	0
CPC14-3	Static	XRD		CPC14-3/3600-3800/Static			L24526-02	DCM			Goethite										0	0	0
CPC14-3	Static	XRD		CPC14-3/3800-4000/Static			L24526-03	DCM			Goethite										0	0	0
CPC14-3	Static	XRD		CPC14-3/4000-4200/Static			L24526-04	DCM			Goethite										0	0	0
CPC14-3	Static	XRD		CPC14-3/4200-4400/Static			L24915-05	DCM			Goethite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1800-2600/Kinetic			L24525-01	DCM			Goethite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2600-3400/Kinetic			L24916-01	DCM			Goethite										0	0	0
CPC14-3	Static	XRD		CPC14-3/3400-4200/Kinetic			L24527-01	DCM			Goethite										0	0	0
CPC14-3	Static	XRD		CPC14-3/440-600/Static			L24021-01	DCM			Gypsum										0	0	0
CPC14-3	Static	XRD		CPC14-3/600-800/Static			L24021-02	DCM			Gypsum										0	0	0
CPC14-3	Static	XRD		CPC14-3/800-1000/Static			L24021-03	DCM			Gypsum										0	0	0
CPC14-3	Static	XRD		CPC14-3/1000-1200/Static			L24021-04	DCM			Gypsum										0	0	0
CPC14-3	Static	XRD		CPC14-3/1200-1400/Static			L24021-05	DCM			Gypsum										0	0	0
CPC14-3	Static	XRD		CPC14-3/1400-1600/Static			L24021-06	DCM			Gypsum										0	0	0
CPC14-3	Static	XRD		CPC14-3/1600-1800/Static			L24021-07	DCM			Gypsum										0	0	0
CPC14-3	Static	XRD		CPC14-3/1800-2000/Static			L24518-01	DCM			Gypsum										0	0	0
CPC14-3	Static	XRD		CPC14-3/2000-2200/Static			L24518-02	DCM			Gypsum										0	0	0
CPC14-3	Static	XRD		CPC14-3/2200-2400/Static			L24518-03	DCM			Gypsum										0	0	0
CPC14-3	Static	XRD		CPC14-3/2400-2600/Static			L24518-04	DCM			Gypsum										0	0	0
CPC14-3	Static	XRD		CPC14-3/2600-2800/Static			L24915-01	DCM			Gypsum										0	0	0
CPC14-3	Static	XRD		CPC14-3/2800-3000/Static			L24915-02	DCM			Gypsum										0	0	0
CPC14-3	Static	XRD		CPC14-3/3000-3200/Static			L24915-03	DCM			Gypsum										0	0	0
CPC14-3	Static	XRD		CPC14-3/3200-3400/Static			L24915-04	DCM			Gypsum										0	0	0
CPC14-3	Static	XRD		CPC14-3/3400-3600/Static			L24526-01	DCM			Gypsum										0	0	0
CPC14-3	Static	XRD		CPC14-3/3600-3800/Static			L24526-02	DCM			Gypsum										0	0	0
CPC14-3	Static	XRD		CPC14-3/3800-4000/Static			L24526-03	DCM			Gypsum										0	0	0
CPC14-3	Static	XRD		CPC14-3/4000-4200/Static			L24526-04	DCM			Gypsum										0	0	0
CPC14-3	Static	XRD		CPC14-3/4200-4400/Static			L24915-05	DCM			Gypsum										0	0	0
CPC14-3	Static	XRD		CPC14-3/1800-2600/Kinetic			L24525-01	DCM			Gypsum										0	0	0
CPC14-3	Static	XRD		CPC14-3/2600-3400/Kinetic			L24916-01	DCM			Gypsum										0	0	0
CPC14-3	Static	XRD		CPC14-3/3400-4200/Kinetic			L24527-01	DCM			Gypsum										0	0	0
CPC14-3	Static	XRD		CPC14-3/440-600/Static			L24021-01	DCM			Hematite										2	2	2
CPC14-3	Static	XRD		CPC14-3/600-800/Static			L24021-02	DCM			Hematite										1	1	1
CPC14-3	Static	XRD		CPC14-3/800-1000/Static			L24021-03	DCM			Hematite										4	4	4
CPC14-3	Static	XRD		CPC14-3/1000-1200/Static			L24021-04	DCM			Hematite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1200-1400/Static			L24021-05	DCM			Hematite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1400-1600/Static			L24021-06	DCM			Hematite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1600-1800/Static			L24021-07	DCM			Hematite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1800-2000/Static			L24518-01	DCM			Hematite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2000-2200/Static			L24518-02	DCM			Hematite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2200-2400/Static			L24518-03	DCM			Hematite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2400-2600/Static			L24518-04	DCM			Hematite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2600-2800/Static			L24915-01	DCM			Hematite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2800-3000/Static			L24915-02	DCM			Hematite										0	0	0
CPC14-3	Static	XRD		CPC14-3/3000-3200/Static			L24915-03	DCM			Hematite										0	0	0
CPC14-3	Static	XRD		CPC14-3/3200-3400/Static			L24915-04	DCM			Hematite										0	0	0
CPC14-3	Static	XRD		CPC14-3/3400-3600/Static			L24526-01	DCM			Hematite										0	0	0
CPC14-3	Static	XRD		CPC14-3/3600-3800/Static			L24526-02	DCM			Hematite										0	0	0
CPC14-3	Static	XRD		CPC14-3/3800-4000/Static			L24526-03	DCM			Hematite										0	0	0
CPC14-3	Static	XRD		CPC14-3/4000-4200/Static			L24526-04	DCM			Hematite										0	0	0
CPC14-3	Static	XRD		CPC14-3/4200-4400/Static			L24915-05	DCM			Hematite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1800-2600/Kinetic			L24525-01	DCM			Hematite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2600-3400/Kinetic			L24916-01	DCM			Hematite										0	0	0
CPC14-3	Static	XRD		CPC14-3/3400-4200/Kinetic			L24527-01	DCM			Hematite										0	0	0
CPC14-3	Static	XRD		CPC14-3/440-600/Static			L24021-01	DCM			Jarosite										2	2	2
CPC14-3	Static	XRD		CPC14-3/600-800/Static			L24021-02	DCM			Jarosite										3	3	3
CPC14-3	Static	XRD		CPC14-3/800-1000/Static			L24021-03	DCM			Jarosite										1	1	1
CPC14-3	Static	XRD		CPC14-3/1000-1200/Static			L24021-04	DCM			Jarosite										U	2	0
CPC14-3	Static	XRD		CPC14-3/1200-1400/Static			L24021-05	DCM			Jarosite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1400-1600/Static			L24021-06	DCM			Jarosite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1600-1800/Static			L24021-07	DCM			Jarosite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1800-2000/Static			L24518-01	DCM			Jarosite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2000-2200/Static			L24518-02	DCM			Jarosite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2200-2400/Static			L24518-03	DCM			Jarosite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2400-2600/Static			L24518-04	DCM			Jarosite										0	0	0

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Static	XRD	CPC14-3/2600-2800/Static			L24915-01	DCM			Jarosite										0	0	0
CPC14-3	Static	XRD	CPC14-3/2800-3000/Static			L24915-02	DCM			Jarosite										0	0	0
CPC14-3	Static	XRD	CPC14-3/3000-3200/Static			L24915-03	DCM			Jarosite										0	0	0
CPC14-3	Static	XRD	CPC14-3/3200-3400/Static			L24915-04	DCM			Jarosite										0	0	0
CPC14-3	Static	XRD	CPC14-3/3400-3600/Static			L24526-01	DCM			Jarosite										0	0	0
CPC14-3	Static	XRD	CPC14-3/3600-3800/Static			L24526-02	DCM			Jarosite										0	0	0
CPC14-3	Static	XRD	CPC14-3/3800-4000/Static			L24526-03	DCM			Jarosite										0	0	0
CPC14-3	Static	XRD	CPC14-3/4000-4200/Static			L24526-04	DCM			Jarosite										0	0	0
CPC14-3	Static	XRD	CPC14-3/4200-4400/Static			L24915-05	DCM			Jarosite										0	0	0
CPC14-3	Static	XRD	CPC14-3/1800-2600/Kinetic			L24525-01	DCM			Jarosite										0	0	0
CPC14-3	Static	XRD	CPC14-3/2600-3400/Kinetic			L24916-01	DCM			Jarosite										0	0	0
CPC14-3	Static	XRD	CPC14-3/3400-4200/Kinetic			L24527-01	DCM			Jarosite										0	0	0
CPC14-3	Static	XRD	CPC14-3/440-600/Static			L24021-01	DCM			K-Feldspar				58	%				58%	58	58	58
CPC14-3	Static	XRD	CPC14-3/600-800/Static			L24021-02	DCM			K-Feldspar				61	%				61%	61	61	61
CPC14-3	Static	XRD	CPC14-3/800-1000/Static			L24021-03	DCM			K-Feldspar				56	%				56%	56	56	56
CPC14-3	Static	XRD	CPC14-3/1000-1200/Static			L24021-04	DCM			K-Feldspar				31	%				31%	31	31	31
CPC14-3	Static	XRD	CPC14-3/1200-1400/Static			L24021-05	DCM			K-Feldspar				28	%				28%	28	28	28
CPC14-3	Static	XRD	CPC14-3/1400-1600/Static			L24021-06	DCM			K-Feldspar				38	%				38%	38	38	38
CPC14-3	Static	XRD	CPC14-3/1600-1800/Static			L24021-07	DCM			K-Feldspar				37	%				37%	37	37	37
CPC14-3	Static	XRD	CPC14-3/1800-2000/Static			L24518-01	DCM			K-Feldspar				23	%				23%	23	23	23
CPC14-3	Static	XRD	CPC14-3/2000-2200/Static			L24518-02	DCM			K-Feldspar				19	%				19%	19	19	19
CPC14-3	Static	XRD	CPC14-3/2200-2400/Static			L24518-03	DCM			K-Feldspar				18	%				18%	18	18	18
CPC14-3	Static	XRD	CPC14-3/2400-2600/Static			L24518-04	DCM			K-Feldspar				15	%				15%	15	15	15
CPC14-3	Static	XRD	CPC14-3/2600-2800/Static			L24915-01	DCM			K-Feldspar				13	%				13%	13	13	13
CPC14-3	Static	XRD	CPC14-3/2800-3000/Static			L24915-02	DCM			K-Feldspar				20	%				20%	20	20	20
CPC14-3	Static	XRD	CPC14-3/3000-3200/Static			L24915-03	DCM			K-Feldspar				28	%				28%	28	28	28
CPC14-3	Static	XRD	CPC14-3/3200-3400/Static			L24915-04	DCM			K-Feldspar				21	%				21%	21	21	21
CPC14-3	Static	XRD	CPC14-3/3400-3600/Static			L24526-01	DCM			K-Feldspar				29	%				29%	29	29	29
CPC14-3	Static	XRD	CPC14-3/3600-3800/Static			L24526-02	DCM			K-Feldspar				31	%				31%	31	31	31
CPC14-3	Static	XRD	CPC14-3/3800-4000/Static			L24526-03	DCM			K-Feldspar				32	%				32%	32	32	32
CPC14-3	Static	XRD	CPC14-3/4000-4200/Static			L24526-04	DCM			K-Feldspar				27	%				27%	27	27	27
CPC14-3	Static	XRD	CPC14-3/4200-4400/Static			L24915-05	DCM			K-Feldspar				30	%				30%	30	30	30
CPC14-3	Static	XRD	CPC14-3/1800-2600/Kinetic			L24525-01	DCM			K-Feldspar				19	%				19%	19	19	19
CPC14-3	Static	XRD	CPC14-3/2600-3400/Kinetic			L24916-01	DCM			K-Feldspar				22	%				22%	22	22	22
CPC14-3	Static	XRD	CPC14-3/3400-4200/Kinetic			L24527-01	DCM			K-Feldspar				27	%				27%	27	27	27
CPC14-3	Static	XRD	CPC14-3/440-600/Static			L24021-01	DCM			Mica				13	%				13%	13	13	13
CPC14-3	Static	XRD	CPC14-3/600-800/Static			L24021-02	DCM			Mica				7	%				7%	7	7	7
CPC14-3	Static	XRD	CPC14-3/800-1000/Static			L24021-03	DCM			Mica				7	%				7%	7	7	7
CPC14-3	Static	XRD	CPC14-3/1000-1200/Static			L24021-04	DCM			Mica				7	%				7%	7	7	7
CPC14-3	Static	XRD	CPC14-3/1200-1400/Static			L24021-05	DCM			Mica				5	%				5%	5	5	5
CPC14-3	Static	XRD	CPC14-3/1400-1600/Static			L24021-06	DCM			Mica				5	%				5%	5	5	5
CPC14-3	Static	XRD	CPC14-3/1600-1800/Static			L24021-07	DCM			Mica				7	%				7%	7	7	7
CPC14-3	Static	XRD	CPC14-3/1800-2000/Static			L24518-01	DCM			Mica				8	%				8%	8	8	8
CPC14-3	Static	XRD	CPC14-3/2000-2200/Static			L24518-02	DCM			Mica				11	%				11%	11	11	11
CPC14-3	Static	XRD	CPC14-3/2200-2400/Static			L24518-03	DCM			Mica				9	%				9%	9	9	9
CPC14-3	Static	XRD	CPC14-3/2400-2600/Static			L24518-04	DCM			Mica				11	%				11%	11	11	11
CPC14-3	Static	XRD	CPC14-3/2600-2800/Static			L24915-01	DCM			Mica				13	%				13%	13	13	13
CPC14-3	Static	XRD	CPC14-3/2800-3000/Static			L24915-02	DCM			Mica				6	%				6%	6	6	6
CPC14-3	Static	XRD	CPC14-3/3000-3200/Static			L24915-03	DCM			Mica				4	%				4%	4	4	4
CPC14-3	Static	XRD	CPC14-3/3200-3400/Static			L24915-04	DCM			Mica				22	%				22%	22	22	22
CPC14-3	Static	XRD	CPC14-3/3400-3600/Static			L24526-01	DCM			Mica				9	%				9%	9	9	9
CPC14-3	Static	XRD	CPC14-3/3600-3800/Static			L24526-02	DCM			Mica				2	%				2%	2	2	2
CPC14-3	Static	XRD	CPC14-3/3800-4000/Static			L24526-03	DCM			Mica				4	%				4%	4	4	4
CPC14-3	Static	XRD	CPC14-3/4000-4200/Static			L24526-04	DCM			Mica				9	%				9%	9	9	9
CPC14-3	Static	XRD	CPC14-3/4200-4400/Static			L24915-05	DCM			Mica				6	%				6%	6	6	6
CPC14-3	Static	XRD	CPC14-3/1800-2600/Kinetic			L24525-01	DCM			Mica				12	%				12%	12	12	12
CPC14-3	Static	XRD	CPC14-3/2600-3400/Kinetic			L24916-01	DCM			Mica				12	%				12%	12	12	12
CPC14-3	Static	XRD	CPC14-3/3400-4200/Kinetic			L24527-01	DCM			Mica				10	%				10%	10	10	10
CPC14-3	Static	XRD	CPC14-3/440-600/Static			L24021-01	DCM			Plagioclase				4	%				4%	4	4	4
CPC14-3	Static	XRD	CPC14-3/600-800/Static			L24021-02	DCM			Plagioclase				3	%				3%	3	3	3
CPC14-3	Static	XRD	CPC14-3/800-1000/Static			L24021-03	DCM			Plagioclase				7	%				7%	7	7	7
CPC14-3	Static	XRD	CPC14-3/1000-1200/Static			L24021-04	DCM			Plagioclase				32	%				32%	32	32	32
CPC14-3	Static	XRD	CPC14-3/1200-1400/Static			L24021-05	DCM			Plagioclase				30	%				30%	30	30	30
CPC14-3	Static	XRD	CPC14-3/1400-1600/Static			L24021-06	DCM			Plagioclase				37	%				37%	37	37	37
CPC14-3	Static	XRD	CPC14-3/1600-1800/Static			L24021-07	DCM			Plagioclase				43	%				43%	43	43	43
CPC14-3	Static	XRD	CPC14-3/1800-2000/Static			L24518-01	DCM			Plagioclase				46	%				46%	46	46	46
CPC14-3	Static	XRD	CPC14-3/2000-2200/Static			L24518-02	DCM			Plagioclase				47	%				47%	47	47	47
CPC14-3	Static	XRD	CPC14-3/2200-2400/Static			L24518-03	DCM			Plagioclase				45	%				45%	45	45	45
CPC14-3	Static	XRD	CPC14-3/2400-2600/Static			L24518-04	DCM			Plagioclase				40	%				40%	40	40	40
CPC14-3	Static	XRD	CPC14-3/2600-2800/Static			L24915-01	DCM			Plagioclase				42	%				42%	42	42	42
CPC14-3	Static	XRD	CPC14-3/2800-3000/Static			L24915-02	DCM			Plagioclase				50	%				50%	50	50	50
CPC14-3	Static	XRD	CPC14-3/3000-3200/Static			L24915-03	DCM			Plagioclase				33	%				33%	33	33	33
CPC14-3	Static	XRD	CPC14-3/3200-3400/Static			L24915-04	DCM			Plagioclase				31	%				31%	31	31	31
CPC14-3	Static	XRD	CPC14-3/3400-3600/Static			L24526-01	DCM			Plagioclase				30	%				30%	30	30	30

Hole ID	Composite	Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Static	XRD		CPC14-3/3600-3800/Static			L24526-02	DCM			Plagioclase				40		%			40%	40	40	40
CPC14-3	Static	XRD		CPC14-3/3800-4000/Static			L24526-03	DCM			Plagioclase				51		%			51%	51	51	51
CPC14-3	Static	XRD		CPC14-3/4000-4200/Static			L24526-04	DCM			Plagioclase				32		%			32%	32	32	32
CPC14-3	Static	XRD		CPC14-3/4200-4400/Static			L24915-05	DCM			Plagioclase				29		%			29%	29	29	29
CPC14-3	Static	XRD		CPC14-3/1800-2600/Kinetic			L24525-01	DCM			Plagioclase				48		%			48%	48	48	48
CPC14-3	Static	XRD		CPC14-3/2600-3400/Kinetic			L24916-01	DCM			Plagioclase				37		%			37%	37	37	37
CPC14-3	Static	XRD		CPC14-3/3400-4200/Kinetic			L24527-01	DCM			Plagioclase				35		%			35%	35	35	35
CPC14-3	Static	XRD		CPC14-3/440-600/Static			L24021-01	DCM			Pyrite										0	0	0
CPC14-3	Static	XRD		CPC14-3/600-800/Static			L24021-02	DCM			Pyrite										0	0	0
CPC14-3	Static	XRD		CPC14-3/800-1000/Static			L24021-03	DCM			Pyrite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1000-1200/Static			L24021-04	DCM			Pyrite				5		%			5%	5	5	5
CPC14-3	Static	XRD		CPC14-3/1200-1400/Static			L24021-05	DCM			Pyrite				9		%			9%	9	9	9
CPC14-3	Static	XRD		CPC14-3/1400-1600/Static			L24021-06	DCM			Pyrite				7		%			7%	7	7	7
CPC14-3	Static	XRD		CPC14-3/1600-1800/Static			L24021-07	DCM			Pyrite				6		%			6%	6	6	6
CPC14-3	Static	XRD		CPC14-3/1800-2000/Static			L24518-01	DCM			Pyrite				9		%			9%	9	9	9
CPC14-3	Static	XRD		CPC14-3/2000-2200/Static			L24518-02	DCM			Pyrite				9		%			9%	9	9	9
CPC14-3	Static	XRD		CPC14-3/2200-2400/Static			L24518-03	DCM			Pyrite				8		%			8%	8	8	8
CPC14-3	Static	XRD		CPC14-3/2400-2600/Static			L24518-04	DCM			Pyrite				5		%			5%	5	5	5
CPC14-3	Static	XRD		CPC14-3/2600-2800/Static			L24915-01	DCM			Pyrite				9		%			9%	9	9	9
CPC14-3	Static	XRD		CPC14-3/2800-3000/Static			L24915-02	DCM			Pyrite				7		%			7%	7	7	7
CPC14-3	Static	XRD		CPC14-3/3000-3200/Static			L24915-03	DCM			Pyrite				5		%			5%	5	5	5
CPC14-3	Static	XRD		CPC14-3/3200-3400/Static			L24915-04	DCM			Pyrite				4		%			4%	4	4	4
CPC14-3	Static	XRD		CPC14-3/3400-3600/Static			L24526-01	DCM			Pyrite				6		%			6%	6	6	6
CPC14-3	Static	XRD		CPC14-3/3600-3800/Static			L24526-02	DCM			Pyrite				7		%			7%	7	7	7
CPC14-3	Static	XRD		CPC14-3/3800-4000/Static			L24526-03	DCM			Pyrite				6		%			6%	6	6	6
CPC14-3	Static	XRD		CPC14-3/4000-4200/Static			L24526-04	DCM			Pyrite				5		%			5%	5	5	5
CPC14-3	Static	XRD		CPC14-3/4200-4400/Static			L24915-05	DCM			Pyrite				7		%			7%	7	7	7
CPC14-3	Static	XRD		CPC14-3/1800-2600/Kinetic			L24525-01	DCM			Pyrite				10		%			10%	10	10	10
CPC14-3	Static	XRD		CPC14-3/2600-3400/Kinetic			L24916-01	DCM			Pyrite				6		%			6%	6	6	6
CPC14-3	Static	XRD		CPC14-3/3400-4200/Kinetic			L24527-01	DCM			Pyrite				9		%			9%	9	9	9
CPC14-3	Static	XRD		CPC14-3/440-600/Static			L24021-01	DCM			Quartz					U	%	2		<2%	-2	2	0
CPC14-3	Static	XRD		CPC14-3/600-800/Static			L24021-02	DCM			Quartz					U	%	2		<2%	-2	2	0
CPC14-3	Static	XRD		CPC14-3/800-1000/Static			L24021-03	DCM			Quartz				6		%			6%	6	6	6
CPC14-3	Static	XRD		CPC14-3/1000-1200/Static			L24021-04	DCM			Quartz				3		%			3%	3	3	3
CPC14-3	Static	XRD		CPC14-3/1200-1400/Static			L24021-05	DCM			Quartz				4		%			4%	4	4	4
CPC14-3	Static	XRD		CPC14-3/1400-1600/Static			L24021-06	DCM			Quartz				4		%			4%	4	4	4
CPC14-3	Static	XRD		CPC14-3/1600-1800/Static			L24021-07	DCM			Quartz				2		%			2%	2	2	2
CPC14-3	Static	XRD		CPC14-3/1800-2000/Static			L24518-01	DCM			Quartz				4		%			4%	4	4	4
CPC14-3	Static	XRD		CPC14-3/2000-2200/Static			L24518-02	DCM			Quartz				3		%			3%	3	3	3
CPC14-3	Static	XRD		CPC14-3/2200-2400/Static			L24518-03	DCM			Quartz				3		%			3%	3	3	3
CPC14-3	Static	XRD		CPC14-3/2400-2600/Static			L24518-04	DCM			Quartz				3		%			3%	3	3	3
CPC14-3	Static	XRD		CPC14-3/2600-2800/Static			L24915-01	DCM			Quartz				2		%			2%	2	2	2
CPC14-3	Static	XRD		CPC14-3/2800-3000/Static			L24915-02	DCM			Quartz				5		%			5%	5	5	5
CPC14-3	Static	XRD		CPC14-3/3000-3200/Static			L24915-03	DCM			Quartz				23		%			23%	23	23	23
CPC14-3	Static	XRD		CPC14-3/3200-3400/Static			L24915-04	DCM			Quartz				17		%			17%	17	17	17
CPC14-3	Static	XRD		CPC14-3/3400-3600/Static			L24526-01	DCM			Quartz				8		%			8%	8	8	8
CPC14-3	Static	XRD		CPC14-3/3600-3800/Static			L24526-02	DCM			Quartz				4		%			4%	4	4	4
CPC14-3	Static	XRD		CPC14-3/3800-4000/Static			L24526-03	DCM			Quartz				3		%			3%	3	3	3
CPC14-3	Static	XRD		CPC14-3/4000-4200/Static			L24526-04	DCM			Quartz				15		%			15%	15	15	15
CPC14-3	Static	XRD		CPC14-3/4200-4400/Static			L24915-05	DCM			Quartz				24		%			24%	24	24	24
CPC14-3	Static	XRD		CPC14-3/1800-2600/Kinetic			L24525-01	DCM			Quartz				3		%			3%	3	3	3
CPC14-3	Static	XRD		CPC14-3/2600-3400/Kinetic			L24916-01	DCM			Quartz				3		%			3%	3	3	3
CPC14-3	Static	XRD		CPC14-3/3400-4200/Kinetic			L24527-01	DCM			Quartz				8		%			8%	8	8	8
CPC14-3	Static	XRD		CPC14-3/440-600/Static			L24021-01	DCM			Rhodochrosite										0	0	0
CPC14-3	Static	XRD		CPC14-3/600-800/Static			L24021-02	DCM			Rhodochrosite										0	0	0
CPC14-3	Static	XRD		CPC14-3/800-1000/Static			L24021-03	DCM			Rhodochrosite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1000-1200/Static			L24021-04	DCM			Rhodochrosite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1200-1400/Static			L24021-05	DCM			Rhodochrosite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1400-1600/Static			L24021-06	DCM			Rhodochrosite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1600-1800/Static			L24021-07	DCM			Rhodochrosite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1800-2000/Static			L24518-01	DCM			Rhodochrosite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2000-2200/Static			L24518-02	DCM			Rhodochrosite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2200-2400/Static			L24518-03	DCM			Rhodochrosite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2400-2600/Static			L24518-04	DCM			Rhodochrosite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2600-2800/Static			L24915-01	DCM			Rhodochrosite										0	0	0
CPC14-3	Static	XRD		CPC14-3/2800-3000/Static			L24915-02	DCM			Rhodochrosite										0	0	0
CPC14-3	Static	XRD		CPC14-3/3000-3200/Static			L24915-03	DCM			Rhodochrosite										0	0	0
CPC14-3	Static	XRD		CPC14-3/3200-3400/Static			L24915-04	DCM			Rhodochrosite										0	0	0
CPC14-3	Static	XRD		CPC14-3/3400-3600/Static			L24526-01	DCM			Rhodochrosite										0	0	0
CPC14-3	Static	XRD		CPC14-3/3600-3800/Static			L24526-02	DCM			Rhodochrosite										0	0	0
CPC14-3	Static	XRD		CPC14-3/3800-4000/Static			L24526-03	DCM			Rhodochrosite										0	0	0
CPC14-3	Static	XRD		CPC14-3/4000-4200/Static			L24526-04	DCM			Rhodochrosite										0	0	0
CPC14-3	Static	XRD		CPC14-3/4200-4400/Static			L24915-05	DCM			Rhodochrosite										0	0	0
CPC14-3	Static	XRD		CPC14-3/1800-2600/Kinetic			L24525-01	DCM			Rhodochrosite										0	0	0

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Static	XRD	CPC14-3/2600-3400/Kinetic			L24916-01	DCM			Rhodochrosite										0	0	0
CPC14-3	Static	XRD	CPC14-3/3400-4200/Kinetic			L24527-01	DCM			Rhodochrosite										0	0	0
CPC14-3	Static	XRD	CPC14-3/440-600/Static			L24021-01	DCM			Unaccounted/Amorphous				21		%			21%	21	21	21
CPC14-3	Static	XRD	CPC14-3/600-800/Static			L24021-02	DCM			Unaccounted/Amorphous				25		%			25%	25	25	25
CPC14-3	Static	XRD	CPC14-3/800-1000/Static			L24021-03	DCM			Unaccounted/Amorphous				19		%			19%	19	19	19
CPC14-3	Static	XRD	CPC14-3/1000-1200/Static			L24021-04	DCM			Unaccounted/Amorphous				22		%			22%	22	22	22
CPC14-3	Static	XRD	CPC14-3/1200-1400/Static			L24021-05	DCM			Unaccounted/Amorphous				24		%			24%	24	24	24
CPC14-3	Static	XRD	CPC14-3/1400-1600/Static			L24021-06	DCM			Unaccounted/Amorphous				9		%			9%	9	9	9
CPC14-3	Static	XRD	CPC14-3/1600-1800/Static			L24021-07	DCM			Unaccounted/Amorphous				5		%			5%	5	5	5
CPC14-3	Static	XRD	CPC14-3/1800-2000/Static			L24518-01	DCM			Unaccounted/Amorphous				10		%			10%	10	10	10
CPC14-3	Static	XRD	CPC14-3/2000-2200/Static			L24518-02	DCM			Unaccounted/Amorphous				11		%			11%	11	11	11
CPC14-3	Static	XRD	CPC14-3/2200-2400/Static			L24518-03	DCM			Unaccounted/Amorphous				15		%			15%	15	15	15
CPC14-3	Static	XRD	CPC14-3/2400-2600/Static			L24518-04	DCM			Unaccounted/Amorphous				13		%			13%	13	13	13
CPC14-3	Static	XRD	CPC14-3/2600-2800/Static			L24915-01	DCM			Unaccounted/Amorphous				9		%			9%	9	9	9
CPC14-3	Static	XRD	CPC14-3/2800-3000/Static			L24915-02	DCM			Unaccounted/Amorphous				2		%			2%	2	2	2
CPC14-3	Static	XRD	CPC14-3/3000-3200/Static			L24915-03	DCM			Unaccounted/Amorphous				4		%			4%	4	4	4
CPC14-3	Static	XRD	CPC14-3/3200-3400/Static			L24915-04	DCM			Unaccounted/Amorphous				1		%			1%	1	1	1
CPC14-3	Static	XRD	CPC14-3/3400-3600/Static			L24526-01	DCM			Unaccounted/Amorphous				1		%			1%	1	1	1
CPC14-3	Static	XRD	CPC14-3/3600-3800/Static			L24526-02	DCM			Unaccounted/Amorphous				5		%			5%	5	5	5
CPC14-3	Static	XRD	CPC14-3/3800-4000/Static			L24526-03	DCM			Unaccounted/Amorphous				1		%			1%	1	1	1
CPC14-3	Static	XRD	CPC14-3/4000-4200/Static			L24526-04	DCM			Unaccounted/Amorphous				10		%			10%	10	10	10
CPC14-3	Static	XRD	CPC14-3/4200-4400/Static			L24915-05	DCM			Unaccounted/Amorphous				1		%			1%	1	1	1
CPC14-3	Static	XRD	CPC14-3/1800-2600/Kinetic			L24525-01	DCM			Unaccounted/Amorphous				6		%			6%	6	6	6
CPC14-3	Static	XRD	CPC14-3/2600-3400/Kinetic			L24916-01	DCM			Unaccounted/Amorphous				8		%			8%	8	8	8
CPC14-3	Static	XRD	CPC14-3/3400-4200/Kinetic			L24527-01	DCM			Unaccounted/Amorphous				1		%			1%	1	1	1
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Sample Weight			Soil-4 Acid Digest	0.11		kg			0.11	0.11	0.11	0.11
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Sample Weight			Soil-4 Acid Digest	0.11		kg			0.11	0.11	0.11	0.11
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Sample Weight			Soil-4 Acid Digest	0.12		kg			0.12	0.12	0.12	0.12
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Sample Weight			Soil-4 Acid Digest	0.13		kg			0.13	0.13	0.13	0.13
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Sample Weight			Soil-4 Acid Digest	0.13		kg			0.13	0.13	0.13	0.13
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Sample Weight			Soil-4 Acid Digest	0.13		kg			0.13	0.13	0.13	0.13
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Sample Weight			Soil-4 Acid Digest	0.12		kg			0.12	0.12	0.12	0.12
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Sample Weight			Soil-4 Acid Digest	0.21		kg			0.21	0.21	0.21	0.21
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Sample Weight			Soil-4 Acid Digest	0.2		kg			0.2	0.2	0.2	0.2
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Sample Weight			Soil-4 Acid Digest	0.18		kg			0.18	0.18	0.18	0.18
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Sample Weight			Soil-4 Acid Digest	0.19		kg			0.19	0.19	0.19	0.19
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Sample Weight			Soil-4 Acid Digest	0.22		kg			0.22	0.22	0.22	0.22
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Sample Weight			Soil-4 Acid Digest	0.23		kg			0.23	0.23	0.23	0.23
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Sample Weight			Soil-4 Acid Digest	0.22		kg			0.22	0.22	0.22	0.22
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Sample Weight			Soil-4 Acid Digest	0.23		kg			0.23	0.23	0.23	0.23
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Sample Weight			Soil-4 Acid Digest	0.19		kg			0.19	0.19	0.19	0.19
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Sample Weight			Soil-4 Acid Digest	0.2		kg			0.2	0.2	0.2	0.2
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Sample Weight			Soil-4 Acid Digest	0.21		kg			0.21	0.21	0.21	0.21
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Sample Weight			Soil-4 Acid Digest	0.2		kg			0.2	0.2	0.2	0.2
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Sample Weight			Soil-4 Acid Digest	0.23		kg			0.23	0.23	0.23	0.23
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Sample Weight			Soil-4 Acid Digest	0.2		kg			0.2	0.2	0.2	0.2
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Sample Weight			Soil-4 Acid Digest	0.19		kg			0.19	0.19	0.19	0.19
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Sample Weight			Soil-4 Acid Digest	0.21		kg			0.21	0.21	0.21	0.21
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Sample Weight			Soil-4 Acid Digest	0.21		kg			0.21	0.21	0.21	0.21
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Sample Weight			Soil-4 Acid Digest	0.22		kg			0.22	0.22	0.22	0.22
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Silver, dissolved			Soil-4 Acid Digest	0.74		mg/L			0.74	0.74	0.74	0.74
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Silver, dissolved			Soil-4 Acid Digest	1.62		mg/L			1.62	1.62	1.62	1.62
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Silver, dissolved			Soil-4 Acid Digest	1.34		mg/L			1.34	1.34	1.34	1.34
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Silver, dissolved			Soil-4 Acid Digest	0.86		mg/L			0.86	0.86	0.86	0.86
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Silver, dissolved			Soil-4 Acid Digest	1.36		mg/L			1.36	1.36	1.36	1.36
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Silver, dissolved			Soil-4 Acid Digest	0.93		mg/L			0.93	0.93	0.93	0.93
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Silver, dissolved			Soil-4 Acid Digest	1.56		mg/L			1.56	1.56	1.56	1.56
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Silver, dissolved			Soil-4 Acid Digest	1.28		mg/L			1.28	1.28	1.28	1.28
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Silver, dissolved			Soil-4 Acid Digest	0.74		mg/L			0.74	0.74	0.74	0.74
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Silver, dissolved			Soil-4 Acid Digest	2.33		mg/L			2.33	2.33	2.33	2.33
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Silver, dissolved			Soil-4 Acid Digest	0.77		mg/L			0.77	0.77	0.77	0.77
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Silver, dissolved			Soil-4 Acid Digest	0.82		mg/L			0.82	0.82	0.82	0.82
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Silver, dissolved			Soil-4 Acid Digest	1.44		mg/L			1.44	1.44	1.44	1.44
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Silver, dissolved			Soil-4 Acid Digest	0.2		mg/L			0.2	0.2	0.2	0.2
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Silver, dissolved			Soil-4 Acid Digest	0.82		mg/L			0.82	0.82	0.82	0.82
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Silver, dissolved			Soil-4 Acid Digest	1.34		mg/L			1.34	1.34	1.34	1.34
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Silver, dissolved			Soil-4 Acid Digest	0.78		mg/L			0.			

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Silver, dissolved			Soil-4 Acid Digest	0.62		mg/L			0.62	0.62	0.62	0.62
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Aluminum, dissolved			Soil-4 Acid Digest	9.79		%			9.79	9.79	9.79	9.79
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Aluminum, dissolved			Soil-4 Acid Digest	9.21		%			9.21	9.21	9.21	9.21
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Aluminum, dissolved			Soil-4 Acid Digest	9.42		%			9.42	9.42	9.42	9.42
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Aluminum, dissolved			Soil-4 Acid Digest	9.91		%			9.91	9.91	9.91	9.91
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Aluminum, dissolved			Soil-4 Acid Digest	9.66		%			9.66	9.66	9.66	9.66
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Aluminum, dissolved			Soil-4 Acid Digest	9.21		%			9.21	9.21	9.21	9.21
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Aluminum, dissolved			Soil-4 Acid Digest	9.42		%			9.42	9.42	9.42	9.42
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Aluminum, dissolved			Soil-4 Acid Digest	9.21		%			9.21	9.21	9.21	9.21
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Aluminum, dissolved			Soil-4 Acid Digest	8.83		%			8.83	8.83	8.83	8.83
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Aluminum, dissolved			Soil-4 Acid Digest	8.79		%			8.79	8.79	8.79	8.79
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Aluminum, dissolved			Soil-4 Acid Digest	8.38		%			8.38	8.38	8.38	8.38
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Aluminum, dissolved			Soil-4 Acid Digest	7.72		%			7.72	7.72	7.72	7.72
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Aluminum, dissolved			Soil-4 Acid Digest	7.8		%			7.8	7.8	7.8	7.8
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Aluminum, dissolved			Soil-4 Acid Digest	6.74		%			6.74	6.74	6.74	6.74
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Aluminum, dissolved			Soil-4 Acid Digest	6.79		%			6.79	6.79	6.79	6.79
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Aluminum, dissolved			Soil-4 Acid Digest	7.68		%			7.68	7.68	7.68	7.68
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Aluminum, dissolved			Soil-4 Acid Digest	8.07		%			8.07	8.07	8.07	8.07
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Aluminum, dissolved			Soil-4 Acid Digest	7.94		%			7.94	7.94	7.94	7.94
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Aluminum, dissolved			Soil-4 Acid Digest	7.15		%			7.15	7.15	7.15	7.15
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Aluminum, dissolved			Soil-4 Acid Digest	7.05		%			7.05	7.05	7.05	7.05
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Aluminum, dissolved			Soil-4 Acid Digest	9.74		%			9.74	9.74	9.74	9.74
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Aluminum, dissolved			Soil-4 Acid Digest	9.55		%			9.55	9.55	9.55	9.55
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Aluminum, dissolved			Soil-4 Acid Digest	8.99		%			8.99	8.99	8.99	8.99
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Aluminum, dissolved			Soil-4 Acid Digest	7.74		%			7.74	7.74	7.74	7.74
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Aluminum, dissolved			Soil-4 Acid Digest	8.24		%			8.24	8.24	8.24	8.24
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Arsenic, dissolved			Soil-4 Acid Digest	12.8		mg/L			12.8	12.8	12.8	12.8
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Arsenic, dissolved			Soil-4 Acid Digest	18.9		mg/L			18.9	18.9	18.9	18.9
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Arsenic, dissolved			Soil-4 Acid Digest	13.7		mg/L			13.7	13.7	13.7	13.7
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Arsenic, dissolved			Soil-4 Acid Digest	10.7		mg/L			10.7	10.7	10.7	10.7
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Arsenic, dissolved			Soil-4 Acid Digest	20.9		mg/L			20.9	20.9	20.9	20.9
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Arsenic, dissolved			Soil-4 Acid Digest	12.7		mg/L			12.7	12.7	12.7	12.7
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Arsenic, dissolved			Soil-4 Acid Digest	19.3		mg/L			19.3	19.3	19.3	19.3
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Arsenic, dissolved			Soil-4 Acid Digest	17.4		mg/L			17.4	17.4	17.4	17.4
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Arsenic, dissolved			Soil-4 Acid Digest	13.4		mg/L			13.4	13.4	13.4	13.4
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Arsenic, dissolved			Soil-4 Acid Digest	9.4		mg/L			9.4	9.4	9.4	9.4
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Arsenic, dissolved			Soil-4 Acid Digest	7.7		mg/L			7.7	7.7	7.7	7.7
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Arsenic, dissolved			Soil-4 Acid Digest	4.5		mg/L			4.5	4.5	4.5	4.5
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Arsenic, dissolved			Soil-4 Acid Digest	15		mg/L			15	15	15	15
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Arsenic, dissolved			Soil-4 Acid Digest	4		mg/L			4	4	4	4
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Arsenic, dissolved			Soil-4 Acid Digest	13.7		mg/L			13.7	13.7	13.7	13.7
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Arsenic, dissolved			Soil-4 Acid Digest	7.6		mg/L			7.6	7.6	7.6	7.6
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Arsenic, dissolved			Soil-4 Acid Digest	10.2		mg/L			10.2	10.2	10.2	10.2
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Arsenic, dissolved			Soil-4 Acid Digest	3.9		mg/L			3.9	3.9	3.9	3.9
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Arsenic, dissolved			Soil-4 Acid Digest	4.1		mg/L			4.1	4.1	4.1	4.1
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Arsenic, dissolved			Soil-4 Acid Digest	11.1		mg/L			11.1	11.1	11.1	11.1
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Arsenic, dissolved			Soil-4 Acid Digest	15.3		mg/L			15.3	15.3	15.3	15.3
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Arsenic, dissolved			Soil-4 Acid Digest	14.8		mg/L			14.8	14.8	14.8	14.8
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Arsenic, dissolved			Soil-4 Acid Digest	12		mg/L			12	12	12	12
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Arsenic, dissolved			Soil-4 Acid Digest	8.1		mg/L			8.1	8.1	8.1	8.1
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Arsenic, dissolved			Soil-4 Acid Digest	6.2		mg/L			6.2	6.2	6.2	6.2
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Barium, dissolved			Soil-4 Acid Digest	6390		mg/L			6390	6390	6390	6390
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Barium, dissolved			Soil-4 Acid Digest	>10000		mg/L			>10000	>10000	#VALUE!	>10000
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Barium, dissolved			Soil-4 Acid Digest	6030		mg/L			6030	6030	6030	6030
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Barium, dissolved			Soil-4 Acid Digest	1110		mg/L			1110	1110	1110	1110
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Barium, dissolved			Soil-4 Acid Digest	510		mg/L			510	510	510	510
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Barium, dissolved			Soil-4 Acid Digest	720		mg/L			720	720	720	720
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Barium, dissolved			Soil-4 Acid Digest	770		mg/L			770	770	770	770
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Barium, dissolved			Soil-4 Acid Digest	440		mg/L			440	440	440	440
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Barium, dissolved			Soil-4 Acid Digest	440		mg/L			440	440	440	440
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Barium, dissolved			Soil-4 Acid Digest	290		mg/L			290	290	290	290
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Barium, dissolved			Soil-4 Acid Digest	200		mg/L						

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Barium, dissolved			Soil-4 Acid Digest	210		mg/L			210	210	210	210
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Barium, dissolved			Soil-4 Acid Digest	370		mg/L			370	370	370	370
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Beryllium, dissolved			Soil-4 Acid Digest	6.09		mg/L			6.09	6.09	6.09	6.09
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Beryllium, dissolved			Soil-4 Acid Digest	5.09		mg/L			5.09	5.09	5.09	5.09
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Beryllium, dissolved			Soil-4 Acid Digest	3.34		mg/L			3.34	3.34	3.34	3.34
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Beryllium, dissolved			Soil-4 Acid Digest	4.46		mg/L			4.46	4.46	4.46	4.46
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Beryllium, dissolved			Soil-4 Acid Digest	5.06		mg/L			5.06	5.06	5.06	5.06
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Beryllium, dissolved			Soil-4 Acid Digest	3.88		mg/L			3.88	3.88	3.88	3.88
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Beryllium, dissolved			Soil-4 Acid Digest	5.24		mg/L			5.24	5.24	5.24	5.24
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Beryllium, dissolved			Soil-4 Acid Digest	4.92		mg/L			4.92	4.92	4.92	4.92
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Beryllium, dissolved			Soil-4 Acid Digest	4.78		mg/L			4.78	4.78	4.78	4.78
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Beryllium, dissolved			Soil-4 Acid Digest	4.16		mg/L			4.16	4.16	4.16	4.16
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Beryllium, dissolved			Soil-4 Acid Digest	3.36		mg/L			3.36	3.36	3.36	3.36
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Beryllium, dissolved			Soil-4 Acid Digest	3.98		mg/L			3.98	3.98	3.98	3.98
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Beryllium, dissolved			Soil-4 Acid Digest	1.99		mg/L			1.99	1.99	1.99	1.99
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Beryllium, dissolved			Soil-4 Acid Digest	1.66		mg/L			1.66	1.66	1.66	1.66
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Beryllium, dissolved			Soil-4 Acid Digest	2.13		mg/L			2.13	2.13	2.13	2.13
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Beryllium, dissolved			Soil-4 Acid Digest	3.2		mg/L			3.2	3.2	3.2	3.2
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Beryllium, dissolved			Soil-4 Acid Digest	2.11		mg/L			2.11	2.11	2.11	2.11
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Beryllium, dissolved			Soil-4 Acid Digest	2.05		mg/L			2.05	2.05	2.05	2.05
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Beryllium, dissolved			Soil-4 Acid Digest	2.49		mg/L			2.49	2.49	2.49	2.49
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Beryllium, dissolved			Soil-4 Acid Digest	1.99		mg/L			1.99	1.99	1.99	1.99
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Beryllium, dissolved			Soil-4 Acid Digest	4.64		mg/L			4.64	4.64	4.64	4.64
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Beryllium, dissolved			Soil-4 Acid Digest	4.54		mg/L			4.54	4.54	4.54	4.54
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Beryllium, dissolved			Soil-4 Acid Digest	4.28		mg/L			4.28	4.28	4.28	4.28
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Beryllium, dissolved			Soil-4 Acid Digest	2.54		mg/L			2.54	2.54	2.54	2.54
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Beryllium, dissolved			Soil-4 Acid Digest	2.37		mg/L			2.37	2.37	2.37	2.37
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Bismuth, dissolved			Soil-4 Acid Digest	0.35		mg/L			0.35	0.35	0.35	0.35
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Bismuth, dissolved			Soil-4 Acid Digest	2.79		mg/L			2.79	2.79	2.79	2.79
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Bismuth, dissolved			Soil-4 Acid Digest	3.06		mg/L			3.06	3.06	3.06	3.06
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Bismuth, dissolved			Soil-4 Acid Digest	1.31		mg/L			1.31	1.31	1.31	1.31
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Bismuth, dissolved			Soil-4 Acid Digest	1.78		mg/L			1.78	1.78	1.78	1.78
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Bismuth, dissolved			Soil-4 Acid Digest	0.91		mg/L			0.91	0.91	0.91	0.91
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Bismuth, dissolved			Soil-4 Acid Digest	5.9		mg/L			5.9	5.9	5.9	5.9
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Bismuth, dissolved			Soil-4 Acid Digest	1.49		mg/L			1.49	1.49	1.49	1.49
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Bismuth, dissolved			Soil-4 Acid Digest	0.89		mg/L			0.89	0.89	0.89	0.89
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Bismuth, dissolved			Soil-4 Acid Digest	1.3		mg/L			1.3	1.3	1.3	1.3
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Bismuth, dissolved			Soil-4 Acid Digest	0.96		mg/L			0.96	0.96	0.96	0.96
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Bismuth, dissolved			Soil-4 Acid Digest	2.23		mg/L			2.23	2.23	2.23	2.23
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Bismuth, dissolved			Soil-4 Acid Digest	2.37		mg/L			2.37	2.37	2.37	2.37
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Bismuth, dissolved			Soil-4 Acid Digest	0.81		mg/L			0.81	0.81	0.81	0.81
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Bismuth, dissolved			Soil-4 Acid Digest	1.61		mg/L			1.61	1.61	1.61	1.61
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Bismuth, dissolved			Soil-4 Acid Digest	2.57		mg/L			2.57	2.57	2.57	2.57
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Bismuth, dissolved			Soil-4 Acid Digest	7.36		mg/L			7.36	7.36	7.36	7.36
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Bismuth, dissolved			Soil-4 Acid Digest	3.69		mg/L			3.69	3.69	3.69	3.69
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Bismuth, dissolved			Soil-4 Acid Digest	1.18		mg/L			1.18	1.18	1.18	1.18
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Bismuth, dissolved			Soil-4 Acid Digest	1.75		mg/L			1.75	1.75	1.75	1.75
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Bismuth, dissolved			Soil-4 Acid Digest	2.16		mg/L			2.16	2.16	2.16	2.16
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Bismuth, dissolved			Soil-4 Acid Digest	1.91		mg/L			1.91	1.91	1.91	1.91
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Bismuth, dissolved			Soil-4 Acid Digest	1.14		mg/L			1.14	1.14	1.14	1.14
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Bismuth, dissolved			Soil-4 Acid Digest	1.46		mg/L			1.46	1.46	1.46	1.46
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Bismuth, dissolved			Soil-4 Acid Digest	4.16		mg/L			4.16	4.16	4.16	4.16
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Calcium, dissolved			Soil-4 Acid Digest	0.03		%			0.03	0.03	0.03	0.03
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Calcium, dissolved			Soil-4 Acid Digest	0.02		%			0.02	0.02	0.02	0.02
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Calcium, dissolved			Soil-4 Acid Digest	0.02		%			0.02	0.02	0.02	0.02
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Calcium, dissolved			Soil-4 Acid Digest	0.08		%			0.08	0.08	0.08	0.08
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Calcium, dissolved			Soil-4 Acid Digest	0.09		%			0.09	0.09	0.09	0.09
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Calcium, dissolved			Soil-4 Acid Digest	0.27		%			0.27	0.27	0.27	0.27
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Calcium, dissolved			Soil-4 Acid Digest	0.39		%			0.39	0.39	0.39	0.39
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Calcium, dissolved			Soil-4 Acid Digest	0.53		%			0.53	0.53	0.53	0.53
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Calcium, dissolved			Soil-4 Acid Digest	0.9		%			0.9	0.9	0.9	0.9
CPC14-3	Static																					

Hole ID	Composi e Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Calcium, dissolved			Soil-4 Acid Digest	1.1	%				1.1	1.1	1.1	1.1
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Calcium, dissolved			Soil-4 Acid Digest	2.73	%				2.73	2.73	2.73	2.73
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Calcium, dissolved			Soil-4 Acid Digest	1.99	%				1.99	1.99	1.99	1.99
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Cadmium, dissolved			Soil-4 Acid Digest	0.11	mg/L				0.11	0.11	0.11	0.11
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Cadmium, dissolved			Soil-4 Acid Digest	0.09	mg/L				0.09	0.09	0.09	0.09
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Cadmium, dissolved			Soil-4 Acid Digest	0.09	mg/L				0.09	0.09	0.09	0.09
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Cadmium, dissolved			Soil-4 Acid Digest	2.61	mg/L				2.61	2.61	2.61	2.61
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Cadmium, dissolved			Soil-4 Acid Digest	2.29	mg/L				2.29	2.29	2.29	2.29
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Cadmium, dissolved			Soil-4 Acid Digest	0.11	mg/L				0.11	0.11	0.11	0.11
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Cadmium, dissolved			Soil-4 Acid Digest	0.26	mg/L				0.26	0.26	0.26	0.26
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Cadmium, dissolved			Soil-4 Acid Digest	0.78	mg/L				0.78	0.78	0.78	0.78
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Cadmium, dissolved			Soil-4 Acid Digest	0.15	mg/L				0.15	0.15	0.15	0.15
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Cadmium, dissolved			Soil-4 Acid Digest	0.74	mg/L				0.74	0.74	0.74	0.74
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Cadmium, dissolved			Soil-4 Acid Digest	0.39	mg/L				0.39	0.39	0.39	0.39
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Cadmium, dissolved			Soil-4 Acid Digest	0.58	mg/L				0.58	0.58	0.58	0.58
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Cadmium, dissolved			Soil-4 Acid Digest	0.78	mg/L				0.78	0.78	0.78	0.78
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Cadmium, dissolved			Soil-4 Acid Digest	0.04	mg/L				0.04	0.04	0.04	0.04
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Cadmium, dissolved			Soil-4 Acid Digest	0.76	mg/L				0.76	0.76	0.76	0.76
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Cadmium, dissolved			Soil-4 Acid Digest	0.46	mg/L				0.46	0.46	0.46	0.46
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Cadmium, dissolved			Soil-4 Acid Digest	0.37	mg/L				0.37	0.37	0.37	0.37
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Cadmium, dissolved			Soil-4 Acid Digest	0.05	mg/L				0.05	0.05	0.05	0.05
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Cadmium, dissolved			Soil-4 Acid Digest	0.02	mg/L				0.02	0.02	0.02	0.02
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Cadmium, dissolved			Soil-4 Acid Digest	0.03	mg/L				0.03	0.03	0.03	0.03
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Cadmium, dissolved			Soil-4 Acid Digest	0.15	mg/L				0.15	0.15	0.15	0.15
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Cadmium, dissolved			Soil-4 Acid Digest	1.05	mg/L				1.05	1.05	1.05	1.05
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Cadmium, dissolved			Soil-4 Acid Digest	0.4	mg/L				0.4	0.4	0.4	0.4
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Cadmium, dissolved			Soil-4 Acid Digest	0.48	mg/L				0.48	0.48	0.48	0.48
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Cadmium, dissolved			Soil-4 Acid Digest	0.65	mg/L				0.65	0.65	0.65	0.65
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Cerium, dissolved			Soil-4 Acid Digest	316	mg/L				316	316	316	316
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Cerium, dissolved			Soil-4 Acid Digest	>500	mg/L			>500	>500	#VALUE!	>500	>500
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Cerium, dissolved			Soil-4 Acid Digest	>500	mg/L			>500	>500	#VALUE!	>500	>500
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Cerium, dissolved			Soil-4 Acid Digest	>500	mg/L			>500	>500	#VALUE!	>500	>500
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Cerium, dissolved			Soil-4 Acid Digest	362	mg/L				362	362	362	362
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Cerium, dissolved			Soil-4 Acid Digest	229	mg/L				229	229	229	229
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Cerium, dissolved			Soil-4 Acid Digest	239	mg/L				239	239	239	239
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Cerium, dissolved			Soil-4 Acid Digest	290	mg/L				290	290	290	290
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Cerium, dissolved			Soil-4 Acid Digest	215	mg/L				215	215	215	215
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Cerium, dissolved			Soil-4 Acid Digest	180	mg/L				180	180	180	180
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Cerium, dissolved			Soil-4 Acid Digest	179.5	mg/L				179.5	179.5	179.5	179.5
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Cerium, dissolved			Soil-4 Acid Digest	160.5	mg/L				160.5	160.5	160.5	160.5
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Cerium, dissolved			Soil-4 Acid Digest	181	mg/L				181	181	181	181
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Cerium, dissolved			Soil-4 Acid Digest	238	mg/L				238	238	238	238
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Cerium, dissolved			Soil-4 Acid Digest	182	mg/L				182	182	182	182
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Cerium, dissolved			Soil-4 Acid Digest	185	mg/L				185	185	185	185
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Cerium, dissolved			Soil-4 Acid Digest	169	mg/L				169	169	169	169
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Cerium, dissolved			Soil-4 Acid Digest	125.5	mg/L				125.5	125.5	125.5	125.5
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Cerium, dissolved			Soil-4 Acid Digest	188	mg/L				188	188	188	188
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Cerium, dissolved			Soil-4 Acid Digest	284	mg/L				284	284	284	284
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Cerium, dissolved			Soil-4 Acid Digest	>500	mg/L			>500	>500	#VALUE!	>500	>500
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Cerium, dissolved			Soil-4 Acid Digest	405	mg/L				405	405	405	405
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Cerium, dissolved			Soil-4 Acid Digest	215	mg/L				215	215	215	215
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Cerium, dissolved			Soil-4 Acid Digest	191	mg/L				191	191	191	191
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Cerium, dissolved			Soil-4 Acid Digest	172.5	mg/L				172.5	172.5	172.5	172.5
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Cobalt, dissolved			Soil-4 Acid Digest	0.5	mg/L				0.5	0.5	0.5	0.5
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Cobalt, dissolved			Soil-4 Acid Digest	0.7	mg/L				0.7	0.7	0.7	0.7
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Cobalt, dissolved			Soil-4 Acid Digest	2.3	mg/L				2.3	2.3	2.3	2.3
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Cobalt, dissolved			Soil-4 Acid Digest	20.4	mg/L				20.4	20.4	20.4	20.4
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Cobalt, dissolved			Soil-4 Acid Digest	29.6	mg/L				29.6	29.6	29.6	29.6
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Cobalt, dissolved			Soil-4 Acid Digest	15.6	mg/L				15.6	15.6	15.6	15.6
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Cobalt, dissolved			Soil-4 Acid Digest	10.4	mg/L				10.4	10.4	10.4	10.4
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Cobalt, dissolved			Soil-4 Acid Digest	14.5	mg/L				14.5	14.5	14.5	14.5
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/2																	

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Cobalt, dissolved			Soil-4 Acid Digest	21.8		mg/L			21.8	21.8	21.8	21.8
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Cobalt, dissolved			Soil-4 Acid Digest	17.4		mg/L			17.4	17.4	17.4	17.4
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Cobalt, dissolved			Soil-4 Acid Digest	17.1		mg/L			17.1	17.1	17.1	17.1
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Cobalt, dissolved			Soil-4 Acid Digest	12.2		mg/L			12.2	12.2	12.2	12.2
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Cromium, dissolved			Soil-4 Acid Digest	2		mg/L			2	2	2	2
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Cromium, dissolved			Soil-4 Acid Digest	3		mg/L			3	3	3	3
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Cromium, dissolved			Soil-4 Acid Digest	8		mg/L			8	8	8	8
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Cromium, dissolved			Soil-4 Acid Digest	15		mg/L			15	15	15	15
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Cromium, dissolved			Soil-4 Acid Digest	19		mg/L			19	19	19	19
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Cromium, dissolved			Soil-4 Acid Digest	7		mg/L			7	7	7	7
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Cromium, dissolved			Soil-4 Acid Digest	5		mg/L			5	5	5	5
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Cromium, dissolved			Soil-4 Acid Digest	4		mg/L			4	4	4	4
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Cromium, dissolved			Soil-4 Acid Digest	4		mg/L			4	4	4	4
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Cromium, dissolved			Soil-4 Acid Digest	4		mg/L			4	4	4	4
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Cromium, dissolved			Soil-4 Acid Digest	4		mg/L			4	4	4	4
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Cromium, dissolved			Soil-4 Acid Digest	38		mg/L			38	38	38	38
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Cromium, dissolved			Soil-4 Acid Digest	12		mg/L			12	12	12	12
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Cromium, dissolved			Soil-4 Acid Digest	15		mg/L			15	15	15	15
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Cromium, dissolved			Soil-4 Acid Digest	72		mg/L			72	72	72	72
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Cromium, dissolved			Soil-4 Acid Digest	154		mg/L			154	154	154	154
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Cromium, dissolved			Soil-4 Acid Digest	8		mg/L			8	8	8	8
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Cromium, dissolved			Soil-4 Acid Digest	6		mg/L			6	6	6	6
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Cromium, dissolved			Soil-4 Acid Digest	48		mg/L			48	48	48	48
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Cromium, dissolved			Soil-4 Acid Digest	42		mg/L			42	42	42	42
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Cromium, dissolved			Soil-4 Acid Digest	4		mg/L			4	4	4	4
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Cromium, dissolved			Soil-4 Acid Digest	11		mg/L			11	11	11	11
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Cromium, dissolved			Soil-4 Acid Digest	2		mg/L			2	2	2	2
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Cromium, dissolved			Soil-4 Acid Digest	31		mg/L			31	31	31	31
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Cromium, dissolved			Soil-4 Acid Digest	45		mg/L			45	45	45	45
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Caesium, dissolved			Soil-4 Acid Digest	1.58		mg/L			1.58	1.58	1.58	1.58
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Caesium, dissolved			Soil-4 Acid Digest	1.45		mg/L			1.45	1.45	1.45	1.45
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Caesium, dissolved			Soil-4 Acid Digest	1.49		mg/L			1.49	1.49	1.49	1.49
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Caesium, dissolved			Soil-4 Acid Digest	1.66		mg/L			1.66	1.66	1.66	1.66
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Caesium, dissolved			Soil-4 Acid Digest	1.61		mg/L			1.61	1.61	1.61	1.61
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Caesium, dissolved			Soil-4 Acid Digest	1.5		mg/L			1.5	1.5	1.5	1.5
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Caesium, dissolved			Soil-4 Acid Digest	2.25		mg/L			2.25	2.25	2.25	2.25
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Caesium, dissolved			Soil-4 Acid Digest	2.38		mg/L			2.38	2.38	2.38	2.38
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Caesium, dissolved			Soil-4 Acid Digest	3.7		mg/L			3.7	3.7	3.7	3.7
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Caesium, dissolved			Soil-4 Acid Digest	3.42		mg/L			3.42	3.42	3.42	3.42
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Caesium, dissolved			Soil-4 Acid Digest	1.46		mg/L			1.46	1.46	1.46	1.46
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Caesium, dissolved			Soil-4 Acid Digest	2.94		mg/L			2.94	2.94	2.94	2.94
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Caesium, dissolved			Soil-4 Acid Digest	1.32		mg/L			1.32	1.32	1.32	1.32
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Caesium, dissolved			Soil-4 Acid Digest	1.8		mg/L			1.8	1.8	1.8	1.8
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Caesium, dissolved			Soil-4 Acid Digest	2.85		mg/L			2.85	2.85	2.85	2.85
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Caesium, dissolved			Soil-4 Acid Digest	3.08		mg/L			3.08	3.08	3.08	3.08
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Caesium, dissolved			Soil-4 Acid Digest	0.79		mg/L			0.79	0.79	0.79	0.79
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Caesium, dissolved			Soil-4 Acid Digest	0.58		mg/L			0.58	0.58	0.58	0.58
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Caesium, dissolved			Soil-4 Acid Digest	2.25		mg/L			2.25	2.25	2.25	2.25
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Caesium, dissolved			Soil-4 Acid Digest	2.21		mg/L			2.21	2.21	2.21	2.21
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Caesium, dissolved			Soil-4 Acid Digest	1.48		mg/L			1.48	1.48	1.48	1.48
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Caesium, dissolved			Soil-4 Acid Digest	1.75		mg/L			1.75	1.75	1.75	1.75
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Caesium, dissolved			Soil-4 Acid Digest	2.96		mg/L			2.96	2.96	2.96	2.96
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Caesium, dissolved			Soil-4 Acid Digest	2.32		mg/L			2.32	2.32	2.32	2.32
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Caesium, dissolved			Soil-4 Acid Digest	1.58		mg/L			1.58	1.58	1.58	1.58
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Copper, dissolved			Soil-4 Acid Digest	16.6		mg/L			16.6	16.6	16.6	16.6
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Copper, dissolved			Soil-4 Acid Digest	24.9		mg/L			24.9	24.9	24.9	24.9
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Copper, dissolved			Soil-4 Acid Digest	32.8		mg/L			32.8	32.8	32.8	32.8
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Copper, dissolved			Soil-4 Acid Digest	90.5		mg/L			90.5	90.5	90.5	90.5
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Copper, dissolved			Soil-4 Acid Digest	149		mg/L			149	149	149	149
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Copper, dissolved			Soil-4 Acid Digest	20.1		mg/L			20.1	20.1	20.1	20.1
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Copper, dissolved			Soil-4 Acid Digest	28		mg/L			28	28	28	28
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Copper, dissolved			Soil-4 Acid Digest	38		mg/L			38	38	38	38
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Copper, dissolved			Soil-4 Acid Digest	32.2		mg/L			32.2	32.2		

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Copper, dissolved			Soil-4 Acid Digest	25.9		mg/L			25.9	25.9	25.9	25.9
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Copper, dissolved			Soil-4 Acid Digest	72.9		mg/L			72.9	72.9	72.9	72.9
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Copper, dissolved			Soil-4 Acid Digest	33.1		mg/L			33.1	33.1	33.1	33.1
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Copper, dissolved			Soil-4 Acid Digest	27.8		mg/L			27.8	27.8	27.8	27.8
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Copper, dissolved			Soil-4 Acid Digest	54.7		mg/L			54.7	54.7	54.7	54.7
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Iron, dissolved			Soil-4 Acid Digest	1.83		%			1.83	1.83	1.83	1.83
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Iron, dissolved			Soil-4 Acid Digest	2.78		%			2.78	2.78	2.78	2.78
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Iron, dissolved			Soil-4 Acid Digest	3.3		%			3.3	3.3	3.3	3.3
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Iron, dissolved			Soil-4 Acid Digest	4.68		%			4.68	4.68	4.68	4.68
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Iron, dissolved			Soil-4 Acid Digest	4.79		%			4.79	4.79	4.79	4.79
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Iron, dissolved			Soil-4 Acid Digest	3.75		%			3.75	3.75	3.75	3.75
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Iron, dissolved			Soil-4 Acid Digest	3.5		%			3.5	3.5	3.5	3.5
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Iron, dissolved			Soil-4 Acid Digest	4.26		%			4.26	4.26	4.26	4.26
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Iron, dissolved			Soil-4 Acid Digest	4.38		%			4.38	4.38	4.38	4.38
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Iron, dissolved			Soil-4 Acid Digest	4.28		%			4.28	4.28	4.28	4.28
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Iron, dissolved			Soil-4 Acid Digest	2.54		%			2.54	2.54	2.54	2.54
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Iron, dissolved			Soil-4 Acid Digest	4.37		%			4.37	4.37	4.37	4.37
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Iron, dissolved			Soil-4 Acid Digest	3.41		%			3.41	3.41	3.41	3.41
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Iron, dissolved			Soil-4 Acid Digest	2.33		%			2.33	2.33	2.33	2.33
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Iron, dissolved			Soil-4 Acid Digest	2.7		%			2.7	2.7	2.7	2.7
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Iron, dissolved			Soil-4 Acid Digest	3.22		%			3.22	3.22	3.22	3.22
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Iron, dissolved			Soil-4 Acid Digest	3.29		%			3.29	3.29	3.29	3.29
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Iron, dissolved			Soil-4 Acid Digest	3.08		%			3.08	3.08	3.08	3.08
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Iron, dissolved			Soil-4 Acid Digest	2.83		%			2.83	2.83	2.83	2.83
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Iron, dissolved			Soil-4 Acid Digest	2.98		%			2.98	2.98	2.98	2.98
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Iron, dissolved			Soil-4 Acid Digest	2.72		%			2.72	2.72	2.72	2.72
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Iron, dissolved			Soil-4 Acid Digest	4.1		%			4.1	4.1	4.1	4.1
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Iron, dissolved			Soil-4 Acid Digest	4.03		%			4.03	4.03	4.03	4.03
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Iron, dissolved			Soil-4 Acid Digest	3.24		%			3.24	3.24	3.24	3.24
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Iron, dissolved			Soil-4 Acid Digest	2.99		%			2.99	2.99	2.99	2.99
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Gallium, dissolved			Soil-4 Acid Digest	30.6		mg/L			30.6	30.6	30.6	30.6
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Gallium, dissolved			Soil-4 Acid Digest	30.1		mg/L			30.1	30.1	30.1	30.1
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Gallium, dissolved			Soil-4 Acid Digest	31.4		mg/L			31.4	31.4	31.4	31.4
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Gallium, dissolved			Soil-4 Acid Digest	30		mg/L			30	30	30	30
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Gallium, dissolved			Soil-4 Acid Digest	27.5		mg/L			27.5	27.5	27.5	27.5
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Gallium, dissolved			Soil-4 Acid Digest	27.5		mg/L			27.5	27.5	27.5	27.5
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Gallium, dissolved			Soil-4 Acid Digest	26.9		mg/L			26.9	26.9	26.9	26.9
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Gallium, dissolved			Soil-4 Acid Digest	28.4		mg/L			28.4	28.4	28.4	28.4
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Gallium, dissolved			Soil-4 Acid Digest	27.1		mg/L			27.1	27.1	27.1	27.1
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Gallium, dissolved			Soil-4 Acid Digest	26		mg/L			26	26	26	26
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Gallium, dissolved			Soil-4 Acid Digest	23		mg/L			23	23	23	23
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Gallium, dissolved			Soil-4 Acid Digest	25		mg/L			25	25	25	25
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Gallium, dissolved			Soil-4 Acid Digest	23.8		mg/L			23.8	23.8	23.8	23.8
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Gallium, dissolved			Soil-4 Acid Digest	19.05		mg/L			19.05	19.05	19.05	19.05
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Gallium, dissolved			Soil-4 Acid Digest	18.9		mg/L			18.9	18.9	18.9	18.9
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Gallium, dissolved			Soil-4 Acid Digest	21.6		mg/L			21.6	21.6	21.6	21.6
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Gallium, dissolved			Soil-4 Acid Digest	22.7		mg/L			22.7	22.7	22.7	22.7
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Gallium, dissolved			Soil-4 Acid Digest	25.7		mg/L			25.7	25.7	25.7	25.7
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Gallium, dissolved			Soil-4 Acid Digest	22.6		mg/L			22.6	22.6	22.6	22.6
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Gallium, dissolved			Soil-4 Acid Digest	22.4		mg/L			22.4	22.4	22.4	22.4
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Gallium, dissolved			Soil-4 Acid Digest	30.9		mg/L			30.9	30.9	30.9	30.9
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Gallium, dissolved			Soil-4 Acid Digest	28.4		mg/L			28.4	28.4	28.4	28.4
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Gallium, dissolved			Soil-4 Acid Digest	26.6		mg/L			26.6	26.6	26.6	26.6
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Gallium, dissolved			Soil-4 Acid Digest	23.1		mg/L			23.1	23.1	23.1	23.1
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Gallium, dissolved			Soil-4 Acid Digest	25.7		mg/L			25.7	25.7	25.7	25.7
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Germanium, dissolved			Soil-4 Acid Digest	0.27		mg/L			0.27	0.27	0.27	0.27
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Germanium, dissolved			Soil-4 Acid Digest	0.41		mg/L			0.41	0.41	0.41	0.41
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Germanium, dissolved			Soil-4 Acid Digest	0.46		mg/L			0.46	0.46	0.46	0.46
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Germanium, dissolved			Soil-4 Acid Digest	0.57		mg/L			0.57	0.57	0.57	0.57
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Germanium, dissolved			Soil-4 Acid Digest	0.43		mg/L			0.43	0.43	0.43	0.43
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Germanium, dissolved			Soil-4 Acid Digest	0.34		mg/L			0.34	0.34	0.34	0.34
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Germanium, dissolved			Soil-4 Acid Digest									

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Germanium, dissolved			Soil-4 Acid Digest	0.37		mg/L			0.37	0.37	0.37	0.37
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Germanium, dissolved			Soil-4 Acid Digest	0.38		mg/L			0.38	0.38	0.38	0.38
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Germanium, dissolved			Soil-4 Acid Digest	0.41		mg/L			0.41	0.41	0.41	0.41
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Germanium, dissolved			Soil-4 Acid Digest	0.33		mg/L			0.33	0.33	0.33	0.33
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Germanium, dissolved			Soil-4 Acid Digest	0.31		mg/L			0.31	0.31	0.31	0.31
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Germanium, dissolved			Soil-4 Acid Digest	0.3		mg/L			0.3	0.3	0.3	0.3
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Hafnium, dissolved			Soil-4 Acid Digest	4.3		mg/L			4.3	4.3	4.3	4.3
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Hafnium, dissolved			Soil-4 Acid Digest	4.2		mg/L			4.2	4.2	4.2	4.2
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Hafnium, dissolved			Soil-4 Acid Digest	3.5		mg/L			3.5	3.5	3.5	3.5
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Hafnium, dissolved			Soil-4 Acid Digest	1.5		mg/L			1.5	1.5	1.5	1.5
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Hafnium, dissolved			Soil-4 Acid Digest	1.4		mg/L			1.4	1.4	1.4	1.4
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Hafnium, dissolved			Soil-4 Acid Digest	3.2		mg/L			3.2	3.2	3.2	3.2
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Hafnium, dissolved			Soil-4 Acid Digest	2.7		mg/L			2.7	2.7	2.7	2.7
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Hafnium, dissolved			Soil-4 Acid Digest	1.9		mg/L			1.9	1.9	1.9	1.9
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Hafnium, dissolved			Soil-4 Acid Digest	1.7		mg/L			1.7	1.7	1.7	1.7
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Hafnium, dissolved			Soil-4 Acid Digest	1.8		mg/L			1.8	1.8	1.8	1.8
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Hafnium, dissolved			Soil-4 Acid Digest	1.7		mg/L			1.7	1.7	1.7	1.7
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Hafnium, dissolved			Soil-4 Acid Digest	1.9		mg/L			1.9	1.9	1.9	1.9
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Hafnium, dissolved			Soil-4 Acid Digest	1.4		mg/L			1.4	1.4	1.4	1.4
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Hafnium, dissolved			Soil-4 Acid Digest	0.3		mg/L			0.3	0.3	0.3	0.3
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Hafnium, dissolved			Soil-4 Acid Digest	1.3		mg/L			1.3	1.3	1.3	1.3
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Hafnium, dissolved			Soil-4 Acid Digest	1.6		mg/L			1.6	1.6	1.6	1.6
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Hafnium, dissolved			Soil-4 Acid Digest	2.3		mg/L			2.3	2.3	2.3	2.3
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Hafnium, dissolved			Soil-4 Acid Digest	2.2		mg/L			2.2	2.2	2.2	2.2
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Hafnium, dissolved			Soil-4 Acid Digest	1.9		mg/L			1.9	1.9	1.9	1.9
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Hafnium, dissolved			Soil-4 Acid Digest	0.5		mg/L			0.5	0.5	0.5	0.5
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Hafnium, dissolved			Soil-4 Acid Digest	3.9		mg/L			3.9	3.9	3.9	3.9
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Hafnium, dissolved			Soil-4 Acid Digest	2		mg/L			2	2	2	2
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Hafnium, dissolved			Soil-4 Acid Digest	1.6		mg/L			1.6	1.6	1.6	1.6
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Hafnium, dissolved			Soil-4 Acid Digest	1.4		mg/L			1.4	1.4	1.4	1.4
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Hafnium, dissolved			Soil-4 Acid Digest	1.8		mg/L			1.8	1.8	1.8	1.8
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Indium, dissolved			Soil-4 Acid Digest	0.027		mg/L			0.027	0.027	0.027	0.027
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Indium, dissolved			Soil-4 Acid Digest	0.114		mg/L			0.114	0.114	0.114	0.114
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Indium, dissolved			Soil-4 Acid Digest	0.13		mg/L			0.13	0.13	0.13	0.13
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Indium, dissolved			Soil-4 Acid Digest	0.06		mg/L			0.06	0.06	0.06	0.06
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Indium, dissolved			Soil-4 Acid Digest	0.053		mg/L			0.053	0.053	0.053	0.053
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Indium, dissolved			Soil-4 Acid Digest	0.031		mg/L			0.031	0.031	0.031	0.031
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Indium, dissolved			Soil-4 Acid Digest	0.065		mg/L			0.065	0.065	0.065	0.065
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Indium, dissolved			Soil-4 Acid Digest	0.035		mg/L			0.035	0.035	0.035	0.035
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Indium, dissolved			Soil-4 Acid Digest	0.078		mg/L			0.078	0.078	0.078	0.078
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Indium, dissolved			Soil-4 Acid Digest	0.083		mg/L			0.083	0.083	0.083	0.083
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Indium, dissolved			Soil-4 Acid Digest	0.044		mg/L			0.044	0.044	0.044	0.044
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Indium, dissolved			Soil-4 Acid Digest	0.12		mg/L			0.12	0.12	0.12	0.12
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Indium, dissolved			Soil-4 Acid Digest	0.07		mg/L			0.07	0.07	0.07	0.07
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Indium, dissolved			Soil-4 Acid Digest	0.044		mg/L			0.044	0.044	0.044	0.044
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Indium, dissolved			Soil-4 Acid Digest	0.097		mg/L			0.097	0.097	0.097	0.097
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Indium, dissolved			Soil-4 Acid Digest	0.138		mg/L			0.138	0.138	0.138	0.138
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Indium, dissolved			Soil-4 Acid Digest	0.235		mg/L			0.235	0.235	0.235	0.235
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Indium, dissolved			Soil-4 Acid Digest	0.072		mg/L			0.072	0.072	0.072	0.072
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Indium, dissolved			Soil-4 Acid Digest	0.045		mg/L			0.045	0.045	0.045	0.045
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Indium, dissolved			Soil-4 Acid Digest	0.035		mg/L			0.035	0.035	0.035	0.035
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Indium, dissolved			Soil-4 Acid Digest	0.1		mg/L			0.1	0.1	0.1	0.1
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Indium, dissolved			Soil-4 Acid Digest	0.048		mg/L			0.048	0.048	0.048	0.048
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Indium, dissolved			Soil-4 Acid Digest	0.062		mg/L			0.062	0.062	0.062	0.062
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Indium, dissolved			Soil-4 Acid Digest	0.08		mg/L			0.08	0.08	0.08	0.08
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Indium, dissolved			Soil-4 Acid Digest	0.138		mg/L			0.138	0.138	0.138	0.138
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Potassium, dissolved			Soil-4 Acid Digest	5.3		%			5.3	5.3	5.3	5.3
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Potassium, dissolved			Soil-4 Acid Digest	5.21		%			5.21	5.21	5.21	5.21
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Potassium, dissolved			Soil-4 Acid Digest	5.75		%			5.75	5.75	5.75	5.75
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Potassium, dissolved			Soil-4 Acid Digest	4.99		%			4.99	4.99	4.99	4.99
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Potassium, dissolved			Soil-4 Acid Digest	5.65		%			5.65	5.65	5.65	5.65
CPC14-3	Static	4-Acid Digest	CPC14																			

Hole ID	Composi e Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Potassium, dissolved			Soil-4 Acid Digest	4.87	%				4.87	4.87	4.87	4.87
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Potassium, dissolved			Soil-4 Acid Digest	5.12	%				5.12	5.12	5.12	5.12
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Potassium, dissolved			Soil-4 Acid Digest	5.87	%				5.87	5.87	5.87	5.87
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Potassium, dissolved			Soil-4 Acid Digest	6.05	%				6.05	6.05	6.05	6.05
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Potassium, dissolved			Soil-4 Acid Digest	4.77	%				4.77	4.77	4.77	4.77
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Potassium, dissolved			Soil-4 Acid Digest	4.51	%				4.51	4.51	4.51	4.51
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Potassium, dissolved			Soil-4 Acid Digest	4.98	%				4.98	4.98	4.98	4.98
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Lanthanum, dissolved			Soil-4 Acid Digest	283	mg/L				283	283	283	283
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Lanthanum, dissolved			Soil-4 Acid Digest	540	mg/L				540	540	540	540
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Lanthanum, dissolved			Soil-4 Acid Digest	610	mg/L				610	610	610	610
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Lanthanum, dissolved			Soil-4 Acid Digest	530	mg/L				530	530	530	530
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Lanthanum, dissolved			Soil-4 Acid Digest	215	mg/L				215	215	215	215
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Lanthanum, dissolved			Soil-4 Acid Digest	143.5	mg/L				143.5	143.5	143.5	143.5
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Lanthanum, dissolved			Soil-4 Acid Digest	159	mg/L				159	159	159	159
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Lanthanum, dissolved			Soil-4 Acid Digest	186	mg/L				186	186	186	186
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Lanthanum, dissolved			Soil-4 Acid Digest	123	mg/L				123	123	123	123
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Lanthanum, dissolved			Soil-4 Acid Digest	98.8	mg/L				98.8	98.8	98.8	98.8
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Lanthanum, dissolved			Soil-4 Acid Digest	110	mg/L				110	110	110	110
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Lanthanum, dissolved			Soil-4 Acid Digest	81.5	mg/L				81.5	81.5	81.5	81.5
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Lanthanum, dissolved			Soil-4 Acid Digest	102.5	mg/L				102.5	102.5	102.5	102.5
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Lanthanum, dissolved			Soil-4 Acid Digest	131	mg/L				131	131	131	131
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Lanthanum, dissolved			Soil-4 Acid Digest	108	mg/L				108	108	108	108
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Lanthanum, dissolved			Soil-4 Acid Digest	131.5	mg/L				131.5	131.5	131.5	131.5
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Lanthanum, dissolved			Soil-4 Acid Digest	117	mg/L				117	117	117	117
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Lanthanum, dissolved			Soil-4 Acid Digest	68.4	mg/L				68.4	68.4	68.4	68.4
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Lanthanum, dissolved			Soil-4 Acid Digest	99.5	mg/L				99.5	99.5	99.5	99.5
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Lanthanum, dissolved			Soil-4 Acid Digest	200	mg/L				200	200	200	200
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Lanthanum, dissolved			Soil-4 Acid Digest	530	mg/L				530	530	530	530
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Lanthanum, dissolved			Soil-4 Acid Digest	265	mg/L				265	265	265	265
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Lanthanum, dissolved			Soil-4 Acid Digest	131.5	mg/L				131.5	131.5	131.5	131.5
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Lanthanum, dissolved			Soil-4 Acid Digest	107	mg/L				107	107	107	107
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Lanthanum, dissolved			Soil-4 Acid Digest	104.5	mg/L				104.5	104.5	104.5	104.5
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Lithium, dissolved			Soil-4 Acid Digest	91.4	mg/L				91.4	91.4	91.4	91.4
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Lithium, dissolved			Soil-4 Acid Digest	117.5	mg/L				117.5	117.5	117.5	117.5
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Lithium, dissolved			Soil-4 Acid Digest	85.7	mg/L				85.7	85.7	85.7	85.7
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Lithium, dissolved			Soil-4 Acid Digest	75.2	mg/L				75.2	75.2	75.2	75.2
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Lithium, dissolved			Soil-4 Acid Digest	58.1	mg/L				58.1	58.1	58.1	58.1
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Lithium, dissolved			Soil-4 Acid Digest	55.6	mg/L				55.6	55.6	55.6	55.6
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Lithium, dissolved			Soil-4 Acid Digest	73.5	mg/L				73.5	73.5	73.5	73.5
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Lithium, dissolved			Soil-4 Acid Digest	85.6	mg/L				85.6	85.6	85.6	85.6
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Lithium, dissolved			Soil-4 Acid Digest	91.9	mg/L				91.9	91.9	91.9	91.9
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Lithium, dissolved			Soil-4 Acid Digest	90.2	mg/L				90.2	90.2	90.2	90.2
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Lithium, dissolved			Soil-4 Acid Digest	94.2	mg/L				94.2	94.2	94.2	94.2
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Lithium, dissolved			Soil-4 Acid Digest	95.8	mg/L				95.8	95.8	95.8	95.8
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Lithium, dissolved			Soil-4 Acid Digest	79.9	mg/L				79.9	79.9	79.9	79.9
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Lithium, dissolved			Soil-4 Acid Digest	81.6	mg/L				81.6	81.6	81.6	81.6
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Lithium, dissolved			Soil-4 Acid Digest	79.3	mg/L				79.3	79.3	79.3	79.3
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Lithium, dissolved			Soil-4 Acid Digest	63.8	mg/L				63.8	63.8	63.8	63.8
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Lithium, dissolved			Soil-4 Acid Digest	11.7	mg/L				11.7	11.7	11.7	11.7
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Lithium, dissolved			Soil-4 Acid Digest	8.9	mg/L				8.9	8.9	8.9	8.9
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Lithium, dissolved			Soil-4 Acid Digest	30.2	mg/L				30.2	30.2	30.2	30.2
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Lithium, dissolved			Soil-4 Acid Digest	80.3	mg/L				80.3	80.3	80.3	80.3
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Lithium, dissolved			Soil-4 Acid Digest	97.3	mg/L				97.3	97.3	97.3	97.3
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Lithium, dissolved			Soil-4 Acid Digest	64.6	mg/L				64.6	64.6	64.6	64.6
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Lithium, dissolved			Soil-4 Acid Digest	88.2	mg/L				88.2	88.2	88.2	88.2
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Lithium, dissolved			Soil-4 Acid Digest	85.2	mg/L				85.2	85.2	85.2	85.2
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Lithium, dissolved			Soil-4 Acid Digest	28.1	mg/L				28.1	28.1	28.1	28.1
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Magnesium, dissolved			Soil-4 Acid Digest	0.2	%				0.2	0.2	0.2	0.2
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Magnesium, dissolved			Soil-4 Acid Digest	0.19	%				0.19	0.19	0.19	0.19
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Magnesium, dissolved			Soil-4 Acid Digest	0.2	%				0.2	0.2	0.2	0.2
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Magnesium, dissolved			Soil-4 Acid Digest	0.3	%				0.3	0.3	0.3	0.3
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static																			

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Magnesium, dissolved			Soil-4 Acid Digest	0.24	%				0.24	0.24	0.24	0.24
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Magnesium, dissolved			Soil-4 Acid Digest	0.59	%				0.59	0.59	0.59	0.59
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Magnesium, dissolved			Soil-4 Acid Digest	0.66	%				0.66	0.66	0.66	0.66
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Magnesium, dissolved			Soil-4 Acid Digest	0.2	%				0.2	0.2	0.2	0.2
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Magnesium, dissolved			Soil-4 Acid Digest	0.33	%				0.33	0.33	0.33	0.33
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Magnesium, dissolved			Soil-4 Acid Digest	0.87	%				0.87	0.87	0.87	0.87
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Magnesium, dissolved			Soil-4 Acid Digest	0.8	%				0.8	0.8	0.8	0.8
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Magnesium, dissolved			Soil-4 Acid Digest	0.62	%				0.62	0.62	0.62	0.62
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Manganese, dissolved			Soil-4 Acid Digest	138	mg/L				138	138	138	138
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Manganese, dissolved			Soil-4 Acid Digest	138	mg/L				138	138	138	138
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Manganese, dissolved			Soil-4 Acid Digest	94	mg/L				94	94	94	94
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Manganese, dissolved			Soil-4 Acid Digest	75	mg/L				75	75	75	75
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Manganese, dissolved			Soil-4 Acid Digest	71	mg/L				71	71	71	71
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Manganese, dissolved			Soil-4 Acid Digest	1450	mg/L				1450	1450	1450	1450
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Manganese, dissolved			Soil-4 Acid Digest	1420	mg/L				1420	1420	1420	1420
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Manganese, dissolved			Soil-4 Acid Digest	1960	mg/L				1960	1960	1960	1960
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Manganese, dissolved			Soil-4 Acid Digest	1900	mg/L				1900	1900	1900	1900
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Manganese, dissolved			Soil-4 Acid Digest	1860	mg/L				1860	1860	1860	1860
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Manganese, dissolved			Soil-4 Acid Digest	1370	mg/L				1370	1370	1370	1370
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Manganese, dissolved			Soil-4 Acid Digest	1490	mg/L				1490	1490	1490	1490
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Manganese, dissolved			Soil-4 Acid Digest	2210	mg/L				2210	2210	2210	2210
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Manganese, dissolved			Soil-4 Acid Digest	429	mg/L				429	429	429	429
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Manganese, dissolved			Soil-4 Acid Digest	796	mg/L				796	796	796	796
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Manganese, dissolved			Soil-4 Acid Digest	1520	mg/L				1520	1520	1520	1520
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Manganese, dissolved			Soil-4 Acid Digest	2080	mg/L				2080	2080	2080	2080
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Manganese, dissolved			Soil-4 Acid Digest	202	mg/L				202	202	202	202
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Manganese, dissolved			Soil-4 Acid Digest	226	mg/L				226	226	226	226
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Manganese, dissolved			Soil-4 Acid Digest	239	mg/L				239	239	239	239
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Manganese, dissolved			Soil-4 Acid Digest	120	mg/L				120	120	120	120
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Manganese, dissolved			Soil-4 Acid Digest	922	mg/L				922	922	922	922
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Manganese, dissolved			Soil-4 Acid Digest	1640	mg/L				1640	1640	1640	1640
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Manganese, dissolved			Soil-4 Acid Digest	1260	mg/L				1260	1260	1260	1260
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Manganese, dissolved			Soil-4 Acid Digest	1280	mg/L				1280	1280	1280	1280
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Molybdenum, dissolved			Soil-4 Acid Digest	31.2	mg/L				31.2	31.2	31.2	31.2
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Molybdenum, dissolved			Soil-4 Acid Digest	96.8	mg/L				96.8	96.8	96.8	96.8
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Molybdenum, dissolved			Soil-4 Acid Digest	73.5	mg/L				73.5	73.5	73.5	73.5
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Molybdenum, dissolved			Soil-4 Acid Digest	21.2	mg/L				21.2	21.2	21.2	21.2
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Molybdenum, dissolved			Soil-4 Acid Digest	5.26	mg/L				5.26	5.26	5.26	5.26
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Molybdenum, dissolved			Soil-4 Acid Digest	12.3	mg/L				12.3	12.3	12.3	12.3
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Molybdenum, dissolved			Soil-4 Acid Digest	9.22	mg/L				9.22	9.22	9.22	9.22
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Molybdenum, dissolved			Soil-4 Acid Digest	10.6	mg/L				10.6	10.6	10.6	10.6
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Molybdenum, dissolved			Soil-4 Acid Digest	2.88	mg/L				2.88	2.88	2.88	2.88
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Molybdenum, dissolved			Soil-4 Acid Digest	3.58	mg/L				3.58	3.58	3.58	3.58
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Molybdenum, dissolved			Soil-4 Acid Digest	3.17	mg/L				3.17	3.17	3.17	3.17
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Molybdenum, dissolved			Soil-4 Acid Digest	4.63	mg/L				4.63	4.63	4.63	4.63
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Molybdenum, dissolved			Soil-4 Acid Digest	8.09	mg/L				8.09	8.09	8.09	8.09
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Molybdenum, dissolved			Soil-4 Acid Digest	25.3	mg/L				25.3	25.3	25.3	25.3
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Molybdenum, dissolved			Soil-4 Acid Digest	89	mg/L				89	89	89	89
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Molybdenum, dissolved			Soil-4 Acid Digest	13.4	mg/L				13.4	13.4	13.4	13.4
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Molybdenum, dissolved			Soil-4 Acid Digest	12.8	mg/L				12.8	12.8	12.8	12.8
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Molybdenum, dissolved			Soil-4 Acid Digest	5.38	mg/L				5.38	5.38	5.38	5.38
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Molybdenum, dissolved			Soil-4 Acid Digest	11.95	mg/L				11.95	11.95	11.95	11.95
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Molybdenum, dissolved			Soil-4 Acid Digest	20	mg/L				20	20	20	20
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Molybdenum, dissolved			Soil-4 Acid Digest	65	mg/L				65	65	65	65
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Molybdenum, dissolved			Soil-4 Acid Digest	11.4	mg/L				11.4	11.4	11.4	11.4
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Molybdenum, dissolved			Soil-4 Acid Digest	5.39	mg/L				5.39	5.39	5.39	5.39
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Molybdenum, dissolved			Soil-4 Acid Digest	37.4	mg/L				37.4	37.4	37.4	37.4
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Molybdenum, dissolved			Soil-4 Acid Digest	17.3	mg/L				17.3	17.3	17.3	17.3
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Sodium, dissolved			Soil-4 Acid Digest	0.44	%				0.44	0.44	0.44	0.44
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Sodium, dissolved			Soil-4 Acid Digest	0.33	%				0.33	0.33	0.33	0.33
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Sodium, dissolved			Soil-4 Acid Digest	0.67	%				0.67	0.67	0.67	0.67
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015														

Hole ID	Composi e Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Sodium, dissolved			Soil-4 Acid Digest	3.03		%			3.03	3.03	3.03	3.03
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Sodium, dissolved			Soil-4 Acid Digest	3.49		%			3.49	3.49	3.49	3.49
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Sodium, dissolved			Soil-4 Acid Digest	2.56		%			2.56	2.56	2.56	2.56
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Sodium, dissolved			Soil-4 Acid Digest	2.22		%			2.22	2.22	2.22	2.22
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Sodium, dissolved			Soil-4 Acid Digest	0.49		%			0.49	0.49	0.49	0.49
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Sodium, dissolved			Soil-4 Acid Digest	2.7		%			2.7	2.7	2.7	2.7
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Sodium, dissolved			Soil-4 Acid Digest	3.86		%			3.86	3.86	3.86	3.86
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Sodium, dissolved			Soil-4 Acid Digest	3.33		%			3.33	3.33	3.33	3.33
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Sodium, dissolved			Soil-4 Acid Digest	3.02		%			3.02	3.02	3.02	3.02
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Niobium, dissolved			Soil-4 Acid Digest	111		mg/L			111	111	111	111
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Niobium, dissolved			Soil-4 Acid Digest	87.8		mg/L			87.8	87.8	87.8	87.8
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Niobium, dissolved			Soil-4 Acid Digest	64.4		mg/L			64.4	64.4	64.4	64.4
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Niobium, dissolved			Soil-4 Acid Digest	38.2		mg/L			38.2	38.2	38.2	38.2
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Niobium, dissolved			Soil-4 Acid Digest	41.2		mg/L			41.2	41.2	41.2	41.2
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Niobium, dissolved			Soil-4 Acid Digest	76.5		mg/L			76.5	76.5	76.5	76.5
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Niobium, dissolved			Soil-4 Acid Digest	80.8		mg/L			80.8	80.8	80.8	80.8
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Niobium, dissolved			Soil-4 Acid Digest	65.7		mg/L			65.7	65.7	65.7	65.7
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Niobium, dissolved			Soil-4 Acid Digest	61		mg/L			61	61	61	61
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Niobium, dissolved			Soil-4 Acid Digest	57		mg/L			57	57	57	57
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Niobium, dissolved			Soil-4 Acid Digest	86.1		mg/L			86.1	86.1	86.1	86.1
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Niobium, dissolved			Soil-4 Acid Digest	59.2		mg/L			59.2	59.2	59.2	59.2
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Niobium, dissolved			Soil-4 Acid Digest	50.9		mg/L			50.9	50.9	50.9	50.9
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Niobium, dissolved			Soil-4 Acid Digest	16		mg/L			16	16	16	16
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Niobium, dissolved			Soil-4 Acid Digest	23.3		mg/L			23.3	23.3	23.3	23.3
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Niobium, dissolved			Soil-4 Acid Digest	41.9		mg/L			41.9	41.9	41.9	41.9
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Niobium, dissolved			Soil-4 Acid Digest	49.7		mg/L			49.7	49.7	49.7	49.7
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Niobium, dissolved			Soil-4 Acid Digest	48.8		mg/L			48.8	48.8	48.8	48.8
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Niobium, dissolved			Soil-4 Acid Digest	28.4		mg/L			28.4	28.4	28.4	28.4
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Niobium, dissolved			Soil-4 Acid Digest	15.7		mg/L			15.7	15.7	15.7	15.7
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Niobium, dissolved			Soil-4 Acid Digest	76.2		mg/L			76.2	76.2	76.2	76.2
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Niobium, dissolved			Soil-4 Acid Digest	56.4		mg/L			56.4	56.4	56.4	56.4
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Niobium, dissolved			Soil-4 Acid Digest	55		mg/L			55	55	55	55
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Niobium, dissolved			Soil-4 Acid Digest	35.6		mg/L			35.6	35.6	35.6	35.6
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Niobium, dissolved			Soil-4 Acid Digest	39.8		mg/L			39.8	39.8	39.8	39.8
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Nickel, dissolved			Soil-4 Acid Digest	0.9		mg/L			0.9	0.9	0.9	0.9
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Nickel, dissolved			Soil-4 Acid Digest	0.8		mg/L			0.8	0.8	0.8	0.8
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Nickel, dissolved			Soil-4 Acid Digest	2.2		mg/L			2.2	2.2	2.2	2.2
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Nickel, dissolved			Soil-4 Acid Digest	11.4		mg/L			11.4	11.4	11.4	11.4
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Nickel, dissolved			Soil-4 Acid Digest	19.1		mg/L			19.1	19.1	19.1	19.1
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Nickel, dissolved			Soil-4 Acid Digest	9.1		mg/L			9.1	9.1	9.1	9.1
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Nickel, dissolved			Soil-4 Acid Digest	7.1		mg/L			7.1	7.1	7.1	7.1
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Nickel, dissolved			Soil-4 Acid Digest	6.5		mg/L			6.5	6.5	6.5	6.5
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Nickel, dissolved			Soil-4 Acid Digest	5.7		mg/L			5.7	5.7	5.7	5.7
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Nickel, dissolved			Soil-4 Acid Digest	5.7		mg/L			5.7	5.7	5.7	5.7
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Nickel, dissolved			Soil-4 Acid Digest	3		mg/L			3	3	3	3
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Nickel, dissolved			Soil-4 Acid Digest	15		mg/L			15	15	15	15
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Nickel, dissolved			Soil-4 Acid Digest	8.9		mg/L			8.9	8.9	8.9	8.9
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Nickel, dissolved			Soil-4 Acid Digest	6.2		mg/L			6.2	6.2	6.2	6.2
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Nickel, dissolved			Soil-4 Acid Digest	37.5		mg/L			37.5	37.5	37.5	37.5
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Nickel, dissolved			Soil-4 Acid Digest	60.2		mg/L			60.2	60.2	60.2	60.2
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Nickel, dissolved			Soil-4 Acid Digest	4		mg/L			4	4	4	4
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Nickel, dissolved			Soil-4 Acid Digest	4.2		mg/L			4.2	4.2	4.2	4.2
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Nickel, dissolved			Soil-4 Acid Digest	20.2		mg/L			20.2	20.2	20.2	20.2
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Nickel, dissolved			Soil-4 Acid Digest	21.6		mg/L			21.6	21.6	21.6	21.6
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Nickel, dissolved			Soil-4 Acid Digest	1.3		mg/L			1.3	1.3	1.3	1.3
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Nickel, dissolved			Soil-4 Acid Digest	11.5		mg/L			11.5	11.5	11.5	11.5
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Nickel, dissolved			Soil-4 Acid Digest	5.1		mg/L			5.1	5.1	5.1	5.1
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Nickel, dissolved			Soil-4 Acid Digest	16.2		mg/L			16.2	16.2	16.2	16.2
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Nickel, dissolved			Soil-4 Acid Digest	20.2		mg/L			20.2	20.2	20.2	20.2
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Phosphorus, dissolved			Soil-4 Acid Digest	510		mg/L			510	510	510	510
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Phosphorus, dissolved			Soil-4 Acid Digest	800		mg/L			800	800	800	800
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Phosphorus, dissolved			Soil-4 Acid Digest	1260		mg/L						

Hole ID	Composi e Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Phosphorus, dissolved			Soil-4 Acid Digest	1130		mg/L			1130	1130	1130	1130
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Phosphorus, dissolved			Soil-4 Acid Digest	960		mg/L			960	960	960	960
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Phosphorus, dissolved			Soil-4 Acid Digest	800		mg/L			800	800	800	800
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Phosphorus, dissolved			Soil-4 Acid Digest	990		mg/L			990	990	990	990
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Phosphorus, dissolved			Soil-4 Acid Digest	1180		mg/L			1180	1180	1180	1180
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Phosphorus, dissolved			Soil-4 Acid Digest	910		mg/L			910	910	910	910
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Phosphorus, dissolved			Soil-4 Acid Digest	2390		mg/L			2390	2390	2390	2390
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Phosphorus, dissolved			Soil-4 Acid Digest	2250		mg/L			2250	2250	2250	2250
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Phosphorus, dissolved			Soil-4 Acid Digest	1520		mg/L			1520	1520	1520	1520
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Phosphorus, dissolved			Soil-4 Acid Digest	960		mg/L			960	960	960	960
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Lead, dissolved			Soil-4 Acid Digest	95.3		mg/L			95.3	95.3	95.3	95.3
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Lead, dissolved			Soil-4 Acid Digest	217		mg/L			217	217	217	217
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Lead, dissolved			Soil-4 Acid Digest	142.5		mg/L			142.5	142.5	142.5	142.5
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Lead, dissolved			Soil-4 Acid Digest	106		mg/L			106	106	106	106
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Lead, dissolved			Soil-4 Acid Digest	52		mg/L			52	52	52	52
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Lead, dissolved			Soil-4 Acid Digest	45.9		mg/L			45.9	45.9	45.9	45.9
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Lead, dissolved			Soil-4 Acid Digest	85.7		mg/L			85.7	85.7	85.7	85.7
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Lead, dissolved			Soil-4 Acid Digest	115.5		mg/L			115.5	115.5	115.5	115.5
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Lead, dissolved			Soil-4 Acid Digest	36.8		mg/L			36.8	36.8	36.8	36.8
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Lead, dissolved			Soil-4 Acid Digest	122		mg/L			122	122	122	122
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Lead, dissolved			Soil-4 Acid Digest	88.9		mg/L			88.9	88.9	88.9	88.9
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Lead, dissolved			Soil-4 Acid Digest	136.5		mg/L			136.5	136.5	136.5	136.5
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Lead, dissolved			Soil-4 Acid Digest	365		mg/L			365	365	365	365
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Lead, dissolved			Soil-4 Acid Digest	29		mg/L			29	29	29	29
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Lead, dissolved			Soil-4 Acid Digest	300		mg/L			300	300	300	300
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Lead, dissolved			Soil-4 Acid Digest	177		mg/L			177	177	177	177
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Lead, dissolved			Soil-4 Acid Digest	83.8		mg/L			83.8	83.8	83.8	83.8
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Lead, dissolved			Soil-4 Acid Digest	20.2		mg/L			20.2	20.2	20.2	20.2
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Lead, dissolved			Soil-4 Acid Digest	27		mg/L			27	27	27	27
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Lead, dissolved			Soil-4 Acid Digest	25.3		mg/L			25.3	25.3	25.3	25.3
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Lead, dissolved			Soil-4 Acid Digest	144		mg/L			144	144	144	144
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Lead, dissolved			Soil-4 Acid Digest	72.8		mg/L			72.8	72.8	72.8	72.8
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Lead, dissolved			Soil-4 Acid Digest	97.4		mg/L			97.4	97.4	97.4	97.4
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Lead, dissolved			Soil-4 Acid Digest	154		mg/L			154	154	154	154
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Lead, dissolved			Soil-4 Acid Digest	85		mg/L			85	85	85	85
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Rubidium, dissolved			Soil-4 Acid Digest	199.5		mg/L			199.5	199.5	199.5	199.5
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Rubidium, dissolved			Soil-4 Acid Digest	200		mg/L			200	200	200	200
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Rubidium, dissolved			Soil-4 Acid Digest	231		mg/L			231	231	231	231
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Rubidium, dissolved			Soil-4 Acid Digest	241		mg/L			241	241	241	241
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Rubidium, dissolved			Soil-4 Acid Digest	247		mg/L			247	247	247	247
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Rubidium, dissolved			Soil-4 Acid Digest	199.5		mg/L			199.5	199.5	199.5	199.5
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Rubidium, dissolved			Soil-4 Acid Digest	249		mg/L			249	249	249	249
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Rubidium, dissolved			Soil-4 Acid Digest	247		mg/L			247	247	247	247
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Rubidium, dissolved			Soil-4 Acid Digest	208		mg/L			208	208	208	208
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Rubidium, dissolved			Soil-4 Acid Digest	207		mg/L			207	207	207	207
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Rubidium, dissolved			Soil-4 Acid Digest	179		mg/L			179	179	179	179
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Rubidium, dissolved			Soil-4 Acid Digest	182		mg/L			182	182	182	182
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Rubidium, dissolved			Soil-4 Acid Digest	198		mg/L			198	198	198	198
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Rubidium, dissolved			Soil-4 Acid Digest	246		mg/L			246	246	246	246
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Rubidium, dissolved			Soil-4 Acid Digest	249		mg/L			249	249	249	249
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Rubidium, dissolved			Soil-4 Acid Digest	272		mg/L			272	272	272	272
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Rubidium, dissolved			Soil-4 Acid Digest	201		mg/L			201	201	201	201
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Rubidium, dissolved			Soil-4 Acid Digest	199.5		mg/L			199.5	199.5	199.5	199.5
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Rubidium, dissolved			Soil-4 Acid Digest	241		mg/L			241	241	241	241
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Rubidium, dissolved			Soil-4 Acid Digest	280		mg/L			280	280	280	280
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Rubidium, dissolved			Soil-4 Acid Digest	221		mg/L			221	221	221	221
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Rubidium, dissolved			Soil-4 Acid Digest	258		mg/L			258	258	258	258
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Rubidium, dissolved			Soil-4 Acid Digest	222		mg/L			222	222	222	222
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Rubidium, dissolved			Soil-4 Acid Digest	234		mg/L			234	234	234	234
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Rubidium, dissolved			Soil-4 Acid Digest	220		mg/L			220	220	220	220
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Rhenium, dissolved			Soil-4 Acid Digest	<0.002		mg/L		<0.002	<0.002	#VALUE!	<0.002	
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Rhenium, dissolved			Soil-4 Acid Digest	0.002		mg/L			0.002	0		

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Rhenium, dissolved			Soil-4 Acid Digest	0.028		mg/L			0.028	0.028	0.028	0.028
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Rhenium, dissolved			Soil-4 Acid Digest	0.006		mg/L			0.006	0.006	0.006	0.006
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Rhenium, dissolved			Soil-4 Acid Digest	0.006		mg/L			0.006	0.006	0.006	0.006
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Rhenium, dissolved			Soil-4 Acid Digest	0.003		mg/L			0.003	0.003	0.003	0.003
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Rhenium, dissolved			Soil-4 Acid Digest	0.004		mg/L			0.004	0.004	0.004	0.004
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Rhenium, dissolved			Soil-4 Acid Digest	0.003		mg/L			0.003	0.003	0.003	0.003
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Rhenium, dissolved			Soil-4 Acid Digest	0.004		mg/L			0.004	0.004	0.004	0.004
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Rhenium, dissolved			Soil-4 Acid Digest	0.01		mg/L			0.01	0.01	0.01	0.01
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Rhenium, dissolved			Soil-4 Acid Digest	<0.002		mg/L		<0.002	<0.002	#VALUE!	<0.002	
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Rhenium, dissolved			Soil-4 Acid Digest	0.008		mg/L			0.008	0.008	0.008	0.008
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Rhenium, dissolved			Soil-4 Acid Digest	0.004		mg/L			0.004	0.004	0.004	0.004
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Sulfur, dissolved			Soil-4 Acid Digest	0.35		%			0.35	0.35	0.35	0.35
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Sulfur, dissolved			Soil-4 Acid Digest	0.6		%			0.6	0.6	0.6	0.6
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Sulfur, dissolved			Soil-4 Acid Digest	1.15		%			1.15	1.15	1.15	1.15
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Sulfur, dissolved			Soil-4 Acid Digest	3.57		%			3.57	3.57	3.57	3.57
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Sulfur, dissolved			Soil-4 Acid Digest	5.34		%			5.34	5.34	5.34	5.34
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Sulfur, dissolved			Soil-4 Acid Digest	4.03		%			4.03	4.03	4.03	4.03
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Sulfur, dissolved			Soil-4 Acid Digest	3.42		%			3.42	3.42	3.42	3.42
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Sulfur, dissolved			Soil-4 Acid Digest	4.61		%			4.61	4.61	4.61	4.61
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Sulfur, dissolved			Soil-4 Acid Digest	4.25		%			4.25	4.25	4.25	4.25
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Sulfur, dissolved			Soil-4 Acid Digest	5		%			5	5	5	5
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Sulfur, dissolved			Soil-4 Acid Digest	5.23		%			5.23	5.23	5.23	5.23
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Sulfur, dissolved			Soil-4 Acid Digest	6.95		%			6.95	6.95	6.95	6.95
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Sulfur, dissolved			Soil-4 Acid Digest	5.7		%			5.7	5.7	5.7	5.7
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Sulfur, dissolved			Soil-4 Acid Digest	3.56		%			3.56	3.56	3.56	3.56
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Sulfur, dissolved			Soil-4 Acid Digest	3.52		%			3.52	3.52	3.52	3.52
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Sulfur, dissolved			Soil-4 Acid Digest	3.42		%			3.42	3.42	3.42	3.42
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Sulfur, dissolved			Soil-4 Acid Digest	4.37		%			4.37	4.37	4.37	4.37
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Sulfur, dissolved			Soil-4 Acid Digest	4.39		%			4.39	4.39	4.39	4.39
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Sulfur, dissolved			Soil-4 Acid Digest	4.01		%			4.01	4.01	4.01	4.01
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Sulfur, dissolved			Soil-4 Acid Digest	3.36		%			3.36	3.36	3.36	3.36
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Sulfur, dissolved			Soil-4 Acid Digest	0.73		%			0.73	0.73	0.73	0.73
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Sulfur, dissolved			Soil-4 Acid Digest	4.01		%			4.01	4.01	4.01	4.01
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Sulfur, dissolved			Soil-4 Acid Digest	4.54		%			4.54	4.54	4.54	4.54
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Sulfur, dissolved			Soil-4 Acid Digest	4.96		%			4.96	4.96	4.96	4.96
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Sulfur, dissolved			Soil-4 Acid Digest	4.01		%			4.01	4.01	4.01	4.01
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Antimony, dissolved			Soil-4 Acid Digest	0.95		mg/L			0.95	0.95	0.95	0.95
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Antimony, dissolved			Soil-4 Acid Digest	1.1		mg/L			1.1	1.1	1.1	1.1
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Antimony, dissolved			Soil-4 Acid Digest	0.91		mg/L			0.91	0.91	0.91	0.91
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Antimony, dissolved			Soil-4 Acid Digest	1.29		mg/L			1.29	1.29	1.29	1.29
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Antimony, dissolved			Soil-4 Acid Digest	2.33		mg/L			2.33	2.33	2.33	2.33
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Antimony, dissolved			Soil-4 Acid Digest	1.95		mg/L			1.95	1.95	1.95	1.95
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Antimony, dissolved			Soil-4 Acid Digest	1.95		mg/L			1.95	1.95	1.95	1.95
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Antimony, dissolved			Soil-4 Acid Digest	2.44		mg/L			2.44	2.44	2.44	2.44
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Antimony, dissolved			Soil-4 Acid Digest	1.6		mg/L			1.6	1.6	1.6	1.6
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Antimony, dissolved			Soil-4 Acid Digest	6.75		mg/L			6.75	6.75	6.75	6.75
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Antimony, dissolved			Soil-4 Acid Digest	4.51		mg/L			4.51	4.51	4.51	4.51
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Antimony, dissolved			Soil-4 Acid Digest	2.09		mg/L			2.09	2.09	2.09	2.09
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Antimony, dissolved			Soil-4 Acid Digest	7.86		mg/L			7.86	7.86	7.86	7.86
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Antimony, dissolved			Soil-4 Acid Digest	0.47		mg/L			0.47	0.47	0.47	0.47
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Antimony, dissolved			Soil-4 Acid Digest	1.83		mg/L			1.83	1.83	1.83	1.83
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Antimony, dissolved			Soil-4 Acid Digest	3.37		mg/L			3.37	3.37	3.37	3.37
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Antimony, dissolved			Soil-4 Acid Digest	4.4		mg/L			4.4	4.4	4.4	4.4
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Antimony, dissolved			Soil-4 Acid Digest	0.98		mg/L			0.98	0.98	0.98	0.98
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Antimony, dissolved			Soil-4 Acid Digest	0.47		mg/L			0.47	0.47	0.47	0.47
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Antimony, dissolved			Soil-4 Acid Digest	0.66		mg/L			0.66	0.66	0.66	0.66
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Antimony, dissolved			Soil-4 Acid Digest	0.91		mg/L			0.91	0.91	0.91	0.91
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Antimony, dissolved			Soil-4 Acid Digest	1.51		mg/L			1.51	1.51	1.51	1.51
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Antimony, dissolved			Soil-4 Acid Digest	2.95		mg/L			2.95	2.95	2.95	2.95
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Antimony, dissolved			Soil-4 Acid Digest	1.72		mg/L			1.72	1.72	1.72	1.72
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Antimony, dissolved			Soil-4 Acid Digest	2.08		mg/L			2.08	2.08	2.08	2.08
CPC14-3	Static	4-A																				

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Strontium, dissolved			Soil-4 Acid Digest	1330		mg/L			1330	1330	1330	1330
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Strontium, dissolved			Soil-4 Acid Digest	713		mg/L			713	713	713	713
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Strontium, dissolved			Soil-4 Acid Digest	720		mg/L			720	720	720	720
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Strontium, dissolved			Soil-4 Acid Digest	1045		mg/L			1045	1045	1045	1045
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Strontium, dissolved			Soil-4 Acid Digest	1200		mg/L			1200	1200	1200	1200
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Strontium, dissolved			Soil-4 Acid Digest	977		mg/L			977	977	977	977
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Strontium, dissolved			Soil-4 Acid Digest	624		mg/L			624	624	624	624
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Strontium, dissolved			Soil-4 Acid Digest	564		mg/L			564	564	564	564
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Strontium, dissolved			Soil-4 Acid Digest	3300		mg/L			3300	3300	3300	3300
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Strontium, dissolved			Soil-4 Acid Digest	3410		mg/L			3410	3410	3410	3410
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Strontium, dissolved			Soil-4 Acid Digest	1285		mg/L			1285	1285	1285	1285
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Strontium, dissolved			Soil-4 Acid Digest	1085		mg/L			1085	1085	1085	1085
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Strontium, dissolved			Soil-4 Acid Digest	1075		mg/L			1075	1075	1075	1075
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Tantalum, dissolved			Soil-4 Acid Digest	5.1		mg/L			5.1	5.1	5.1	5.1
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Tantalum, dissolved			Soil-4 Acid Digest	4.12		mg/L			4.12	4.12	4.12	4.12
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Tantalum, dissolved			Soil-4 Acid Digest	2.97		mg/L			2.97	2.97	2.97	2.97
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Tantalum, dissolved			Soil-4 Acid Digest	2.06		mg/L			2.06	2.06	2.06	2.06
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Tantalum, dissolved			Soil-4 Acid Digest	2.34		mg/L			2.34	2.34	2.34	2.34
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Tantalum, dissolved			Soil-4 Acid Digest	3.7		mg/L			3.7	3.7	3.7	3.7
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Tantalum, dissolved			Soil-4 Acid Digest	4.24		mg/L			4.24	4.24	4.24	4.24
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Tantalum, dissolved			Soil-4 Acid Digest	3.5		mg/L			3.5	3.5	3.5	3.5
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Tantalum, dissolved			Soil-4 Acid Digest	3.37		mg/L			3.37	3.37	3.37	3.37
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Tantalum, dissolved			Soil-4 Acid Digest	3.13		mg/L			3.13	3.13	3.13	3.13
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Tantalum, dissolved			Soil-4 Acid Digest	4.37		mg/L			4.37	4.37	4.37	4.37
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Tantalum, dissolved			Soil-4 Acid Digest	3.17		mg/L			3.17	3.17	3.17	3.17
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Tantalum, dissolved			Soil-4 Acid Digest	2.5		mg/L			2.5	2.5	2.5	2.5
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Tantalum, dissolved			Soil-4 Acid Digest	0.71		mg/L			0.71	0.71	0.71	0.71
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Tantalum, dissolved			Soil-4 Acid Digest	1.1		mg/L			1.1	1.1	1.1	1.1
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Tantalum, dissolved			Soil-4 Acid Digest	2.47		mg/L			2.47	2.47	2.47	2.47
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Tantalum, dissolved			Soil-4 Acid Digest	2.11		mg/L			2.11	2.11	2.11	2.11
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Tantalum, dissolved			Soil-4 Acid Digest	2.18		mg/L			2.18	2.18	2.18	2.18
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Tantalum, dissolved			Soil-4 Acid Digest	1.1		mg/L			1.1	1.1	1.1	1.1
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Tantalum, dissolved			Soil-4 Acid Digest	0.89		mg/L			0.89	0.89	0.89	0.89
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Tantalum, dissolved			Soil-4 Acid Digest	3.56		mg/L			3.56	3.56	3.56	3.56
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Tantalum, dissolved			Soil-4 Acid Digest	3.34		mg/L			3.34	3.34	3.34	3.34
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Tantalum, dissolved			Soil-4 Acid Digest	2.96		mg/L			2.96	2.96	2.96	2.96
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Tantalum, dissolved			Soil-4 Acid Digest	1.82		mg/L			1.82	1.82	1.82	1.82
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Tantalum, dissolved			Soil-4 Acid Digest	1.67		mg/L			1.67	1.67	1.67	1.67
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Tellurium, dissolved			Soil-4 Acid Digest	0.94		mg/L			0.94	0.94	0.94	0.94
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Tellurium, dissolved			Soil-4 Acid Digest	1.09		mg/L			1.09	1.09	1.09	1.09
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Tellurium, dissolved			Soil-4 Acid Digest	0.59		mg/L			0.59	0.59	0.59	0.59
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Tellurium, dissolved			Soil-4 Acid Digest	0.96		mg/L			0.96	0.96	0.96	0.96
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Tellurium, dissolved			Soil-4 Acid Digest	1.35		mg/L			1.35	1.35	1.35	1.35
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Tellurium, dissolved			Soil-4 Acid Digest	1.3		mg/L			1.3	1.3	1.3	1.3
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Tellurium, dissolved			Soil-4 Acid Digest	1.53		mg/L			1.53	1.53	1.53	1.53
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Tellurium, dissolved			Soil-4 Acid Digest	1.87		mg/L			1.87	1.87	1.87	1.87
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Tellurium, dissolved			Soil-4 Acid Digest	1.22		mg/L			1.22	1.22	1.22	1.22
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Tellurium, dissolved			Soil-4 Acid Digest	1.81		mg/L			1.81	1.81	1.81	1.81
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Tellurium, dissolved			Soil-4 Acid Digest	0.76		mg/L			0.76	0.76	0.76	0.76
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Tellurium, dissolved			Soil-4 Acid Digest	0.71		mg/L			0.71	0.71	0.71	0.71
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Tellurium, dissolved			Soil-4 Acid Digest	1.41		mg/L			1.41	1.41	1.41	1.41
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Tellurium, dissolved			Soil-4 Acid Digest	0.46		mg/L			0.46	0.46	0.46	0.46
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Tellurium, dissolved			Soil-4 Acid Digest	1.66		mg/L			1.66	1.66	1.66	1.66
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Tellurium, dissolved			Soil-4 Acid Digest	1.31		mg/L			1.31	1.31	1.31	1.31
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Tellurium, dissolved			Soil-4 Acid Digest	2.56		mg/L			2.56	2.56	2.56	2.56
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Tellurium, dissolved			Soil-4 Acid Digest	1.39		mg/L			1.39	1.39	1.39	1.39
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Tellurium, dissolved			Soil-4 Acid Digest	0.56		mg/L			0.56	0.56	0.56	0.56
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Tellurium, dissolved			Soil-4 Acid Digest	1.08		mg/L			1.08	1.08	1.08	1.08
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Tellurium, dissolved			Soil-4 Acid Digest	0.83		mg/L			0.83	0.83	0.83	0.83
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Tellurium, dissolved			Soil-4 Acid Digest	1.36		mg/L			1.36	1.36	1.36	1.36
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Tellurium, dissolved			Soil-4 Acid Digest	1.79		mg/L			1.79	1.79	1.79	1.79
CPC14-3</																						

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Thorium, dissolved			Soil-4 Acid Digest	29.1		mg/L			29.1	29.1	29.1	29.1
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Thorium, dissolved			Soil-4 Acid Digest	29.4		mg/L			29.4	29.4	29.4	29.4
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Thorium, dissolved			Soil-4 Acid Digest	36.8		mg/L			36.8	36.8	36.8	36.8
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Thorium, dissolved			Soil-4 Acid Digest	33.1		mg/L			33.1	33.1	33.1	33.1
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Thorium, dissolved			Soil-4 Acid Digest	36.7		mg/L			36.7	36.7	36.7	36.7
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Thorium, dissolved			Soil-4 Acid Digest	40.4		mg/L			40.4	40.4	40.4	40.4
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Thorium, dissolved			Soil-4 Acid Digest	38.1		mg/L			38.1	38.1	38.1	38.1
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Thorium, dissolved			Soil-4 Acid Digest	46.4		mg/L			46.4	46.4	46.4	46.4
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Thorium, dissolved			Soil-4 Acid Digest	35.8		mg/L			35.8	35.8	35.8	35.8
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Thorium, dissolved			Soil-4 Acid Digest	53.8		mg/L			53.8	53.8	53.8	53.8
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Thorium, dissolved			Soil-4 Acid Digest	30.9		mg/L			30.9	30.9	30.9	30.9
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Thorium, dissolved			Soil-4 Acid Digest	31.7		mg/L			31.7	31.7	31.7	31.7
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Thorium, dissolved			Soil-4 Acid Digest	32		mg/L			32	32	32	32
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Thorium, dissolved			Soil-4 Acid Digest	40.2		mg/L			40.2	40.2	40.2	40.2
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Titanium, dissolved			Soil-4 Acid Digest	0.326		%			0.326	0.326	0.326	0.326
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Titanium, dissolved			Soil-4 Acid Digest	0.285		%			0.285	0.285	0.285	0.285
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Titanium, dissolved			Soil-4 Acid Digest	0.273		%			0.273	0.273	0.273	0.273
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Titanium, dissolved			Soil-4 Acid Digest	0.512		%			0.512	0.512	0.512	0.512
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Titanium, dissolved			Soil-4 Acid Digest	0.597		%			0.597	0.597	0.597	0.597
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Titanium, dissolved			Soil-4 Acid Digest	0.407		%			0.407	0.407	0.407	0.407
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Titanium, dissolved			Soil-4 Acid Digest	0.498		%			0.498	0.498	0.498	0.498
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Titanium, dissolved			Soil-4 Acid Digest	0.451		%			0.451	0.451	0.451	0.451
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Titanium, dissolved			Soil-4 Acid Digest	0.475		%			0.475	0.475	0.475	0.475
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Titanium, dissolved			Soil-4 Acid Digest	0.434		%			0.434	0.434	0.434	0.434
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Titanium, dissolved			Soil-4 Acid Digest	0.354		%			0.354	0.354	0.354	0.354
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Titanium, dissolved			Soil-4 Acid Digest	0.379		%			0.379	0.379	0.379	0.379
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Titanium, dissolved			Soil-4 Acid Digest	0.28		%			0.28	0.28	0.28	0.28
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Titanium, dissolved			Soil-4 Acid Digest	0.173		%			0.173	0.173	0.173	0.173
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Titanium, dissolved			Soil-4 Acid Digest	0.184		%			0.184	0.184	0.184	0.184
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Titanium, dissolved			Soil-4 Acid Digest	0.245		%			0.245	0.245	0.245	0.245
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Titanium, dissolved			Soil-4 Acid Digest	0.213		%			0.213	0.213	0.213	0.213
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Titanium, dissolved			Soil-4 Acid Digest	0.195		%			0.195	0.195	0.195	0.195
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Titanium, dissolved			Soil-4 Acid Digest	0.164		%			0.164	0.164	0.164	0.164
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Titanium, dissolved			Soil-4 Acid Digest	0.149		%			0.149	0.149	0.149	0.149
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Titanium, dissolved			Soil-4 Acid Digest	0.262		%			0.262	0.262	0.262	0.262
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Titanium, dissolved			Soil-4 Acid Digest	0.502		%			0.502	0.502	0.502	0.502
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Titanium, dissolved			Soil-4 Acid Digest	0.399		%			0.399	0.399	0.399	0.399
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Titanium, dissolved			Soil-4 Acid Digest	0.244		%			0.244	0.244	0.244	0.244
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Titanium, dissolved			Soil-4 Acid Digest	0.193		%			0.193	0.193	0.193	0.193
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Thallium, dissolved			Soil-4 Acid Digest	2.57		mg/L			2.57	2.57	2.57	2.57
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Thallium, dissolved			Soil-4 Acid Digest	2.91		mg/L			2.91	2.91	2.91	2.91
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Thallium, dissolved			Soil-4 Acid Digest	3.41		mg/L			3.41	3.41	3.41	3.41
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Thallium, dissolved			Soil-4 Acid Digest	2.3		mg/L			2.3	2.3	2.3	2.3
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Thallium, dissolved			Soil-4 Acid Digest	2.81		mg/L			2.81	2.81	2.81	2.81
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Thallium, dissolved			Soil-4 Acid Digest	3.11		mg/L			3.11	3.11	3.11	3.11
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Thallium, dissolved			Soil-4 Acid Digest	2.84		mg/L			2.84	2.84	2.84	2.84
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Thallium, dissolved			Soil-4 Acid Digest	2.55		mg/L			2.55	2.55	2.55	2.55
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Thallium, dissolved			Soil-4 Acid Digest	2.6		mg/L			2.6	2.6	2.6	2.6
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Thallium, dissolved			Soil-4 Acid Digest	2.49		mg/L			2.49	2.49	2.49	2.49
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Thallium, dissolved			Soil-4 Acid Digest	1.67		mg/L			1.67	1.67	1.67	1.67
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Thallium, dissolved			Soil-4 Acid Digest	2.02		mg/L			2.02	2.02	2.02	2.02
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Thallium, dissolved			Soil-4 Acid Digest	1.46		mg/L			1.46	1.46	1.46	1.46
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Thallium, dissolved			Soil-4 Acid Digest	1.82		mg/L			1.82	1.82	1.82	1.82
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Thallium, dissolved			Soil-4 Acid Digest	2.57		mg/L			2.57	2.57	2.57	2.57
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Thallium, dissolved			Soil-4 Acid Digest	2.2		mg/L			2.2	2.2	2.2	2.2
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Thallium, dissolved			Soil-4 Acid Digest	1.48		mg/L			1.48	1.48	1.48	1.48
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Thallium, dissolved			Soil-4 Acid Digest	1.56		mg/L			1.56	1.56	1.56	1.56
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Thallium, dissolved			Soil-4 Acid Digest	1.9		mg/L			1.9	1.9	1.9	1.9
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Thallium, dissolved			Soil-4 Acid Digest	2.08		mg/L			2.08	2.08	2.08	2.08
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Thallium, dissolved			Soil-4 Acid Digest	3.02		mg/L			3.02	3.02	3.02	3.02
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Thallium, dissolved			So									

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Uranium, dissolved			Soil-4 Acid Digest	6.7		mg/L			6.7	6.7	6.7	6.7
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Uranium, dissolved			Soil-4 Acid Digest	6.2		mg/L			6.2	6.2	6.2	6.2
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Uranium, dissolved			Soil-4 Acid Digest	5.5		mg/L			5.5	5.5	5.5	5.5
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Uranium, dissolved			Soil-4 Acid Digest	4.9		mg/L			4.9	4.9	4.9	4.9
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Uranium, dissolved			Soil-4 Acid Digest	8.5		mg/L			8.5	8.5	8.5	8.5
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Uranium, dissolved			Soil-4 Acid Digest	9.8		mg/L			9.8	9.8	9.8	9.8
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Uranium, dissolved			Soil-4 Acid Digest	11.2		mg/L			11.2	11.2	11.2	11.2
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Uranium, dissolved			Soil-4 Acid Digest	9.3		mg/L			9.3	9.3	9.3	9.3
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Uranium, dissolved			Soil-4 Acid Digest	8.8		mg/L			8.8	8.8	8.8	8.8
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Uranium, dissolved			Soil-4 Acid Digest	8		mg/L			8	8	8	8
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Uranium, dissolved			Soil-4 Acid Digest	15		mg/L			15	15	15	15
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Uranium, dissolved			Soil-4 Acid Digest	18.1		mg/L			18.1	18.1	18.1	18.1
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Uranium, dissolved			Soil-4 Acid Digest	7		mg/L			7	7	7	7
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Uranium, dissolved			Soil-4 Acid Digest	5.9		mg/L			5.9	5.9	5.9	5.9
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Uranium, dissolved			Soil-4 Acid Digest	10.2		mg/L			10.2	10.2	10.2	10.2
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Vanadium, dissolved			Soil-4 Acid Digest	59		mg/L			59	59	59	59
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Vanadium, dissolved			Soil-4 Acid Digest	67		mg/L			67	67	67	67
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Vanadium, dissolved			Soil-4 Acid Digest	78		mg/L			78	78	78	78
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Vanadium, dissolved			Soil-4 Acid Digest	157		mg/L			157	157	157	157
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Vanadium, dissolved			Soil-4 Acid Digest	196		mg/L			196	196	196	196
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Vanadium, dissolved			Soil-4 Acid Digest	92		mg/L			92	92	92	92
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Vanadium, dissolved			Soil-4 Acid Digest	97		mg/L			97	97	97	97
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Vanadium, dissolved			Soil-4 Acid Digest	115		mg/L			115	115	115	115
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Vanadium, dissolved			Soil-4 Acid Digest	128		mg/L			128	128	128	128
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Vanadium, dissolved			Soil-4 Acid Digest	115		mg/L			115	115	115	115
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Vanadium, dissolved			Soil-4 Acid Digest	72		mg/L			72	72	72	72
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Vanadium, dissolved			Soil-4 Acid Digest	112		mg/L			112	112	112	112
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Vanadium, dissolved			Soil-4 Acid Digest	65		mg/L			65	65	65	65
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Vanadium, dissolved			Soil-4 Acid Digest	30		mg/L			30	30	30	30
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Vanadium, dissolved			Soil-4 Acid Digest	40		mg/L			40	40	40	40
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Vanadium, dissolved			Soil-4 Acid Digest	62		mg/L			62	62	62	62
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Vanadium, dissolved			Soil-4 Acid Digest	53		mg/L			53	53	53	53
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Vanadium, dissolved			Soil-4 Acid Digest	47		mg/L			47	47	47	47
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Vanadium, dissolved			Soil-4 Acid Digest	35		mg/L			35	35	35	35
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Vanadium, dissolved			Soil-4 Acid Digest	32		mg/L			32	32	32	32
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Vanadium, dissolved			Soil-4 Acid Digest	68		mg/L			68	68	68	68
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Vanadium, dissolved			Soil-4 Acid Digest	138		mg/L			138	138	138	138
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Vanadium, dissolved			Soil-4 Acid Digest	113		mg/L			113	113	113	113
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Vanadium, dissolved			Soil-4 Acid Digest	65		mg/L			65	65	65	65
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Vanadium, dissolved			Soil-4 Acid Digest	50		mg/L			50	50	50	50
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Tungsten, dissolved			Soil-4 Acid Digest	49.2		mg/L			49.2	49.2	49.2	49.2
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Tungsten, dissolved			Soil-4 Acid Digest	33.7		mg/L			33.7	33.7	33.7	33.7
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Tungsten, dissolved			Soil-4 Acid Digest	20.7		mg/L			20.7	20.7	20.7	20.7
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Tungsten, dissolved			Soil-4 Acid Digest	23.3		mg/L			23.3	23.3	23.3	23.3
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Tungsten, dissolved			Soil-4 Acid Digest	36.2		mg/L			36.2	36.2	36.2	36.2
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Tungsten, dissolved			Soil-4 Acid Digest	28.1		mg/L			28.1	28.1	28.1	28.1
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Tungsten, dissolved			Soil-4 Acid Digest	37.9		mg/L			37.9	37.9	37.9	37.9
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Tungsten, dissolved			Soil-4 Acid Digest	29.2		mg/L			29.2	29.2	29.2	29.2
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Tungsten, dissolved			Soil-4 Acid Digest	22.4		mg/L			22.4	22.4	22.4	22.4
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Tungsten, dissolved			Soil-4 Acid Digest	14.9		mg/L			14.9	14.9	14.9	14.9
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Tungsten, dissolved			Soil-4 Acid Digest	10.6		mg/L			10.6	10.6	10.6	10.6
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Tungsten, dissolved			Soil-4 Acid Digest	11.5		mg/L			11.5	11.5	11.5	11.5
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Tungsten, dissolved			Soil-4 Acid Digest	12.6		mg/L			12.6	12.6	12.6	12.6
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Tungsten, dissolved			Soil-4 Acid Digest	8.1		mg/L			8.1	8.1	8.1	8.1
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Tungsten, dissolved			Soil-4 Acid Digest	11.6		mg/L			11.6	11.6	11.6	11.6
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Tungsten, dissolved			Soil-4 Acid Digest	20.7		mg/L			20.7	20.7	20.7	20.7
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Tungsten, dissolved			Soil-4 Acid Digest	27.3		mg/L			27.3	27.3	27.3	27.3
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Tungsten, dissolved			Soil-4 Acid Digest	17		mg/L			17	17	17	17
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Tungsten, dissolved			Soil-4 Acid Digest	11.5		mg/L			11.5	11.5	11.5	11.5
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Tungsten, dissolved			Soil-4 Acid Digest	13.4		mg/L			13.4	13.4	13.4	13.4
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Tungsten, dissolved			Soil-4 Acid Digest	46.1		mg/L			46.1	46.1	46.1	46.1
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Tungsten, dissolved			Soil-4 Acid Digest	42.2		mg/L			42.2	42.2	42.2	42.2
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS															

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDI)	Value (NDZ)
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Yttrium, dissolved			Soil-4 Acid Digest	16.5		mg/L			16.5	16.5	16.5	16.5
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Yttrium, dissolved			Soil-4 Acid Digest	12		mg/L			12	12	12	12
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Yttrium, dissolved			Soil-4 Acid Digest	16.9		mg/L			16.9	16.9	16.9	16.9
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Yttrium, dissolved			Soil-4 Acid Digest	14.4		mg/L			14.4	14.4	14.4	14.4
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Yttrium, dissolved			Soil-4 Acid Digest	19.2		mg/L			19.2	19.2	19.2	19.2
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Yttrium, dissolved			Soil-4 Acid Digest	16.7		mg/L			16.7	16.7	16.7	16.7
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Yttrium, dissolved			Soil-4 Acid Digest	14.7		mg/L			14.7	14.7	14.7	14.7
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Yttrium, dissolved			Soil-4 Acid Digest	13.7		mg/L			13.7	13.7	13.7	13.7
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Yttrium, dissolved			Soil-4 Acid Digest	10.7		mg/L			10.7	10.7	10.7	10.7
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Yttrium, dissolved			Soil-4 Acid Digest	13.9		mg/L			13.9	13.9	13.9	13.9
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Yttrium, dissolved			Soil-4 Acid Digest	18.1		mg/L			18.1	18.1	18.1	18.1
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Yttrium, dissolved			Soil-4 Acid Digest	16.9		mg/L			16.9	16.9	16.9	16.9
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Yttrium, dissolved			Soil-4 Acid Digest	34.3		mg/L			34.3	34.3	34.3	34.3
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Yttrium, dissolved			Soil-4 Acid Digest	16.5		mg/L			16.5	16.5	16.5	16.5
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Yttrium, dissolved			Soil-4 Acid Digest	16.9		mg/L			16.9	16.9	16.9	16.9
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Yttrium, dissolved			Soil-4 Acid Digest	12.9		mg/L			12.9	12.9	12.9	12.9
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Zinc, dissolved			Soil-4 Acid Digest	64		mg/L			64	64	64	64
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Zinc, dissolved			Soil-4 Acid Digest	71		mg/L			71	71	71	71
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Zinc, dissolved			Soil-4 Acid Digest	102		mg/L			102	102	102	102
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Zinc, dissolved			Soil-4 Acid Digest	182		mg/L			182	182	182	182
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Zinc, dissolved			Soil-4 Acid Digest	246		mg/L			246	246	246	246
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Zinc, dissolved			Soil-4 Acid Digest	197		mg/L			197	197	197	197
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Zinc, dissolved			Soil-4 Acid Digest	112		mg/L			112	112	112	112
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Zinc, dissolved			Soil-4 Acid Digest	139		mg/L			139	139	139	139
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Zinc, dissolved			Soil-4 Acid Digest	72		mg/L			72	72	72	72
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Zinc, dissolved			Soil-4 Acid Digest	148		mg/L			148	148	148	148
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Zinc, dissolved			Soil-4 Acid Digest	73		mg/L			73	73	73	73
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Zinc, dissolved			Soil-4 Acid Digest	132		mg/L			132	132	132	132
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Zinc, dissolved			Soil-4 Acid Digest	168		mg/L			168	168	168	168
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Zinc, dissolved			Soil-4 Acid Digest	22		mg/L			22	22	22	22
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Zinc, dissolved			Soil-4 Acid Digest	164		mg/L			164	164	164	164
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Zinc, dissolved			Soil-4 Acid Digest	135		mg/L			135	135	135	135
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Zinc, dissolved			Soil-4 Acid Digest	123		mg/L			123	123	123	123
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Zinc, dissolved			Soil-4 Acid Digest	13		mg/L			13	13	13	13
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Zinc, dissolved			Soil-4 Acid Digest	14		mg/L			14	14	14	14
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Zinc, dissolved			Soil-4 Acid Digest	17		mg/L			17	17	17	17
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Zinc, dissolved			Soil-4 Acid Digest	81		mg/L			81	81	81	81
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1000-1800/Kinetic		4/7/2015	L24139-01	ALS	7/10/2015		Zinc, dissolved			Soil-4 Acid Digest	188		mg/L			188	188	188	188
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/1800-2600/Kinetic		5/21/2015	L24525-01	ALS	7/10/2015		Zinc, dissolved			Soil-4 Acid Digest	94		mg/L			94	94	94	94
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/2600-3400/Kinetic		6/11/2015	L24916-01	ALS	7/10/2015		Zinc, dissolved			Soil-4 Acid Digest	114		mg/L			114	114	114	114
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/3400-4200/Kinetic		5/20/2015	L24527-01	ALS	7/10/2015		Zinc, dissolved			Soil-4 Acid Digest	154		mg/L			154	154	154	154
CPC14-3	Static	4-Acid Digest	CPC14-3/440-600/Static		4/2/2015	L24021-01	ALS	7/10/2015		Zirconium, dissolved			Soil-4 Acid Digest	235		mg/L			235	235	235	235
CPC14-3	Static	4-Acid Digest	CPC14-3/600-800/Static		4/2/2015	L24021-02	ALS	7/10/2015		Zirconium, dissolved			Soil-4 Acid Digest	208		mg/L			208	208	208	208
CPC14-3	Static	4-Acid Digest	CPC14-3/800-1000/Static		4/2/2015	L24021-03	ALS	7/10/2015		Zirconium, dissolved			Soil-4 Acid Digest	184.5		mg/L			184.5	184.5	184.5	184.5
CPC14-3	Static	4-Acid Digest	CPC14-3/1000-1200/Static		4/7/2015	L24021-04	ALS	7/10/2015		Zirconium, dissolved			Soil-4 Acid Digest	61.6		mg/L			61.6	61.6	61.6	61.6
CPC14-3	Static	4-Acid Digest	CPC14-3/1200-1400/Static		4/7/2015	L24021-05	ALS	7/10/2015		Zirconium, dissolved			Soil-4 Acid Digest	54.8		mg/L			54.8	54.8	54.8	54.8
CPC14-3	Static	4-Acid Digest	CPC14-3/1400-1600/Static		4/7/2015	L24021-06	ALS	7/10/2015		Zirconium, dissolved			Soil-4 Acid Digest	154.5		mg/L			154.5	154.5	154.5	154.5
CPC14-3	Static	4-Acid Digest	CPC14-3/1600-1800/Static		4/7/2015	L24021-07	ALS	7/10/2015		Zirconium, dissolved			Soil-4 Acid Digest	123		mg/L			123	123	123	123
CPC14-3	Static	4-Acid Digest	CPC14-3/1800-2000/Static		5/21/2015	L24518-01	ALS	7/10/2015		Zirconium, dissolved			Soil-4 Acid Digest	84.6		mg/L			84.6	84.6	84.6	84.6
CPC14-3	Static	4-Acid Digest	CPC14-3/2000-2200/Static		5/21/2015	L24518-02	ALS	7/10/2015		Zirconium, dissolved			Soil-4 Acid Digest	79		mg/L			79	79	79	79
CPC14-3	Static	4-Acid Digest	CPC14-3/2200-2400/Static		5/21/2015	L24518-03	ALS	7/10/2015		Zirconium, dissolved			Soil-4 Acid Digest	73.9		mg/L			73.9	73.9	73.9	73.9
CPC14-3	Static	4-Acid Digest	CPC14-3/2400-2600/Static		5/21/2015	L24518-04	ALS	7/10/2015		Zirconium, dissolved			Soil-4 Acid Digest	92.2		mg/L			92.2	92.2	92.2	92.2
CPC14-3	Static	4-Acid Digest	CPC14-3/2600-2800/Static		6/11/2015	L24915-01	ALS	7/10/2015		Zirconium, dissolved			Soil-4 Acid Digest	89.4		mg/L			89.4	89.4	89.4	89.4
CPC14-3	Static	4-Acid Digest	CPC14-3/2800-3000/Static		6/11/2015	L24915-02	ALS	7/10/2015		Zirconium, dissolved			Soil-4 Acid Digest	68.5		mg/L			68.5	68.5	68.5	68.5
CPC14-3	Static	4-Acid Digest	CPC14-3/3000-3200/Static		6/11/2015	L24915-03	ALS	7/10/2015		Zirconium, dissolved			Soil-4 Acid Digest	11.7		mg/L			11.7	11.7	11.7	11.7
CPC14-3	Static	4-Acid Digest	CPC14-3/3200-3400/Static		6/11/2015	L24915-04	ALS	7/10/2015		Zirconium, dissolved			Soil-4 Acid Digest	58.1		mg/L			58.1	58.1	58.1	58.1
CPC14-3	Static	4-Acid Digest	CPC14-3/3400-3600/Static		5/20/2015	L24526-01	ALS	7/10/2015		Zirconium, dissolved			Soil-4 Acid Digest	80.6		mg/L			80.6	80.6	80.6	80.6
CPC14-3	Static	4-Acid Digest	CPC14-3/3600-3800/Static		5/20/2015	L24526-02	ALS	7/10/2015		Zirconium, dissolved			Soil-4 Acid Digest	130		mg/L			130	130	130	130
CPC14-3	Static	4-Acid Digest	CPC14-3/3800-4000/Static		5/20/2015	L24526-03	ALS	7/10/2015		Zirconium, dissolved			Soil-4 Acid Digest	107.5		mg/L			107.5	107.5	107.5	107.5
CPC14-3	Static	4-Acid Digest	CPC14-3/4000-4200/Static		5/20/2015	L24526-04	ALS	7/10/2015		Zirconium, dissolved			Soil-4 Acid Digest	97.2		mg/L			97.2	97.2	97.2	97.2
CPC14-3	Static	4-Acid Digest	CPC14-3/4200-4400/Static		6/11/2015	L24915-05	ALS	7/10/2015		Zirconium, dissolved			Soil-4 Acid Digest	19.1		mg/L			19.1	19.1	19.1	19.1
CPC14-3	Kinetic	4-Acid Digest	CPC14-3/440-1000/Kinetic		5/2/2015	L24140-01	ALS	7/10/2015		Zirconium, dissolved			Soil-4 Acid Digest	196		mg/L			196	196	196	

Hole ID	Composite Type	Analysis Type	Sample ID	Sample Number	Sample Date	Lab ID	Lab Name	Date Analyzed	Time Analyzed	Parameter	Cas Number	EPA Method	Matrix	Result	Qual	Units	MDL	PQL	Reported Result	Value	Value (NDD)	Value (NDZ)
CPC14-3		Isotope	WATER TRUCK	CPC14-3 WATER TRUCK	2/14/2015	29983	IT2			$\delta^2\text{H H}_2\text{O}$			Groundwater	-88.8					-88.8	-88.8	-88.8	-88.8
CPC14-3		Isotope	WATER TRUCK	CPC14-3 WATER TRUCK	2/14/2015	29983	IT2			$\delta^{18}\text{O SO}_4$			Groundwater	3.8					3.8	3.8	3.8	3.8
CPC14-3		Isotope	WATER TRUCK	CPC14-3 WATER TRUCK	2/14/2015	29983	IT2			$\delta^{34}\text{S SO}_4$			Groundwater	6.7					6.7	6.7	6.7	6.7
CPC14-3		Isotope	WATER TRUCK	CPC14-3 WATER TRUCK	2/14/2015	29983	IT2			$\delta^{13}\text{C DIC}$			Groundwater	10.38417					10.38417	10.38417	10.38417	10.38417
CPC14-3		Isotope	PRODUCED WATER	PRODUCED WATER CPC14	2/14/2015	29984	IT2			$\delta^{18}\text{O H}_2\text{O}$			Groundwater	-11.38					-11.38	-11.38	-11.38	-11.38
CPC14-3		Isotope	PRODUCED WATER	PRODUCED WATER CPC14	2/14/2015	29984	IT2			$\delta^2\text{H H}_2\text{O}$			Groundwater	-85.3					-85.3	-85.3	-85.3	-85.3
CPC14-3		Isotope	PRODUCED WATER	PRODUCED WATER CPC14	2/14/2015	29984	IT2			$\delta^{18}\text{O SO}_4$			Groundwater	7.7					7.7	7.7	7.7	7.7
CPC14-3		Isotope	PRODUCED WATER	PRODUCED WATER CPC14	2/14/2015	29984	IT2			$\delta^{34}\text{S SO}_4$			Groundwater	8.9					8.9	8.9	8.9	8.9
CPC14-3		Isotope	PRODUCED WATER	PRODUCED WATER CPC14	2/14/2015	29984	IT2			$\delta^{13}\text{C DIC}$			Groundwater	-11.9718					-11.9718	-11.9718	-11.9718	-11.9718
CPC14-3		Isotope	PRODUCED WATER	PRODUCED WATER CPC14	2/14/2015	29985	IT2			$\delta^{18}\text{O H}_2\text{O}$			Groundwater	-11.39					-11.39	-11.39	-11.39	-11.39
CPC14-3		Isotope	PRODUCED WATER	PRODUCED WATER CPC14	2/14/2015	29985	IT2			$\delta^2\text{H H}_2\text{O}$			Groundwater	-85.2					-85.2	-85.2	-85.2	-85.2
CPC14-3		Isotope	PRODUCED WATER	PRODUCED WATER CPC14	2/14/2015	29985	IT2			$\delta^{18}\text{O SO}_4$			Groundwater	6.3					6.3	6.3	6.3	6.3
CPC14-3		Isotope	PRODUCED WATER	PRODUCED WATER CPC14	2/14/2015	29985	IT2			$\delta^{34}\text{S SO}_4$			Groundwater	8.6					8.6	8.6	8.6	8.6
CPC14-3		Isotope	PRODUCED WATER	PRODUCED WATER CPC14	2/14/2015	29985	IT2			$\delta^{13}\text{C DIC}$			Groundwater	-14.30114					-14.30114	-14.30114	-14.30114	-14.30114

APPENDIX 4

CPC14-3 - WATER CHEMISTRY

Appendix 4.1, CPC14-3 Water Chemistry Summary

Sample ID		Water Truck	1st Produced Water	Produced Water	Produced Water
Date	Units	14-Feb-15	13-Feb-15	14-Feb-15	14-Feb-15
Time		00:15	23:15	00:45	02:00
pH	s.u.	8.17	7.32	8.26	8.08
Temperature	°C	1.2	7.8	13.2	14.1
Conductivity	µS/cm	42	59.8	133.7	131
ORP	mV	61	163	86	92
pH	s.u.	7.4	7.6	7.6	7.5
Temperature	°C	21.7	21.2	21.7	21.6
Residue, Filterable (TDS) @180C	mg/L	50	152	90*	90*
Bicarbonate	mg/L as CaCO3	21.2	94.8	53.4	58.7
Carbonate	mg/L as CaCO3	<2	<2	<2	<2
Hydroxide	mg/L as CaCO3	<2	<2	<2	<2
Total Alkalinity	mg/L	21.2	94.8	53.4	58.7
Aluminum, dissolved	mg/L	0.07*	0.04*	0.03*	0.04*
Barium, dissolved	mg/L	0.026	0.933	0.991	0.953
Boron, dissolved	mg/L	<0.01	0.01*	<0.01	0.01*
Calcium, dissolved	mg/L	7.3	26.7	23.8	21.7
Chromium, dissolved	mg/L	<0.01	0.02*	<0.01	<0.01
Cobalt, dissolved	mg/L	<0.01	<0.01	<0.01	0.01*
Copper, dissolved	mg/L	<0.01	<0.01	<0.01	<0.01
Gallium, dissolved	mg/L	<0.1	<0.1	<0.1	<0.1
Iron, dissolved	mg/L	0.04*	3.66	2.71	0.99
Lithium, dissolved	mg/L	<0.008	0.036*	0.016*	0.017*
Magnesium, dissolved	mg/L	1.2	4.1	2.4	2.4
Manganese, dissolved	mg/L	0.031	0.18	0.147	0.233
Molybdenum, dissolved	mg/L	<0.02	0.05*	<0.02	<0.02
Nickel, dissolved	mg/L	<0.008	<0.008	<0.008	<0.008
Potassium, dissolved	mg/L	1.3	3.3	1.8	1.9
Scandium, dissolved	mg/L	<0.1	<0.1	<0.1	<0.1
Silver, dissolved	mg/L	<0.01	<0.01	<0.01	<0.01
Sodium, dissolved	mg/L	3.8	9.7	5.3	5.8
Strontium, dissolved	mg/L	0.037	0.382	0.491	0.304
Titanium, dissolved	mg/L	<0.005	<0.005	<0.005	<0.005
Vanadium, dissolved	mg/L	<0.005	<0.005	<0.005	<0.005
Zinc, dissolved	mg/L	<0.01	0.03*	0.01*	0.11
Chloride	mg/L	2.04*	3.36	2.34*	1.89*
Fluoride	mg/L	2.41	1.12	1	0.82
Sulfate	mg/L	4.04	5.55	18.3	8.88
Bismuth, dissolved	mg/L	<0.04	<0.04	<0.04	<0.04
Tin, dissolved	mg/L	<0.0002	<0.04	<0.04	<0.04
Mercury, dissolved	mg/L	<0.04	<0.0002	<0.0002	<0.0002
Antimony, dissolved	mg/L	<0.0004	0.001*	<0.0004	<0.0004
Arsenic, dissolved	mg/L	<0.0002	<0.0002	<0.0002	<0.0002
Beryllium, dissolved	mg/L	0.00047	<0.00005	<0.00005	0.00006*
Cadmium, dissolved	mg/L	<0.0001	<0.0001	<0.0001	<0.0001
Lead, dissolved	mg/L	0.0011	0.0003*	0.0002*	<0.0001
Thallium, dissolved	mg/L	<0.0001	<0.0001	<0.0001	<0.0001
Selenium, dissolved	mg/L	<0.0001	<0.0001	<0.0001	<0.0001
TDS (calculated)	mg/L	35.2	116	90.9	80.9
TDS (ratio - meas/calcd)		1.42	1.31	0.99	1.11
Ion Balance	%	-1.2%	4.3%	5.9%	6.3%

* Indicates analytical determination was above the method detection limit, but below the practical quantitative limit (EPA "minimum level"). Reported value is estimated

APPENDIX 5

CPC14-3 - HYDROLOGY TESTING

APPENDIX 5.1

CPC14-3 FHT #1 - 3587'-3857' DEPTH

C:\Drobox\ABO\AB PROJECTS\1385_CCBV\UG15_Projects\1 Phase I_CPC14-3\6_Report10_Workbook\CP14-03_25-Final_kiv\AE1_FHT-1

FALLING HEAD TEST SIMULATION ANALYSIS

TEST

The falling head test comprises the following elements:

1. Water is introduced into the well riser, creating excess head in the well relative to the test formation.
2. The excess head causes flow from the wellbore to the formation, resulting in reduction of the water level in the
3. As the water drains out, the water level in the well follows an exponential decay over time towards the static level.

ANALYSIS

The rate that water drains out of the well is controlled by well geometry, and hydraulic conductivity of the formation material. Consider the conditions at a time t:

E_t = water elevation in the well at time t
 E_{stat} = static water level in well

Head (H) driving flow from the wellbore into the formation is:
 $H = E_t - E_{stat}$ (1)

Radial flow from the well to the formation is (Theim 1870):
 $Q = 2 \pi L K H / \ln(R/r')$ (2)

where:
 Q = volumetric flow rate
 L = test interval formation length
 K = hydraulic conductivity of interval
 H = excess head in well relative to formation
 R = radius of influence of test
 r^* = radius of well bore

Using well completion length L for the radius of influence and applying a form factor for anisotropy (Brown, 2014) gives:

$Q = 2 \alpha \pi L K H / \ln(L/r')$ (3)

where:
 α = form factor = 1.12 for $K_h/K_v = 0.1$
 α = form factor = 0.87 for $K_h/K_v = 1$
 α = form factor = 0.61 for $K_h/K_v = 10$

Flow created by change of water level in the well over time is:
 $Q = - \pi r^2 dH/dt$ (4)

where:
 r = radius of standpipe at the water surface

Equating Q in equation and equation produces:
 $2 \alpha \pi L K H / \ln(L/r') = - \pi r^2 dH$ (5)

Rearranging equation produces:
 $dH = - 2 \alpha L K / [r^2 \ln(L/r^*)] H dt$ (6)

Integrating over time and noting that $H = H_o$ at $t = 0$ gives:
 $H = H_o e^{-\beta t}$ (7)

where:
 $\beta = 2 \alpha L K / [r^2 \ln(L/r^*)]$ (8)

Hydraulic conductivity is determined from equation (8):
 $K = \beta r^2 \ln(L/r^*) / (2 \alpha L)$ (9)

ANALYSIS METHOD

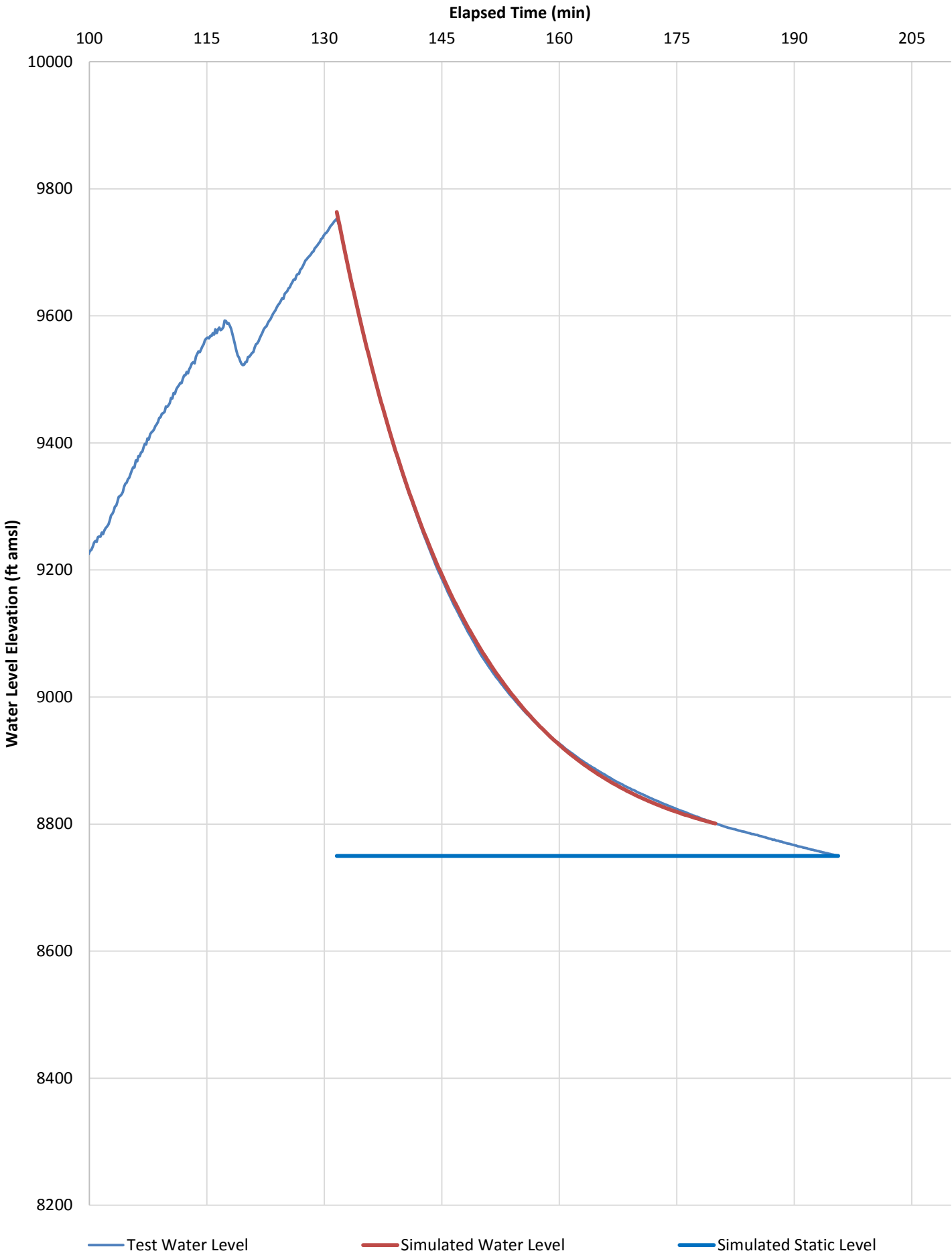
The method of analysis comprises the following:

1. Fit the exponential curve to the falling head test varying:
 E_o = starting water level elevation
 E_{stat} = static water level elevation
 β = exponent
2. Compute formation hydraulic conductivity from eq. (9):
 $K = \beta r^2 \ln(L/r^*) / (2 \alpha L)$

REFERENCES:

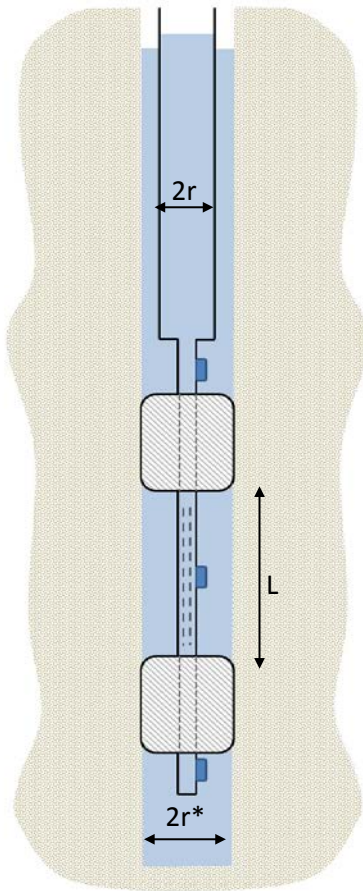
Thiem, A., 1870. *The yield of artesian wells, dug wells and filter galleries*. J. Gas Lighting Water Supply (Munich), vol.14
Brown A, 2014. *Reliable Packer Testing and Analysis*. 12th International Mine Water Association Congress, Xuzhou,

FALLING HEAD TEST RESULTS AND BEST-FIT SIMULATION



ANALYSIS OF HYDRAULIC CONDUCTIVITY

TEST INTERVAL GEOMETRY



Stem Radius (r)
ID of HQ (in) 3.06
 $r =$ (in) 1.53
Inclination (°) -63.28
 r (in) (sloping) 1.71

Well Radius (r*)
OD of NQ^[1] (in) 2.965
 $r^* =$ (in) 1.48

Test Interval (L)
Top depth (ft) 3587
Bottom dep (ft) 3857
 L (ft) 270

Note [1]:
The hole changed from HQ to NQ just below the packer, so the stem is HQ ID, and the test section is almost entirely NQ bit OD.

BEST FIT TO FALLING HEAD TEST DATA

Parameter	Unit	Simulation 1	Simulation 2
E(start)	ft	9764	9748
E(static)	ft	8750	8750
β (exponent)	/min	0.0619	0.0609
t(start)	min	131.60	131.60
t(end)	min	180.00	165.00
Sum of Error	ft	0.00	0.00
RMS of Error	ft	4.55	6.71

COMPUTATION OF HYDRAULIC CONDUCTIVITY

$K = \beta r^2 \ln(L/r^*) / (2 \alpha L)$

Parameter	Unit	Simulation 1	Simulation 2
β (exponent)	/min	0.0619	0.0609
r (stem radius)	ft	0.143	0.143
L (test interval)	ft	270	270
r^* (well radius)	ft	0.124	0.124
α (form factor)	--	0.87	0.87
K (hyd.cond.)	ft/min	2.1E-05	2.0E-05
	cm/sec	1.0E-05	1.0E-05

	Scale:	As shown
	Drawn:	A.Brown
	Date:	2015-12-09
CPC14-3 - Deep Carbonate Borehole Report		
APPENDIX 5.1		
CPC14-3 FHT #1 - 3587'-3857' DEPTH		

Appendix 5.1, CPC14-3 Falling Head Test 3587 to 3857 ft MD bgs, 13 February 2015

Date/Time	Time (min)	Battery (V)	Temp (°C)	Reading (ft)	Sensor Tmp (°C)	Recovery (min)	DTW (vert, ft)
2/13/15 11:41	0.00	2.29	16.53	321.25	18.00	0.00	1840.01
2/13/15 11:41	0.10	2.30	16.53	320.94	18.00	0.00	1840.33
2/13/15 11:41	0.27	2.29	16.63	321.05	18.10	0.00	1840.21
2/13/15 11:41	0.43	2.29	16.79	320.98	18.00	0.00	1840.29
2/13/15 11:41	0.60	2.32	16.69	320.96	18.00	0.00	1840.30
2/13/15 11:42	0.77	2.32	16.58	320.96	18.00	0.00	1840.30
2/13/15 11:42	0.93	2.32	16.42	321.00	18.00	0.00	1840.26
2/13/15 11:42	1.10	2.32	16.40	320.89	18.00	0.00	1840.37
2/13/15 11:42	1.27	2.31	16.40	321.05	18.00	0.00	1840.21
2/13/15 11:42	1.43	2.33	16.35	320.85	18.00	0.00	1840.41
2/13/15 11:42	1.60	2.32	16.24	320.91	18.00	0.00	1840.35
2/13/15 11:43	1.77	2.32	16.22	320.96	18.00	0.00	1840.30
2/13/15 11:43	1.93	2.33	16.17	320.77	18.00	0.00	1840.49
2/13/15 11:43	2.10	2.32	16.17	320.85	18.00	0.00	1840.41
2/13/15 11:43	2.27	2.32	16.14	320.76	18.00	0.00	1840.50
2/13/15 11:43	2.43	2.33	16.09	320.71	18.00	0.00	1840.56
2/13/15 11:43	2.60	2.32	16.04	320.78	18.00	0.00	1840.48
2/13/15 11:44	2.77	2.32	16.01	320.72	18.00	0.00	1840.54
2/13/15 11:44	2.93	2.32	15.96	320.69	18.00	0.00	1840.57
2/13/15 11:44	3.10	2.32	15.93	320.63	18.00	0.00	1840.63
2/13/15 11:44	3.27	2.33	15.88	320.65	18.00	0.00	1840.61
2/13/15 11:44	3.43	2.32	15.83	320.61	18.00	0.00	1840.65
2/13/15 11:44	3.60	2.33	15.80	320.57	18.00	0.00	1840.69
2/13/15 11:45	3.77	2.32	15.78	320.41	18.00	0.00	1840.85
2/13/15 11:45	3.93	2.32	15.75	320.42	18.00	0.00	1840.84
2/13/15 11:45	4.10	2.33	15.62	320.50	18.00	0.00	1840.77
2/13/15 11:45	4.27	2.32	15.65	320.37	18.00	0.00	1840.89
2/13/15 11:45	4.43	2.32	15.65	320.36	18.00	0.00	1840.90
2/13/15 11:45	4.60	2.33	15.57	320.27	18.00	0.00	1840.99
2/13/15 11:46	4.77	2.33	15.60	320.45	18.00	0.00	1840.82
2/13/15 11:46	4.93	2.33	15.52	320.51	18.00	0.00	1840.75
2/13/15 11:46	5.10	2.33	15.49	320.30	18.00	0.00	1840.96
2/13/15 11:46	5.27	2.32	15.41	320.30	18.00	0.00	1840.97
2/13/15 11:46	5.43	2.30	15.36	320.16	18.00	0.00	1841.10
2/13/15 11:46	5.60	2.33	15.52	320.21	18.00	0.00	1841.05
2/13/15 11:47	5.77	2.32	15.41	320.18	18.00	0.00	1841.08
2/13/15 11:47	5.93	2.32	15.41	320.02	18.00	0.00	1841.24
2/13/15 11:47	6.10	2.32	15.29	320.08	18.00	0.00	1841.18
2/13/15 11:47	6.27	2.33	15.29	320.02	18.00	0.00	1841.24
2/13/15 11:47	6.43	2.32	15.21	320.10	18.00	0.00	1841.16
2/13/15 11:47	6.60	2.31	15.18	319.94	18.00	0.00	1841.32
2/13/15 11:48	6.77	2.32	15.13	319.87	18.00	0.00	1841.39
2/13/15 11:48	6.93	2.33	15.13	319.82	18.00	0.00	1841.44
2/13/15 11:48	7.10	2.33	15.08	319.88	18.00	0.00	1841.38
2/13/15 11:48	7.27	2.33	15.00	319.79	18.00	0.00	1841.47
2/13/15 11:48	7.43	2.32	14.87	319.83	18.00	0.00	1841.44
2/13/15 11:48	7.60	2.32	14.90	319.78	18.00	0.00	1841.48
2/13/15 11:49	7.77	2.31	14.80	319.90	18.00	0.00	1841.36
2/13/15 11:49	7.93	2.32	14.75	319.83	18.00	0.00	1841.44
2/13/15 11:49	8.10	2.32	14.75	319.70	18.00	0.00	1841.56
2/13/15 11:49	8.27	2.31	14.69	319.81	18.00	0.00	1841.46
2/13/15 11:49	8.43	2.32	14.64	319.73	18.00	0.00	1841.53
2/13/15 11:49	8.60	2.32	14.64	319.69	18.00	0.00	1841.57
2/13/15 11:50	8.77	2.32	14.64	319.88	18.00	0.00	1841.39
2/13/15 11:50	8.93	2.32	14.59	319.79	18.00	0.00	1841.47
2/13/15 11:50	9.10	2.32	14.54	319.87	18.00	0.00	1841.40
2/13/15 11:50	9.27	2.31	14.54	319.79	18.00	0.00	1841.47
2/13/15 11:50	9.43	2.32	14.52	319.69	18.00	0.00	1841.57
2/13/15 11:50	9.60	2.32	14.46	319.81	18.00	0.00	1841.45
2/13/15 11:51	9.77	2.32	14.44	319.77	18.00	0.00	1841.50
2/13/15 11:51	9.93	2.32	14.39	319.61	18.00	0.00	1841.65
2/13/15 11:51	10.10	2.32	14.31	319.56	18.00	0.00	1841.70
2/13/15 11:51	10.27	2.32	14.34	319.53	18.00	0.00	1841.73
2/13/15 11:51	10.43	2.31	14.28	319.33	18.00	0.00	1841.93
2/13/15 11:51	10.60	2.31	14.28	319.57	18.00	0.00	1841.69
2/13/15 11:52	10.77	2.32	14.23	319.27	18.00	0.00	1841.99
2/13/15 11:52	10.93	2.32	14.23	319.62	18.00	0.00	1841.64
2/13/15 11:52	11.10	2.33	14.23	319.69	18.00	0.00	1841.57
2/13/15 11:52	11.27	2.33	14.21	319.41	18.00	0.00	1841.86
2/13/15 11:52	11.43	2.32	14.13	319.50	18.00	0.00	1841.76
2/13/15 11:52	11.60	2.32	14.13	319.29	18.00	0.00	1841.98
2/13/15 11:53	11.77	2.32	14.08	319.78	18.00	0.00	1841.48

Appendix 5.1, CPC14-3 Falling Head Test 3587 to 3857 ft MD bgs, 13 February 2015

Date/Time	Time (min)	Battery (V)	Temp (°C)	Reading (ft)	Sensor Tmp (°C)	Recovery (min)	DTW (vert, ft)
2/13/15 11:53	11.93	2.32	14.03	319.05	18.00	0.00	1842.21
2/13/15 11:53	12.10	2.31	14.03	319.29	18.00	0.00	1841.98
2/13/15 11:53	12.27	2.31	13.98	319.08	18.00	0.00	1842.19
2/13/15 11:53	12.43	2.32	14.00	319.23	18.00	0.00	1842.03
2/13/15 11:53	12.60	2.31	13.95	318.98	18.00	0.00	1842.28
2/13/15 11:54	12.77	2.31	13.95	318.98	18.00	0.00	1842.28
2/13/15 11:54	12.93	2.31	13.90	319.00	18.00	0.00	1842.26
2/13/15 11:54	13.10	2.32	13.88	318.89	18.00	0.00	1842.37
2/13/15 11:54	13.27	2.31	13.85	318.87	18.00	0.00	1842.40
2/13/15 11:54	13.43	2.33	13.88	318.99	18.00	0.00	1842.27
2/13/15 11:54	13.60	2.31	13.83	318.93	18.00	0.00	1842.33
2/13/15 11:55	13.77	2.31	13.83	318.90	18.00	0.00	1842.36
2/13/15 11:55	13.93	2.32	13.77	318.85	18.00	0.00	1842.41
2/13/15 11:55	14.10	2.32	13.77	318.80	18.00	0.00	1842.46
2/13/15 11:55	14.27	2.33	13.77	318.94	18.00	0.00	1842.32
2/13/15 11:55	14.43	2.32	13.77	318.86	18.00	0.00	1842.40
2/13/15 11:55	14.60	2.31	13.75	318.77	18.00	0.00	1842.50
2/13/15 11:56	14.77	2.31	13.72	318.97	18.00	0.00	1842.30
2/13/15 11:56	14.93	2.31	13.65	318.85	18.00	0.00	1842.41
2/13/15 11:56	15.10	2.31	13.67	318.78	18.00	0.00	1842.48
2/13/15 11:56	15.27	2.32	13.62	318.85	18.00	0.00	1842.41
2/13/15 11:56	15.43	2.31	13.65	318.68	18.00	0.00	1842.58
2/13/15 11:56	15.60	2.31	13.57	318.52	18.00	0.00	1842.74
2/13/15 11:57	15.77	2.32	13.57	318.67	18.00	0.00	1842.59
2/13/15 11:57	15.93	2.31	13.57	318.80	18.00	0.00	1842.46
2/13/15 11:57	16.10	2.31	13.54	318.82	18.00	0.00	1842.45
2/13/15 11:57	16.27	2.31	13.57	318.55	18.00	0.00	1842.71
2/13/15 11:57	16.43	2.32	13.54	318.53	18.00	0.00	1842.73
2/13/15 11:57	16.60	2.31	13.49	318.50	18.00	0.00	1842.76
2/13/15 11:58	16.77	2.33	13.47	318.27	18.00	0.00	1842.99
2/13/15 11:58	16.93	2.32	13.44	318.50	18.00	0.00	1842.76
2/13/15 11:58	17.10	2.30	13.42	318.52	18.00	0.00	1842.74
2/13/15 11:58	17.27	2.31	13.42	318.56	18.00	0.00	1842.71
2/13/15 11:58	17.43	2.31	13.37	318.45	18.00	0.00	1842.81
2/13/15 11:58	17.60	2.32	13.39	318.52	18.00	0.00	1842.74
2/13/15 11:59	17.77	2.31	13.34	318.17	18.00	0.00	1843.09
2/13/15 11:59	17.93	2.31	13.34	318.32	18.00	0.00	1842.94
2/13/15 11:59	18.10	2.31	13.37	318.25	18.00	0.00	1843.01
2/13/15 11:59	18.27	2.31	13.32	318.33	18.00	0.00	1842.93
2/13/15 11:59	18.43	2.31	13.29	318.22	18.00	0.00	1843.04
2/13/15 11:59	18.60	2.31	13.32	318.16	18.00	0.00	1843.10
2/13/15 12:00	18.77	2.32	13.29	318.16	18.00	0.00	1843.10
2/13/15 12:00	18.93	2.32	13.27	318.16	18.00	0.00	1843.10
2/13/15 12:00	19.10	2.32	13.27	318.04	18.00	0.00	1843.23
2/13/15 12:00	19.27	2.30	13.24	318.10	18.00	0.00	1843.16
2/13/15 12:00	19.43	2.31	13.24	318.14	18.00	0.00	1843.12
2/13/15 12:00	19.60	2.31	13.16	318.04	18.00	0.00	1843.22
2/13/15 12:01	19.77	2.31	13.19	317.88	18.00	0.00	1843.38
2/13/15 12:01	19.93	2.32	13.14	317.82	18.00	0.00	1843.44
2/13/15 12:01	20.10	2.31	13.16	317.74	18.00	0.00	1843.52
2/13/15 12:01	20.27	2.30	13.09	317.54	18.00	0.00	1843.72
2/13/15 12:01	20.43	2.31	13.16	317.78	18.00	0.00	1843.48
2/13/15 12:01	20.60	2.31	13.14	317.74	18.00	0.00	1843.52
2/13/15 12:02	20.77	2.33	13.09	317.73	18.00	0.00	1843.53
2/13/15 12:02	20.93	2.30	13.09	317.69	18.00	0.00	1843.57
2/13/15 12:02	21.10	2.31	13.06	317.79	18.00	0.00	1843.47
2/13/15 12:02	21.27	2.32	13.09	317.88	18.00	0.00	1843.39
2/13/15 12:02	21.43	2.31	13.06	317.84	18.00	0.00	1843.42
2/13/15 12:02	21.60	2.31	13.06	317.65	18.00	0.00	1843.61
2/13/15 12:03	21.77	2.30	13.01	317.74	18.00	0.00	1843.52
2/13/15 12:03	21.93	2.31	13.01	317.65	18.00	0.00	1843.61
2/13/15 12:03	22.10	2.31	13.01	317.47	18.00	0.00	1843.79
2/13/15 12:03	22.27	2.31	13.01	317.55	18.00	0.00	1843.71
2/13/15 12:03	22.43	2.31	12.96	317.49	18.00	0.00	1843.77
2/13/15 12:03	22.60	2.31	13.01	317.73	18.00	0.00	1843.53
2/13/15 12:04	22.77	2.30	12.99	317.41	18.00	0.00	1843.86
2/13/15 12:04	22.93	2.31	12.96	317.76	18.00	0.00	1843.50
2/13/15 12:04	23.10	2.30	12.96	317.76	18.00	0.00	1843.50
2/13/15 12:04	23.27	2.31	12.96	317.53	18.00	0.00	1843.73
2/13/15 12:04	23.43	2.32	12.94	317.85	18.00	0.00	1843.41
2/13/15 12:04	23.60	2.32	12.96	317.65	18.00	0.00	1843.61
2/13/15 12:05	23.77	2.31	12.94	317.55	18.00	0.00	1843.71

Appendix 5.1, CPC14-3 Falling Head Test 3587 to 3857 ft MD bgs, 13 February 2015

Date/Time	Time (min)	Battery (V)	Temp (°C)	Reading (ft)	Sensor Tmp (°C)	Recovery (min)	DTW (vert. ft)
2/13/15 12:05	23.93	2.30	12.96	317.63	18.00	0.00	1843.63
2/13/15 12:05	24.10	2.30	12.91	317.68	18.00	0.00	1843.59
2/13/15 12:05	24.27	2.30	12.88	317.70	18.00	0.00	1843.56
2/13/15 12:05	24.43	2.31	12.91	317.47	18.00	0.00	1843.79
2/13/15 12:05	24.60	2.31	12.88	317.32	18.00	0.00	1843.95
2/13/15 12:06	24.77	2.30	12.91	317.57	18.00	0.00	1843.69
2/13/15 12:06	24.93	2.30	12.91	317.27	18.00	0.00	1843.99
2/13/15 12:06	25.10	2.31	12.88	317.35	18.00	0.00	1843.92
2/13/15 12:06	25.27	2.31	12.91	317.46	18.00	0.00	1843.81
2/13/15 12:06	25.43	2.31	12.86	317.31	18.00	0.00	1843.96
2/13/15 12:06	25.60	2.31	12.88	317.10	18.10	0.00	1844.16
2/13/15 12:07	25.77	2.31	12.88	317.06	18.10	0.00	1844.20
2/13/15 12:07	25.93	2.30	12.88	317.00	18.00	0.00	1844.27
2/13/15 12:07	26.10	2.30	12.91	317.00	18.00	0.00	1844.26
2/13/15 12:07	26.27	2.30	12.88	316.98	18.10	0.00	1844.28
2/13/15 12:07	26.43	2.31	12.88	316.86	18.10	0.00	1844.40
2/13/15 12:07	26.60	2.31	12.91	316.91	18.10	0.00	1844.35
2/13/15 12:08	26.77	2.30	12.88	316.79	18.00	0.00	1844.47
2/13/15 12:08	26.93	2.31	12.94	316.71	18.10	0.00	1844.55
2/13/15 12:08	27.10	2.29	12.86	316.84	18.10	0.00	1844.42
2/13/15 12:08	27.27	2.29	12.91	316.58	18.10	0.00	1844.68
2/13/15 12:08	27.43	2.31	12.91	316.91	18.10	0.00	1844.35
2/13/15 12:08	27.60	2.31	12.94	316.67	18.00	0.00	1844.59
2/13/15 12:09	27.77	2.30	12.91	316.79	18.10	0.00	1844.47
2/13/15 12:09	27.93	2.31	12.91	316.86	18.00	0.00	1844.40
2/13/15 12:09	28.10	2.31	12.94	316.63	18.00	0.00	1844.63
2/13/15 12:09	28.27	2.30	12.96	316.73	18.00	0.00	1844.54
2/13/15 12:09	28.43	2.31	12.96	316.80	18.00	0.00	1844.46
2/13/15 12:09	28.60	2.30	12.96	316.65	18.00	0.00	1844.61
2/13/15 12:10	28.77	2.30	12.96	316.73	18.00	0.00	1844.54
2/13/15 12:10	28.93	2.31	12.96	316.69	18.00	0.00	1844.57
2/13/15 12:10	29.10	2.31	12.99	316.64	18.00	0.00	1844.63
2/13/15 12:10	29.27	2.30	12.96	316.70	18.00	0.00	1844.56
2/13/15 12:10	29.43	2.29	12.96	316.69	18.00	0.00	1844.57
2/13/15 12:10	29.60	2.31	12.99	316.69	18.00	0.00	1844.57
2/13/15 12:11	29.77	2.31	12.99	316.66	18.00	0.00	1844.60
2/13/15 12:11	29.93	2.31	12.99	316.85	18.00	0.00	1844.41
2/13/15 12:11	30.10	2.31	13.01	316.75	18.00	0.00	1844.51
2/13/15 12:11	30.27	2.30	13.01	316.71	18.00	0.00	1844.55
2/13/15 12:11	30.43	2.30	13.01	316.73	18.00	0.00	1844.53
2/13/15 12:11	30.60	2.31	12.96	316.61	18.00	0.00	1844.65
2/13/15 12:12	30.77	2.31	13.01	316.86	18.00	0.00	1844.40
2/13/15 12:12	30.93	2.29	13.01	316.89	18.00	0.00	1844.37
2/13/15 12:12	31.10	2.31	13.04	317.38	18.00	0.00	1843.88
2/13/15 12:12	31.27	2.31	13.04	317.57	18.00	0.00	1843.69
2/13/15 12:12	31.43	2.30	13.04	317.68	18.00	0.00	1843.58
2/13/15 12:12	31.60	2.30	13.06	317.81	18.00	0.00	1843.45
2/13/15 12:13	31.77	2.30	13.06	318.28	18.00	0.00	1842.98
2/13/15 12:13	31.93	2.31	13.06	318.51	18.00	0.00	1842.76
2/13/15 12:13	32.10	2.30	13.09	318.71	18.00	0.00	1842.55
2/13/15 12:13	32.27	2.29	13.04	319.00	18.00	0.00	1842.26
2/13/15 12:13	32.43	2.31	13.06	319.32	18.00	0.00	1841.94
2/13/15 12:13	32.60	2.30	13.11	323.86	18.00	0.00	1837.40
2/13/15 12:14	32.77	2.30	13.11	329.74	18.00	0.00	1831.52
2/13/15 12:14	32.93	2.31	13.14	330.33	18.00	0.00	1830.93
2/13/15 12:14	33.10	2.29	13.16	337.90	18.00	0.00	1823.36
2/13/15 12:14	33.27	2.31	13.19	341.08	18.00	0.00	1820.19
2/13/15 12:14	33.43	2.29	13.21	343.49	18.00	0.00	1817.78
2/13/15 12:14	33.60	2.30	13.21	347.19	18.00	0.00	1814.07
2/13/15 12:15	33.77	2.31	13.24	353.83	18.10	0.00	1807.44
2/13/15 12:15	33.93	2.31	13.21	354.76	18.00	0.00	1806.50
2/13/15 12:15	34.10	2.31	13.29	356.57	18.10	0.00	1804.69
2/13/15 12:15	34.27	2.30	13.29	362.57	18.10	0.00	1798.69
2/13/15 12:15	34.43	2.31	13.32	363.16	18.10	0.00	1798.10
2/13/15 12:15	34.60	2.30	13.34	368.77	18.10	0.00	1792.49
2/13/15 12:16	34.77	2.31	13.37	371.87	18.10	0.00	1789.40
2/13/15 12:16	34.93	2.30	13.39	370.47	18.00	0.00	1790.79
2/13/15 12:16	35.10	2.31	13.37	375.32	18.00	0.00	1785.94
2/13/15 12:16	35.27	2.31	13.39	379.71	18.00	0.00	1781.55
2/13/15 12:16	35.43	2.30	13.44	381.70	18.00	0.00	1779.57
2/13/15 12:16	35.60	2.31	13.42	380.75	18.00	0.00	1780.51
2/13/15 12:17	35.77	2.31	13.47	383.51	18.00	0.00	1777.76

Appendix 5.1, CPC14-3 Falling Head Test 3587 to 3857 ft MD bgs, 13 February 2015

Date/Time	Time (min)	Battery (V)	Temp (°C)	Reading (ft)	Sensor Tmp (°C)	Recovery (min)	DTW (vert. ft)
2/13/15 12:17	35.93	2.31	13.47	384.33	18.00	0.00	1776.93
2/13/15 12:17	36.10	2.31	13.44	384.88	18.00	0.00	1776.39
2/13/15 12:17	36.27	2.31	13.49	384.75	18.00	0.00	1776.51
2/13/15 12:17	36.43	2.31	13.44	384.08	18.00	0.00	1777.18
2/13/15 12:17	36.60	2.31	13.52	383.39	18.00	0.00	1777.87
2/13/15 12:18	36.77	2.30	13.54	383.02	18.00	0.00	1778.24
2/13/15 12:18	36.93	2.31	13.57	381.78	18.00	0.00	1779.48
2/13/15 12:18	37.10	2.30	13.57	380.76	18.00	0.00	1780.50
2/13/15 12:18	37.27	2.30	13.60	380.15	18.00	0.00	1781.11
2/13/15 12:18	37.43	2.31	13.60	379.12	18.00	0.00	1782.14
2/13/15 12:18	37.60	2.29	13.65	378.21	18.00	0.00	1783.05
2/13/15 12:19	37.77	2.31	13.67	377.41	18.00	0.00	1783.85
2/13/15 12:19	37.93	2.31	13.67	376.40	18.00	0.00	1784.86
2/13/15 12:19	38.10	2.31	13.72	375.34	18.00	0.00	1785.93
2/13/15 12:19	38.27	2.31	13.75	374.45	18.00	0.00	1786.81
2/13/15 12:19	38.43	2.30	13.75	373.57	18.00	0.00	1787.69
2/13/15 12:19	38.60	2.30	13.77	372.41	18.00	0.00	1788.86
2/13/15 12:20	38.77	2.30	13.80	371.52	18.00	0.00	1789.74
2/13/15 12:20	38.93	2.30	13.83	370.72	18.00	0.00	1790.54
2/13/15 12:20	39.10	2.31	13.85	369.55	17.90	0.00	1791.72
2/13/15 12:20	39.27	2.30	13.88	368.62	17.90	0.00	1792.64
2/13/15 12:20	39.43	2.31	13.90	367.75	17.90	0.00	1793.52
2/13/15 12:20	39.60	2.30	13.93	366.97	17.90	0.00	1794.29
2/13/15 12:21	39.77	2.30	13.95	366.24	17.90	0.00	1795.03
2/13/15 12:21	39.93	2.31	13.98	365.29	17.90	0.00	1795.97
2/13/15 12:21	40.10	2.31	14.03	364.35	17.90	0.00	1796.92
2/13/15 12:21	40.27	2.31	14.05	363.66	17.90	0.00	1797.60
2/13/15 12:21	40.43	2.31	14.05	362.98	17.90	0.00	1798.28
2/13/15 12:21	40.60	2.31	14.13	362.22	17.90	0.00	1799.04
2/13/15 12:22	40.77	2.31	14.13	361.56	17.90	0.00	1799.70
2/13/15 12:22	40.93	2.31	14.13	360.89	17.90	0.00	1800.38
2/13/15 12:22	41.10	2.31	14.18	360.27	17.90	0.00	1800.99
2/13/15 12:22	41.27	2.31	14.18	360.01	17.90	0.00	1801.25
2/13/15 12:22	41.43	2.31	14.23	359.32	17.90	0.00	1801.95
2/13/15 12:22	41.60	2.30	14.26	358.49	17.90	0.00	1802.78
2/13/15 12:23	41.77	2.32	14.28	358.24	17.90	0.00	1803.02
2/13/15 12:23	41.93	2.31	14.28	357.66	17.90	0.00	1803.61
2/13/15 12:23	42.10	2.31	14.39	357.54	17.90	0.00	1803.72
2/13/15 12:23	42.27	2.31	14.44	356.87	17.90	0.00	1804.39
2/13/15 12:23	42.43	2.32	14.44	356.57	17.90	0.00	1804.70
2/13/15 12:23	42.60	2.31	14.46	356.10	17.90	0.00	1805.17
2/13/15 12:24	42.77	2.32	14.49	355.90	17.90	0.00	1805.36
2/13/15 12:24	42.93	2.32	14.54	355.27	17.90	0.00	1805.99
2/13/15 12:24	43.10	2.31	14.57	355.31	17.90	0.00	1805.95
2/13/15 12:24	43.27	2.31	14.59	354.72	17.90	0.00	1806.54
2/13/15 12:24	43.43	2.30	14.64	354.33	17.90	0.00	1806.93
2/13/15 12:24	43.60	2.31	14.54	354.18	17.90	0.00	1807.08
2/13/15 12:25	43.77	2.31	14.64	353.89	17.90	0.00	1807.38
2/13/15 12:25	43.93	2.31	14.64	353.79	17.90	0.00	1807.47
2/13/15 12:25	44.10	2.31	14.67	353.17	17.90	0.00	1808.09
2/13/15 12:25	44.27	2.31	14.69	353.27	17.90	0.00	1807.99
2/13/15 12:25	44.43	2.31	14.75	353.12	17.90	0.00	1808.14
2/13/15 12:25	44.60	2.31	14.77	352.73	17.90	0.00	1808.53
2/13/15 12:26	44.77	2.31	14.80	352.56	17.90	0.00	1808.70
2/13/15 12:26	44.93	2.31	14.82	352.33	17.90	0.00	1808.94
2/13/15 12:26	45.10	2.31	14.87	352.01	17.90	0.00	1809.25
2/13/15 12:26	45.27	2.30	14.90	351.93	17.90	0.00	1809.33
2/13/15 12:26	45.43	2.31	14.90	351.88	17.90	0.00	1809.39
2/13/15 12:26	45.60	2.31	14.93	351.71	17.90	0.00	1809.56
2/13/15 12:27	45.77	2.30	14.95	351.35	17.90	0.00	1809.91
2/13/15 12:27	45.93	2.31	14.98	351.12	17.90	0.00	1810.14
2/13/15 12:27	46.10	2.31	14.98	351.11	17.90	0.00	1810.15
2/13/15 12:27	46.27	2.32	15.03	351.26	17.90	0.00	1810.00
2/13/15 12:27	46.43	2.32	15.05	350.94	17.90	0.00	1810.33
2/13/15 12:27	46.60	2.31	15.08	350.84	17.90	0.00	1810.42
2/13/15 12:28	46.77	2.32	15.08	350.72	17.90	0.00	1810.54
2/13/15 12:28	46.93	2.32	15.13	350.29	17.90	0.00	1810.97
2/13/15 12:28	47.10	2.31	15.18	350.42	17.90	0.00	1810.84
2/13/15 12:28	47.27	2.33	15.23	350.13	17.90	0.00	1811.13
2/13/15 12:28	47.43	2.32	15.26	349.80	17.90	0.00	1811.46
2/13/15 12:28	47.60	2.31	15.26	349.87	17.90	0.00	1811.39
2/13/15 12:29	47.77	2.31	15.26	349.84	17.90	0.00	1811.42

Appendix 5.1, CPC14-3 Falling Head Test 3587 to 3857 ft MD bgs, 13 February 2015

Date/Time	Time (min)	Battery (V)	Temp (°C)	Reading (ft)	Sensor Tmp (°C)	Recovery (min)	DTW (vert, ft)
2/13/15 12:29	47.93	2.32	15.34	349.75	17.90	0.00	1811.51
2/13/15 12:29	48.10	2.32	15.34	349.66	17.90	0.00	1811.60
2/13/15 12:29	48.27	2.31	15.34	349.47	17.90	0.00	1811.80
2/13/15 12:29	48.43	2.32	15.34	349.21	17.90	0.00	1812.05
2/13/15 12:29	48.60	2.31	15.34	349.13	17.90	0.00	1812.13
2/13/15 12:30	48.77	2.31	15.36	349.27	17.90	0.00	1811.99
2/13/15 12:30	48.93	2.31	15.31	349.08	17.90	0.00	1812.18
2/13/15 12:30	49.10	2.32	15.34	349.12	17.90	0.00	1812.14
2/13/15 12:30	49.27	2.31	15.36	349.00	17.90	0.00	1812.26
2/13/15 12:30	49.43	2.31	15.41	348.81	17.90	0.00	1812.46
2/13/15 12:30	49.60	2.30	15.41	348.93	17.90	0.00	1812.33
2/13/15 12:31	49.77	2.30	15.44	348.79	17.90	0.00	1812.48
2/13/15 12:31	49.93	2.32	15.47	348.70	17.90	0.00	1812.56
2/13/15 12:31	50.10	2.31	15.47	348.36	17.90	0.00	1812.90
2/13/15 12:31	50.27	2.32	15.47	348.56	17.90	0.00	1812.71
2/13/15 12:31	50.43	2.32	15.49	348.32	17.90	0.00	1812.94
2/13/15 12:31	50.60	2.32	15.52	348.20	17.90	0.00	1813.06
2/13/15 12:32	50.77	2.33	15.57	347.95	17.90	0.00	1813.32
2/13/15 12:32	50.93	2.32	15.57	347.77	17.90	0.00	1813.50
2/13/15 12:32	51.10	2.32	15.65	347.78	17.90	0.00	1813.48
2/13/15 12:32	51.27	2.32	15.67	348.00	17.90	0.00	1813.27
2/13/15 12:32	51.43	2.32	15.70	347.73	17.90	0.00	1813.53
2/13/15 12:32	51.60	2.30	15.75	347.69	17.90	0.00	1813.57
2/13/15 12:33	51.77	2.31	15.80	347.80	17.90	0.00	1813.46
2/13/15 12:33	51.93	2.31	15.83	347.87	17.90	0.00	1813.40
2/13/15 12:33	52.10	2.32	15.88	347.66	17.90	0.00	1813.60
2/13/15 12:33	52.27	2.31	15.91	347.45	17.90	0.00	1813.82
2/13/15 12:33	52.43	2.32	15.98	347.32	17.90	0.00	1813.94
2/13/15 12:33	52.60	2.32	16.01	347.14	17.90	0.00	1814.12
2/13/15 12:34	52.77	2.32	16.09	347.06	17.90	0.00	1814.20
2/13/15 12:34	52.93	2.31	16.11	347.10	17.90	0.00	1814.17
2/13/15 12:34	53.10	2.32	16.19	347.03	17.90	0.00	1814.24
2/13/15 12:34	53.27	2.32	16.22	347.03	17.90	0.00	1814.24
2/13/15 12:34	53.43	2.31	16.29	347.17	17.90	0.00	1814.09
2/13/15 12:34	53.60	2.33	16.35	347.15	17.90	0.00	1814.11
2/13/15 12:35	53.77	2.32	16.42	347.11	17.90	0.00	1814.15
2/13/15 12:35	53.93	2.31	16.48	347.21	17.90	0.00	1814.05
2/13/15 12:35	54.10	2.31	16.50	347.03	17.90	0.00	1814.23
2/13/15 12:35	54.27	2.32	16.56	347.24	17.90	0.00	1814.02
2/13/15 12:35	54.43	2.31	16.61	347.18	17.90	0.00	1814.08
2/13/15 12:35	54.60	2.31	16.63	347.27	17.90	0.00	1814.00
2/13/15 12:36	54.77	2.32	16.66	347.14	17.90	0.00	1814.12
2/13/15 12:36	54.93	2.31	16.74	347.40	17.90	0.00	1813.87
2/13/15 12:36	55.10	2.31	16.79	347.36	17.90	0.00	1813.90
2/13/15 12:36	55.27	2.32	16.82	347.15	17.90	0.00	1814.12
2/13/15 12:36	55.43	2.32	16.87	347.33	17.90	0.00	1813.93
2/13/15 12:36	55.60	2.31	16.89	347.26	17.90	0.00	1814.00
2/13/15 12:37	55.77	2.31	16.92	347.26	17.90	0.00	1814.00
2/13/15 12:37	55.93	2.32	16.87	347.09	17.90	0.00	1814.18
2/13/15 12:37	56.10	2.31	16.97	348.03	17.90	0.00	1813.23
2/13/15 12:37	56.27	2.31	17.00	351.54	17.90	0.00	1809.72
2/13/15 12:37	56.43	2.32	17.02	354.96	17.90	0.00	1806.30
2/13/15 12:37	56.60	2.31	17.08	364.26	17.90	0.00	1797.00
2/13/15 12:38	56.77	2.31	17.10	363.77	17.90	0.00	1797.49
2/13/15 12:38	56.93	2.31	17.13	366.72	17.90	0.00	1794.55
2/13/15 12:38	57.10	2.31	17.13	370.19	17.90	0.00	1791.07
2/13/15 12:38	57.27	2.31	17.18	372.43	17.90	0.00	1788.84
2/13/15 12:38	57.43	2.32	17.18	376.61	17.90	0.00	1784.65
2/13/15 12:38	57.60	2.32	17.21	378.36	17.90	0.00	1782.90
2/13/15 12:39	57.77	2.32	17.26	380.94	17.90	0.00	1780.32
2/13/15 12:39	57.93	2.32	17.26	384.54	17.90	0.00	1776.72
2/13/15 12:39	58.10	2.32	17.29	385.92	17.90	0.00	1775.34
2/13/15 12:39	58.27	2.31	17.31	388.81	17.90	0.00	1772.46
2/13/15 12:39	58.43	2.32	17.34	394.07	17.90	0.00	1767.19
2/13/15 12:39	58.60	2.32	17.39	395.24	17.90	0.00	1766.02
2/13/15 12:40	58.77	2.32	17.44	396.58	17.90	0.00	1764.68
2/13/15 12:40	58.93	2.31	17.50	399.68	17.90	0.00	1761.58
2/13/15 12:40	59.10	2.32	17.52	404.91	17.90	0.00	1756.35
2/13/15 12:40	59.27	2.33	17.58	404.69	17.90	0.00	1756.57
2/13/15 12:40	59.43	2.32	17.63	411.11	17.90	0.00	1750.15
2/13/15 12:40	59.60	2.32	17.68	408.64	17.80	0.00	1752.62
2/13/15 12:41	59.77	2.31	17.73	417.20	17.80	0.00	1744.06

Appendix 5.1, CPC14-3 Falling Head Test 3587 to 3857 ft MD bgs, 13 February 2015

Date/Time	Time (min)	Battery (V)	Temp (°C)	Reading (ft)	Sensor Tmp (°C)	Recovery (min)	DTW (vert. ft)
2/13/15 12:41	59.93	2.32	17.79	414.80	17.80	0.00	1746.46
2/13/15 12:41	60.10	2.31	17.84	416.19	17.80	0.00	1745.07
2/13/15 12:41	60.27	2.33	17.89	423.06	17.80	0.00	1738.20
2/13/15 12:41	60.43	2.32	17.94	424.27	17.80	0.00	1737.00
2/13/15 12:41	60.60	2.32	18.02	424.94	17.80	0.00	1736.32
2/13/15 12:42	60.77	2.32	18.05	430.80	17.80	0.00	1730.46
2/13/15 12:42	60.93	2.33	18.08	431.83	17.80	0.00	1729.43
2/13/15 12:42	61.10	2.32	18.13	431.00	17.80	0.00	1730.26
2/13/15 12:42	61.27	2.31	18.21	432.41	17.80	0.00	1728.85
2/13/15 12:42	61.43	2.32	18.21	439.21	17.80	0.00	1722.05
2/13/15 12:42	61.60	2.32	18.26	435.82	17.70	0.00	1725.44
2/13/15 12:43	61.77	2.32	18.29	439.58	17.70	0.00	1721.69
2/13/15 12:43	61.93	2.32	18.32	443.15	17.70	0.00	1718.11
2/13/15 12:43	62.10	2.31	18.32	446.15	17.70	0.00	1715.11
2/13/15 12:43	62.27	2.31	18.34	451.18	17.70	0.00	1710.08
2/13/15 12:43	62.43	2.32	18.34	449.02	17.70	0.00	1712.25
2/13/15 12:43	62.60	2.32	18.37	452.44	17.70	0.00	1708.82
2/13/15 12:44	62.77	2.32	18.34	450.97	17.70	0.00	1710.30
2/13/15 12:44	62.93	2.32	18.34	456.09	17.70	0.00	1705.17
2/13/15 12:44	63.10	2.32	18.34	461.49	17.70	0.00	1699.77
2/13/15 12:44	63.27	2.32	18.37	463.22	17.60	0.00	1698.04
2/13/15 12:44	63.43	2.32	18.37	461.11	17.60	0.00	1700.15
2/13/15 12:44	63.60	2.32	18.37	464.60	17.60	0.00	1696.66
2/13/15 12:45	63.77	2.31	18.34	468.90	17.60	0.00	1692.36
2/13/15 12:45	63.93	2.33	18.37	469.03	17.60	0.00	1692.23
2/13/15 12:45	64.10	2.31	18.32	472.59	17.60	0.00	1688.68
2/13/15 12:45	64.27	2.32	18.34	474.89	17.60	0.00	1686.37
2/13/15 12:45	64.43	2.33	18.34	475.39	17.50	0.00	1685.87
2/13/15 12:45	64.60	2.31	18.37	477.35	17.50	0.00	1683.91
2/13/15 12:46	64.77	2.31	18.34	481.42	17.50	0.00	1679.85
2/13/15 12:46	64.93	2.31	18.37	481.60	17.50	0.00	1679.66
2/13/15 12:46	65.10	2.32	18.37	482.89	17.50	0.00	1678.37
2/13/15 12:46	65.27	2.32	18.37	486.18	17.50	0.00	1675.08
2/13/15 12:46	65.43	2.31	18.34	488.50	17.50	0.00	1672.76
2/13/15 12:46	65.60	2.32	18.39	487.73	17.50	0.00	1673.53
2/13/15 12:47	65.77	2.32	18.42	490.82	17.50	0.00	1670.44
2/13/15 12:47	65.93	2.32	18.37	493.18	17.50	0.00	1668.08
2/13/15 12:47	66.10	2.32	18.39	498.45	17.40	0.00	1662.81
2/13/15 12:47	66.27	2.33	18.42	496.60	17.40	0.00	1664.67
2/13/15 12:47	66.43	2.32	18.39	502.54	17.40	0.00	1658.72
2/13/15 12:47	66.60	2.32	18.47	508.66	17.40	0.00	1652.60
2/13/15 12:48	66.77	2.31	18.45	507.38	17.40	0.00	1653.88
2/13/15 12:48	66.93	2.32	18.47	510.34	17.40	0.00	1650.92
2/13/15 12:48	67.10	2.31	18.47	512.77	17.40	0.00	1648.49
2/13/15 12:48	67.27	2.32	18.53	514.00	17.40	0.00	1647.26
2/13/15 12:48	67.43	2.32	18.53	523.98	17.40	0.00	1637.29
2/13/15 12:48	67.60	2.32	18.53	522.98	17.30	0.00	1638.28
2/13/15 12:49	67.77	2.32	18.53	528.29	17.30	0.00	1632.97
2/13/15 12:49	67.93	2.31	18.58	527.61	17.30	0.00	1633.65
2/13/15 12:49	68.10	2.32	18.63	532.18	17.30	0.00	1629.08
2/13/15 12:49	68.27	2.33	18.63	534.31	17.30	0.00	1626.95
2/13/15 12:49	68.43	2.33	18.63	534.11	17.30	0.00	1627.15
2/13/15 12:49	68.60	2.32	18.66	540.20	17.30	0.00	1621.06
2/13/15 12:50	68.77	2.32	18.66	544.90	17.30	0.00	1616.36
2/13/15 12:50	68.93	2.32	18.69	544.81	17.20	0.00	1616.45
2/13/15 12:50	69.10	2.32	18.66	545.15	17.20	0.00	1616.11
2/13/15 12:50	69.27	2.32	18.69	550.28	17.20	0.00	1610.98
2/13/15 12:50	69.43	2.33	18.69	553.27	17.20	0.00	1607.99
2/13/15 12:50	69.60	2.31	18.69	551.27	17.20	0.00	1609.99
2/13/15 12:51	69.77	2.32	18.71	559.08	17.20	0.00	1602.18
2/13/15 12:51	69.93	2.33	18.58	562.04	17.20	0.00	1599.22
2/13/15 12:51	70.10	2.32	18.58	563.72	17.20	0.00	1597.54
2/13/15 12:51	70.27	2.33	18.63	571.03	17.20	0.00	1590.23
2/13/15 12:51	70.43	2.32	18.66	571.18	17.20	0.00	1590.08
2/13/15 12:51	70.60	2.32	18.66	569.88	17.20	0.00	1591.39
2/13/15 12:52	70.77	2.32	18.66	575.63	17.10	0.00	1585.63
2/13/15 12:52	70.93	2.32	18.63	581.43	17.10	0.00	1579.84
2/13/15 12:52	71.10	2.31	18.66	580.06	17.10	0.00	1581.20
2/13/15 12:52	71.27	2.32	18.61	587.84	17.10	0.00	1573.42
2/13/15 12:52	71.43	2.32	18.61	586.10	17.10	0.00	1575.17
2/13/15 12:52	71.60	2.32	18.61	591.07	17.10	0.00	1570.19
2/13/15 12:53	71.77	2.33	18.61	589.67	17.10	0.00	1571.60

Appendix 5.1, CPC14-3 Falling Head Test 3587 to 3857 ft MD bgs, 13 February 2015

Date/Time	Time (min)	Battery (V)	Temp (°C)	Reading (ft)	Sensor Tmp (°C)	Recovery (min)	DTW (vert. ft)
2/13/15 12:53	71.93	2.32	18.58	598.98	17.10	0.00	1562.28
2/13/15 12:53	72.10	2.31	18.58	600.21	17.10	0.00	1561.05
2/13/15 12:53	72.27	2.32	18.53	605.19	17.10	0.00	1556.07
2/13/15 12:53	72.43	2.32	18.53	608.08	17.10	0.00	1553.18
2/13/15 12:53	72.60	2.32	18.50	603.36	17.10	0.00	1557.90
2/13/15 12:54	72.77	2.32	18.47	611.65	17.00	0.00	1549.62
2/13/15 12:54	72.93	2.32	18.34	612.92	17.00	0.00	1548.34
2/13/15 12:54	73.10	2.33	18.42	613.92	17.00	0.00	1547.34
2/13/15 12:54	73.27	2.32	18.39	615.85	17.00	0.00	1545.41
2/13/15 12:54	73.43	2.33	18.37	614.96	17.00	0.00	1546.30
2/13/15 12:54	73.60	2.32	18.37	622.64	17.00	0.00	1538.63
2/13/15 12:55	73.77	2.32	18.37	623.41	17.00	0.00	1537.86
2/13/15 12:55	73.93	2.31	18.32	624.74	16.90	0.00	1536.52
2/13/15 12:55	74.10	2.31	18.21	629.34	16.90	0.00	1531.92
2/13/15 12:55	74.27	2.31	18.24	635.28	16.90	0.00	1525.98
2/13/15 12:55	74.43	2.31	18.21	633.08	16.90	0.00	1528.18
2/13/15 12:55	74.60	2.31	18.13	641.15	16.90	0.00	1520.11
2/13/15 12:56	74.77	2.32	18.13	640.91	16.90	0.00	1520.35
2/13/15 12:56	74.93	2.32	18.13	645.31	16.90	0.00	1515.96
2/13/15 12:56	75.10	2.32	18.08	645.92	16.90	0.00	1515.34
2/13/15 12:56	75.27	2.31	18.02	643.23	16.80	0.00	1518.03
2/13/15 12:56	75.43	2.31	18.02	649.20	16.80	0.00	1512.06
2/13/15 12:56	75.60	2.31	18.02	649.37	16.80	0.00	1511.90
2/13/15 12:57	75.77	2.31	17.97	652.68	16.80	0.00	1508.58
2/13/15 12:57	75.93	2.31	17.97	654.57	16.80	0.00	1506.70
2/13/15 12:57	76.10	2.33	17.89	659.13	16.80	0.00	1502.14
2/13/15 12:57	76.27	2.32	17.84	660.12	16.80	0.00	1501.14
2/13/15 12:57	76.43	2.31	17.87	660.82	16.80	0.00	1500.44
2/13/15 12:57	76.60	2.32	17.84	663.15	16.80	0.00	1498.11
2/13/15 12:58	76.77	2.32	17.87	665.28	16.70	0.00	1495.98
2/13/15 12:58	76.93	2.32	17.84	671.85	16.70	0.00	1489.42
2/13/15 12:58	77.10	2.32	17.79	676.86	16.70	0.00	1484.40
2/13/15 12:58	77.27	2.32	17.76	676.59	16.70	0.00	1484.67
2/13/15 12:58	77.43	2.32	17.76	678.43	16.70	0.00	1482.83
2/13/15 12:58	77.60	2.32	17.73	679.36	16.70	0.00	1481.90
2/13/15 12:59	77.77	2.32	17.71	680.99	16.70	0.00	1480.28
2/13/15 12:59	77.93	2.31	17.71	682.54	16.70	0.00	1478.72
2/13/15 12:59	78.10	2.32	17.71	685.08	16.60	0.00	1476.18
2/13/15 12:59	78.27	2.31	17.68	693.94	16.60	0.00	1467.32
2/13/15 12:59	78.43	2.31	17.65	689.34	16.60	0.00	1471.92
2/13/15 12:59	78.60	2.32	17.63	690.20	16.60	0.00	1471.06
2/13/15 13:00	78.77	2.31	17.63	694.58	16.60	0.00	1466.68
2/13/15 13:00	78.93	2.31	17.60	693.69	16.60	0.00	1467.57
2/13/15 13:00	79.10	2.31	17.52	696.01	16.60	0.00	1465.25
2/13/15 13:00	79.27	2.32	17.55	699.20	16.60	0.00	1462.06
2/13/15 13:00	79.43	2.31	17.55	698.32	16.50	0.00	1462.94
2/13/15 13:00	79.60	2.31	17.47	701.13	16.50	0.00	1460.13
2/13/15 13:01	79.77	2.31	17.47	702.10	16.50	0.00	1459.16
2/13/15 13:01	79.93	2.32	17.42	703.65	16.50	0.00	1457.61
2/13/15 13:01	80.10	2.32	17.39	705.34	16.50	0.00	1455.92
2/13/15 13:01	80.27	2.32	17.39	709.36	16.50	0.00	1451.90
2/13/15 13:01	80.43	2.30	17.31	708.87	16.50	0.00	1452.39
2/13/15 13:01	80.60	2.32	17.34	710.56	16.40	0.00	1450.70
2/13/15 13:02	80.77	2.33	17.18	709.22	16.40	0.00	1452.04
2/13/15 13:02	80.93	2.32	17.29	715.03	16.40	0.00	1446.23
2/13/15 13:02	81.10	2.31	17.21	715.23	16.40	0.00	1446.03
2/13/15 13:02	81.27	2.32	17.29	717.89	16.30	0.00	1443.37
2/13/15 13:02	81.43	2.32	17.26	718.31	16.30	0.00	1442.95
2/13/15 13:02	81.60	2.32	17.26	722.75	16.30	0.00	1438.51
2/13/15 13:03	81.77	2.31	17.26	722.12	16.30	0.00	1439.14
2/13/15 13:03	81.93	2.30	17.26	726.55	16.30	0.00	1434.72
2/13/15 13:03	82.10	2.31	17.29	729.27	16.30	0.00	1431.99
2/13/15 13:03	82.27	2.32	17.21	725.88	16.20	0.00	1435.38
2/13/15 13:03	82.43	2.31	17.16	730.28	16.20	0.00	1430.99
2/13/15 13:03	82.60	2.31	17.21	734.99	16.20	0.00	1426.27
2/13/15 13:04	82.77	2.32	17.18	735.86	16.20	0.00	1425.40
2/13/15 13:04	82.93	2.31	17.21	731.71	16.20	0.00	1429.55
2/13/15 13:04	83.10	2.31	17.18	734.08	16.20	0.00	1427.18
2/13/15 13:04	83.27	2.32	17.16	734.02	16.10	0.00	1427.24
2/13/15 13:04	83.43	2.31	17.18	738.75	16.10	0.00	1422.52
2/13/15 13:04	83.60	2.32	17.16	741.20	16.10	0.00	1420.06
2/13/15 13:05	83.77	2.31	17.18	740.83	16.10	0.00	1420.43

Appendix 5.1, CPC14-3 Falling Head Test 3587 to 3857 ft MD bgs, 13 February 2015

Date/Time	Time (min)	Battery (V)	Temp (°C)	Reading (ft)	Sensor Tmp (°C)	Recovery (min)	DTW (vert. ft)
2/13/15 13:05	83.93	2.30	17.18	740.87	16.10	0.00	1420.39
2/13/15 13:05	84.10	2.31	17.16	745.54	16.00	0.00	1415.72
2/13/15 13:05	84.27	2.31	17.08	746.31	16.00	0.00	1414.96
2/13/15 13:05	84.43	2.31	16.97	745.04	16.00	0.00	1416.22
2/13/15 13:05	84.60	2.30	17.02	746.22	16.00	0.00	1415.04
2/13/15 13:06	84.77	2.31	17.00	749.01	15.90	0.00	1412.26
2/13/15 13:06	84.93	2.32	16.92	747.38	15.90	0.00	1413.88
2/13/15 13:06	85.10	2.31	17.00	751.89	15.90	0.00	1409.37
2/13/15 13:06	85.27	2.30	16.97	748.38	15.90	0.00	1412.88
2/13/15 13:06	85.43	2.31	16.95	752.93	15.90	0.00	1408.33
2/13/15 13:06	85.60	2.31	16.95	752.58	15.80	0.00	1408.68
2/13/15 13:07	85.77	2.31	16.95	753.49	15.80	0.00	1407.77
2/13/15 13:07	85.93	2.31	16.87	758.43	15.80	0.00	1402.83
2/13/15 13:07	86.10	2.31	16.74	757.90	15.80	0.00	1403.36
2/13/15 13:07	86.27	2.32	16.82	757.37	15.80	0.00	1403.89
2/13/15 13:07	86.43	2.31	16.79	761.04	15.70	0.00	1400.22
2/13/15 13:07	86.60	2.31	16.71	762.97	15.70	0.00	1398.29
2/13/15 13:08	86.77	2.30	16.74	761.06	15.70	0.00	1400.20
2/13/15 13:08	86.93	2.31	16.69	765.78	15.60	0.00	1395.48
2/13/15 13:08	87.10	2.31	16.63	768.92	15.60	0.00	1392.34
2/13/15 13:08	87.27	2.31	16.63	765.89	15.60	0.00	1395.37
2/13/15 13:08	87.43	2.31	16.61	767.63	15.60	0.00	1393.64
2/13/15 13:08	87.60	2.30	16.56	766.50	15.60	0.00	1394.77
2/13/15 13:09	87.77	2.32	16.58	772.60	15.50	0.00	1388.66
2/13/15 13:09	87.93	2.31	16.45	770.23	15.50	0.00	1391.03
2/13/15 13:09	88.10	2.31	16.48	771.84	15.50	0.00	1389.42
2/13/15 13:09	88.27	2.31	16.42	776.59	15.50	0.00	1384.67
2/13/15 13:09	88.43	2.31	16.45	777.12	15.40	0.00	1384.14
2/13/15 13:09	88.60	2.31	16.40	777.93	15.40	0.00	1383.34
2/13/15 13:10	88.77	2.32	16.37	781.91	15.40	0.00	1379.35
2/13/15 13:10	88.93	2.31	16.32	779.02	15.40	0.00	1382.24
2/13/15 13:10	89.10	2.31	16.27	784.10	15.40	0.00	1377.16
2/13/15 13:10	89.27	2.31	16.29	785.07	15.30	0.00	1376.19
2/13/15 13:10	89.43	2.31	16.24	788.77	15.30	0.00	1372.50
2/13/15 13:10	89.60	2.30	16.22	794.98	15.30	0.00	1366.29
2/13/15 13:11	89.77	2.31	16.19	796.45	15.30	0.00	1364.81
2/13/15 13:11	89.93	2.29	16.04	801.68	15.30	0.00	1359.58
2/13/15 13:11	90.10	2.31	16.09	805.85	15.20	0.00	1355.41
2/13/15 13:11	90.27	2.31	16.09	808.48	15.20	0.00	1352.78
2/13/15 13:11	90.43	2.30	16.09	816.69	15.20	0.00	1344.57
2/13/15 13:11	90.60	2.32	16.01	817.29	15.20	0.00	1343.97
2/13/15 13:12	90.77	2.31	16.01	823.72	15.20	0.00	1337.54
2/13/15 13:12	90.93	2.31	16.01	827.28	15.10	0.00	1333.98
2/13/15 13:12	91.10	2.30	15.96	834.15	15.10	0.00	1327.11
2/13/15 13:12	91.27	2.31	15.93	836.15	15.10	0.00	1325.11
2/13/15 13:12	91.43	2.30	15.88	839.00	15.10	0.00	1322.26
2/13/15 13:12	91.60	2.29	15.85	846.35	15.10	0.00	1314.91
2/13/15 13:13	91.77	2.31	15.83	846.99	15.00	0.00	1314.27
2/13/15 13:13	91.93	2.32	15.83	849.55	15.00	0.00	1311.71
2/13/15 13:13	92.10	2.32	15.78	853.39	15.00	0.00	1307.87
2/13/15 13:13	92.27	2.30	15.80	860.32	15.00	0.00	1300.94
2/13/15 13:13	92.43	2.31	15.75	863.74	15.00	0.00	1297.52
2/13/15 13:13	92.60	2.31	15.67	866.60	14.90	0.00	1294.66
2/13/15 13:14	92.77	2.29	15.67	873.39	14.90	0.00	1287.88
2/13/15 13:14	92.93	2.31	15.67	873.99	14.90	0.00	1287.27
2/13/15 13:14	93.10	2.31	15.60	880.25	14.90	0.00	1281.01
2/13/15 13:14	93.27	2.31	15.60	880.30	14.80	0.00	1280.96
2/13/15 13:14	93.43	2.30	15.54	890.26	14.80	0.00	1271.00
2/13/15 13:14	93.60	2.31	15.57	890.47	14.80	0.00	1270.79
2/13/15 13:15	93.77	2.31	15.52	895.44	14.80	0.00	1265.82
2/13/15 13:15	93.93	2.31	15.49	899.65	14.80	0.00	1261.61
2/13/15 13:15	94.10	2.31	15.49	902.20	14.70	0.00	1259.06
2/13/15 13:15	94.27	2.31	15.41	905.44	14.70	0.00	1255.83
2/13/15 13:15	94.43	2.31	15.34	909.23	14.70	0.00	1252.03
2/13/15 13:15	94.60	2.30	15.39	916.75	14.70	0.00	1244.51
2/13/15 13:16	94.77	2.31	15.29	919.60	14.70	0.00	1241.66
2/13/15 13:16	94.93	2.31	15.21	926.45	14.60	0.00	1234.81
2/13/15 13:16	95.10	2.29	15.21	928.82	14.60	0.00	1232.44
2/13/15 13:16	95.27	2.31	15.13	934.41	14.60	0.00	1226.86
2/13/15 13:16	95.43	2.31	15.11	942.61	14.60	0.00	1218.65
2/13/15 13:16	95.60	2.31	15.13	946.74	14.50	0.00	1214.52
2/13/15 13:17	95.77	2.31	15.08	954.72	14.50	0.00	1206.54

Appendix 5.1, CPC14-3 Falling Head Test 3587 to 3857 ft MD bgs, 13 February 2015

Date/Time	Time (min)	Battery (V)	Temp (°C)	Reading (ft)	Sensor Tmp (°C)	Recovery (min)	DTW (vert. ft)
2/13/15 13:17	95.93	2.30	15.03	959.42	14.50	0.00	1201.84
2/13/15 13:17	96.10	2.31	15.05	965.30	14.50	0.00	1195.96
2/13/15 13:17	96.27	2.31	15.03	973.12	14.50	0.00	1188.14
2/13/15 13:17	96.43	2.31	14.95	980.78	14.40	0.00	1180.48
2/13/15 13:17	96.60	2.29	14.95	981.06	14.40	0.00	1180.21
2/13/15 13:18	96.77	2.31	14.93	989.43	14.40	0.00	1171.83
2/13/15 13:18	96.93	2.30	14.93	993.19	14.40	0.00	1168.07
2/13/15 13:18	97.10	2.31	14.82	1000.00	14.30	0.00	1161.26
2/13/15 13:18	97.27	2.30	14.85	1000.77	14.30	0.00	1160.49
2/13/15 13:18	97.43	2.29	14.85	1011.01	14.30	0.00	1150.25
2/13/15 13:18	97.60	2.30	14.80	1017.08	14.30	0.00	1144.18
2/13/15 13:19	97.77	2.29	14.80	1019.74	14.30	0.00	1141.53
2/13/15 13:19	97.93	2.29	14.72	1027.78	14.20	0.00	1133.48
2/13/15 13:19	98.10	2.29	14.67	1031.28	14.20	0.00	1129.98
2/13/15 13:19	98.27	2.31	14.69	1036.31	14.20	0.00	1124.95
2/13/15 13:19	98.43	2.30	14.69	1040.09	14.20	0.00	1121.18
2/13/15 13:19	98.60	2.29	14.64	1043.62	14.10	0.00	1117.64
2/13/15 13:20	98.77	2.31	14.64	1053.08	14.10	0.00	1108.18
2/13/15 13:20	98.93	2.30	14.59	1059.53	14.10	0.00	1101.73
2/13/15 13:20	99.10	2.31	14.57	1058.51	14.10	0.00	1102.75
2/13/15 13:20	99.27	2.30	14.54	1062.85	14.00	0.00	1098.41
2/13/15 13:20	99.43	2.30	14.44	1068.79	14.00	0.00	1092.47
2/13/15 13:20	99.60	2.31	14.34	1074.76	14.00	0.00	1086.50
2/13/15 13:21	99.77	2.31	14.31	1080.89	14.00	0.00	1080.37
2/13/15 13:21	99.93	2.30	14.34	1081.91	14.00	0.00	1079.35
2/13/15 13:21	100.10	2.30	14.34	1086.67	13.90	0.00	1074.60
2/13/15 13:21	100.27	2.29	14.26	1088.08	13.90	0.00	1073.19
2/13/15 13:21	100.43	2.29	14.21	1093.36	13.90	0.00	1067.90
2/13/15 13:21	100.60	2.30	14.21	1099.68	13.90	0.00	1061.58
2/13/15 13:22	100.77	2.30	14.16	1102.11	13.80	0.00	1059.15
2/13/15 13:22	100.93	2.30	14.16	1100.78	13.80	0.00	1060.48
2/13/15 13:22	101.10	2.30	14.05	1108.40	13.80	0.00	1052.86
2/13/15 13:22	101.27	2.30	14.08	1109.17	13.80	0.00	1052.09
2/13/15 13:22	101.43	2.30	13.98	1109.09	13.70	0.00	1052.17
2/13/15 13:22	101.60	2.30	13.93	1115.46	13.70	0.00	1045.81
2/13/15 13:23	101.77	2.30	13.90	1113.00	13.70	0.00	1048.27
2/13/15 13:23	101.93	2.30	13.90	1118.79	13.70	0.00	1042.48
2/13/15 13:23	102.10	2.29	13.85	1122.37	13.60	0.00	1038.89
2/13/15 13:23	102.27	2.30	13.88	1125.27	13.60	0.00	1036.00
2/13/15 13:23	102.43	2.29	13.85	1128.12	13.60	0.00	1033.14
2/13/15 13:23	102.60	2.30	13.80	1134.38	13.60	0.00	1026.88
2/13/15 13:24	102.77	2.29	13.77	1142.44	13.60	0.00	1018.82
2/13/15 13:24	102.93	2.29	13.67	1144.74	13.50	0.00	1016.52
2/13/15 13:24	103.10	2.30	13.65	1148.86	13.50	0.00	1012.41
2/13/15 13:24	103.27	2.30	13.60	1156.37	13.50	0.00	1004.89
2/13/15 13:24	103.43	2.30	13.57	1157.51	13.50	0.00	1003.75
2/13/15 13:24	103.60	2.29	13.57	1164.05	13.50	0.00	997.21
2/13/15 13:25	103.77	2.30	13.52	1171.82	13.40	0.00	989.45
2/13/15 13:25	103.93	2.30	13.49	1172.71	13.40	0.00	988.55
2/13/15 13:25	104.10	2.30	13.47	1175.59	13.40	0.00	985.67
2/13/15 13:25	104.27	2.29	13.52	1179.16	13.40	0.00	982.10
2/13/15 13:25	104.43	2.29	13.49	1187.71	13.40	0.00	973.55
2/13/15 13:25	104.60	2.29	13.47	1192.35	13.40	0.00	968.91
2/13/15 13:26	104.77	2.29	13.47	1193.88	13.30	0.00	967.38
2/13/15 13:26	104.93	2.29	13.44	1199.60	13.30	0.00	961.66
2/13/15 13:26	105.10	2.30	13.37	1201.84	13.30	0.00	959.42
2/13/15 13:26	105.27	2.30	13.37	1207.50	13.30	0.00	953.77
2/13/15 13:26	105.43	2.29	13.37	1213.37	13.30	0.00	947.89
2/13/15 13:26	105.60	2.29	13.34	1217.91	13.20	0.00	943.35
2/13/15 13:27	105.77	2.29	13.29	1217.76	13.20	0.00	943.50
2/13/15 13:27	105.93	2.29	13.32	1229.07	13.20	0.00	932.19
2/13/15 13:27	106.10	2.29	13.29	1227.50	13.20	0.00	933.76
2/13/15 13:27	106.27	2.29	13.27	1235.75	13.20	0.00	925.51
2/13/15 13:27	106.43	2.29	13.27	1235.55	13.20	0.00	925.72
2/13/15 13:27	106.60	2.29	13.21	1241.68	13.10	0.00	919.58
2/13/15 13:28	106.77	2.29	13.21	1242.77	13.10	0.00	918.49
2/13/15 13:28	106.93	2.30	13.19	1249.85	13.10	0.00	911.41
2/13/15 13:28	107.10	2.29	13.19	1254.98	13.10	0.00	906.28
2/13/15 13:28	107.27	2.30	13.14	1254.28	13.10	0.00	906.98
2/13/15 13:28	107.43	2.29	13.14	1263.73	13.10	0.00	897.53
2/13/15 13:28	107.60	2.30	13.09	1261.74	13.00	0.00	899.53
2/13/15 13:29	107.77	2.29	13.09	1270.23	13.00	0.00	891.04

Appendix 5.1, CPC14-3 Falling Head Test 3587 to 3857 ft MD bgs, 13 February 2015

Date/Time	Time (min)	Battery (V)	Temp (°C)	Reading (ft)	Sensor Tmp (°C)	Recovery (min)	DTW (vert, ft)
2/13/15 13:29	107.93	2.29	13.06	1273.33	13.00	0.00	887.93
2/13/15 13:29	108.10	2.29	13.06	1275.10	13.00	0.00	886.16
2/13/15 13:29	108.27	2.29	13.06	1278.18	13.00	0.00	883.08
2/13/15 13:29	108.43	2.29	13.06	1283.07	13.00	0.00	878.20
2/13/15 13:29	108.60	2.29	13.04	1285.81	12.90	0.00	875.45
2/13/15 13:30	108.77	2.29	13.04	1289.57	12.90	0.00	871.69
2/13/15 13:30	108.93	2.29	12.96	1296.03	12.90	0.00	865.24
2/13/15 13:30	109.10	2.29	12.96	1296.98	12.90	0.00	864.29
2/13/15 13:30	109.27	2.29	12.99	1302.45	12.90	0.00	858.81
2/13/15 13:30	109.43	2.29	12.96	1303.52	12.90	0.00	857.74
2/13/15 13:30	109.60	2.28	12.96	1305.37	12.90	0.00	855.89
2/13/15 13:31	109.77	2.29	12.96	1313.86	12.80	0.00	847.40
2/13/15 13:31	109.93	2.29	12.94	1313.23	12.80	0.00	848.03
2/13/15 13:31	110.10	2.29	12.94	1316.01	12.80	0.00	845.25
2/13/15 13:31	110.27	2.29	12.91	1319.14	12.80	0.00	842.13
2/13/15 13:31	110.43	2.29	12.91	1327.40	12.80	0.00	833.86
2/13/15 13:31	110.60	2.29	12.88	1326.37	12.70	0.00	834.89
2/13/15 13:32	110.77	2.29	12.88	1335.13	12.70	0.00	826.13
2/13/15 13:32	110.93	2.29	12.88	1333.88	12.70	0.00	827.39
2/13/15 13:32	111.10	2.29	12.81	1340.62	12.70	0.00	820.64
2/13/15 13:32	111.27	2.29	12.81	1344.12	12.70	0.00	817.14
2/13/15 13:32	111.43	2.29	12.81	1347.20	12.70	0.00	814.06
2/13/15 13:32	111.60	2.29	12.81	1350.88	12.60	0.00	810.38
2/13/15 13:33	111.77	2.29	12.76	1350.66	12.60	0.00	810.61
2/13/15 13:33	111.93	2.28	12.76	1357.46	12.60	0.00	803.80
2/13/15 13:33	112.10	2.28	12.76	1362.89	12.60	0.00	798.38
2/13/15 13:33	112.27	2.29	12.73	1363.15	12.60	0.00	798.11
2/13/15 13:33	112.43	2.28	12.76	1368.26	12.50	0.00	793.00
2/13/15 13:33	112.60	2.29	12.71	1366.09	12.50	0.00	795.17
2/13/15 13:34	112.77	2.29	12.73	1372.65	12.50	0.00	788.61
2/13/15 13:34	112.93	2.28	12.71	1376.22	12.50	0.00	785.05
2/13/15 13:34	113.10	2.29	12.71	1381.72	12.50	0.00	779.54
2/13/15 13:34	113.27	2.29	12.66	1383.86	12.40	0.00	777.40
2/13/15 13:34	113.43	2.29	12.61	1381.79	12.40	0.00	779.47
2/13/15 13:34	113.60	2.29	12.66	1392.30	12.40	0.00	768.96
2/13/15 13:35	113.77	2.28	12.63	1396.65	12.40	0.00	764.61
2/13/15 13:35	113.93	2.28	12.61	1400.66	12.40	0.00	760.60
2/13/15 13:35	114.10	2.28	12.61	1399.41	12.30	0.00	761.85
2/13/15 13:35	114.27	2.28	12.58	1403.54	12.30	0.00	757.72
2/13/15 13:35	114.43	2.29	12.56	1408.25	12.30	0.00	753.02
2/13/15 13:35	114.60	2.29	12.56	1411.77	12.30	0.00	749.49
2/13/15 13:36	114.77	2.29	12.53	1418.05	12.30	0.00	743.22
2/13/15 13:36	114.93	2.29	12.53	1420.75	12.20	0.00	740.51
2/13/15 13:36	115.10	2.29	12.50	1422.23	12.20	0.00	739.03
2/13/15 13:36	115.27	2.29	12.50	1421.34	12.20	0.00	739.92
2/13/15 13:36	115.43	2.29	12.48	1424.97	12.20	0.00	736.30
2/13/15 13:36	115.60	2.29	12.48	1425.07	12.20	0.00	736.19
2/13/15 13:37	115.77	2.28	12.48	1429.35	12.10	0.00	731.91
2/13/15 13:37	115.93	2.28	12.48	1427.41	12.10	0.00	733.85
2/13/15 13:37	116.10	2.29	12.45	1435.22	12.10	0.00	726.05
2/13/15 13:37	116.27	2.29	12.45	1429.28	12.10	0.00	731.99
2/13/15 13:37	116.43	2.29	12.43	1435.02	12.10	0.00	726.24
2/13/15 13:37	116.60	2.28	12.43	1438.08	12.00	0.00	723.18
2/13/15 13:38	116.77	2.29	12.38	1433.99	12.00	0.00	727.28
2/13/15 13:38	116.93	2.27	12.40	1435.51	12.00	0.00	725.75
2/13/15 13:38	117.10	2.29	12.38	1438.91	12.00	0.00	722.35
2/13/15 13:38	117.27	2.29	12.38	1449.08	11.90	0.00	712.18
2/13/15 13:38	117.43	2.28	12.35	1448.56	11.90	0.00	712.71
2/13/15 13:38	117.60	2.28	12.35	1443.97	11.90	0.00	717.29
2/13/15 13:39	117.77	2.28	12.35	1445.23	11.90	0.00	716.03
2/13/15 13:39	117.93	2.28	12.28	1441.06	11.90	0.00	720.21
2/13/15 13:39	118.10	2.28	12.33	1436.33	11.80	0.00	724.93
2/13/15 13:39	118.27	2.28	12.33	1428.18	11.80	0.00	733.08
2/13/15 13:39	118.43	2.29	12.25	1420.16	11.80	0.00	741.10
2/13/15 13:39	118.60	2.28	12.25	1411.80	11.80	0.00	749.46
2/13/15 13:40	118.77	2.28	12.25	1402.47	11.80	0.00	758.80
2/13/15 13:40	118.93	2.29	12.25	1394.04	11.70	0.00	767.22
2/13/15 13:40	119.10	2.28	12.25	1390.89	11.70	0.00	770.38
2/13/15 13:40	119.27	2.28	12.25	1385.04	11.70	0.00	776.22
2/13/15 13:40	119.43	2.28	12.23	1380.76	11.70	0.00	780.51
2/13/15 13:40	119.60	2.28	12.23	1378.87	11.70	0.00	782.40
2/13/15 13:41	119.77	2.29	12.23	1379.58	11.70	0.00	781.69

Appendix 5.1, CPC14-3 Falling Head Test 3587 to 3857 ft MD bgs, 13 February 2015

Date/Time	Time (min)	Battery (V)	Temp (°C)	Reading (ft)	Sensor Tmp (°C)	Recovery (min)	DTW (vert, ft)
2/13/15 13:41	119.93	2.28	12.23	1383.88	11.60	0.00	777.38
2/13/15 13:41	120.10	2.28	12.23	1384.19	11.60	0.00	777.08
2/13/15 13:41	120.27	2.28	12.23	1391.68	11.60	0.00	769.58
2/13/15 13:41	120.43	2.28	12.23	1392.11	11.60	0.00	769.15
2/13/15 13:41	120.60	2.28	12.20	1394.75	11.60	0.00	766.51
2/13/15 13:42	120.77	2.29	12.20	1398.19	11.60	0.00	763.07
2/13/15 13:42	120.93	2.28	12.18	1399.45	11.50	0.00	761.81
2/13/15 13:42	121.10	2.29	12.18	1406.80	11.50	0.00	754.46
2/13/15 13:42	121.27	2.28	12.13	1411.72	11.50	0.00	749.54
2/13/15 13:42	121.43	2.28	12.08	1413.04	11.50	0.00	748.22
2/13/15 13:42	121.60	2.28	12.15	1416.57	11.50	0.00	744.69
2/13/15 13:43	121.77	2.28	12.10	1421.65	11.50	0.00	739.61
2/13/15 13:43	121.93	2.29	12.13	1425.94	11.50	0.00	735.32
2/13/15 13:43	122.10	2.28	12.13	1430.01	11.50	0.00	731.25
2/13/15 13:43	122.27	2.28	12.10	1434.97	11.40	0.00	726.29
2/13/15 13:43	122.43	2.28	12.10	1438.05	11.40	0.00	723.22
2/13/15 13:43	122.60	2.28	12.10	1440.03	11.40	0.00	721.23
2/13/15 13:44	122.77	2.28	12.13	1444.93	11.40	0.00	716.33
2/13/15 13:44	122.93	2.28	12.13	1448.39	11.40	0.00	712.87
2/13/15 13:44	123.10	2.28	12.13	1450.91	11.40	0.00	710.35
2/13/15 13:44	123.27	2.28	12.10	1455.10	11.40	0.00	706.16
2/13/15 13:44	123.43	2.28	12.13	1459.25	11.40	0.00	702.01
2/13/15 13:44	123.60	2.28	12.08	1462.51	11.30	0.00	698.75
2/13/15 13:45	123.77	2.28	12.08	1465.39	11.30	0.00	695.87
2/13/15 13:45	123.93	2.28	12.08	1469.94	11.30	0.00	691.32
2/13/15 13:45	124.10	2.28	12.10	1473.46	11.30	0.00	687.81
2/13/15 13:45	124.27	2.28	12.10	1475.85	11.30	0.00	685.41
2/13/15 13:45	124.43	2.28	12.08	1480.07	11.30	0.00	681.19
2/13/15 13:45	124.60	2.28	12.05	1484.30	11.30	0.00	676.96
2/13/15 13:46	124.77	2.28	11.97	1483.39	11.30	0.00	677.87
2/13/15 13:46	124.93	2.28	12.00	1491.09	11.30	0.00	670.17
2/13/15 13:46	125.10	2.28	11.97	1493.48	11.20	0.00	667.78
2/13/15 13:46	125.27	2.28	11.97	1495.50	11.20	0.00	665.76
2/13/15 13:46	125.43	2.28	11.97	1499.93	11.20	0.00	661.33
2/13/15 13:46	125.60	2.28	11.97	1501.47	11.20	0.00	659.79
2/13/15 13:47	125.77	2.28	11.92	1506.14	11.20	0.00	655.12
2/13/15 13:47	125.93	2.27	11.90	1509.58	11.20	0.00	651.69
2/13/15 13:47	126.10	2.28	11.92	1513.60	11.20	0.00	647.66
2/13/15 13:47	126.27	2.28	11.92	1513.65	11.20	0.00	647.61
2/13/15 13:47	126.43	2.28	11.90	1519.96	11.20	0.00	641.30
2/13/15 13:47	126.60	2.28	11.87	1522.37	11.10	0.00	638.90
2/13/15 13:48	126.77	2.29	11.90	1522.93	11.10	0.00	638.33
2/13/15 13:48	126.93	2.28	11.90	1529.21	11.10	0.00	632.06
2/13/15 13:48	127.10	2.28	11.87	1531.15	11.10	0.00	630.11
2/13/15 13:48	127.27	2.27	11.87	1534.88	11.10	0.00	626.39
2/13/15 13:48	127.43	2.27	11.90	1539.33	11.10	0.00	621.93
2/13/15 13:48	127.60	2.28	11.90	1543.80	11.10	0.00	617.46
2/13/15 13:49	127.77	2.28	11.90	1545.89	11.10	0.00	615.37
2/13/15 13:49	127.93	2.28	11.90	1548.49	11.00	0.00	612.77
2/13/15 13:49	128.10	2.28	11.82	1550.71	11.00	0.00	610.55
2/13/15 13:49	128.27	2.27	11.82	1553.04	11.00	0.00	608.22
2/13/15 13:49	128.43	2.28	11.82	1556.53	11.00	0.00	604.73
2/13/15 13:49	128.60	2.28	11.85	1557.97	11.00	0.00	603.29
2/13/15 13:50	128.77	2.28	11.85	1562.63	11.00	0.00	598.63
2/13/15 13:50	128.93	2.28	11.82	1565.06	11.00	0.00	596.21
2/13/15 13:50	129.10	2.28	11.82	1567.32	11.00	0.00	593.94
2/13/15 13:50	129.27	2.28	11.80	1570.41	11.00	0.00	590.85
2/13/15 13:50	129.43	2.28	11.82	1572.69	11.00	0.00	588.58
2/13/15 13:50	129.60	2.28	11.82	1577.50	10.90	0.00	583.76
2/13/15 13:51	129.77	2.28	11.82	1578.96	10.90	0.00	582.30
2/13/15 13:51	129.93	2.27	11.82	1582.73	10.90	0.00	578.54
2/13/15 13:51	130.10	2.28	11.82	1586.38	10.90	0.00	574.88
2/13/15 13:51	130.27	2.27	11.82	1587.46	10.90	0.00	573.80
2/13/15 13:51	130.43	2.28	11.82	1590.37	10.90	0.00	570.89
2/13/15 13:51	130.60	2.28	11.82	1593.52	10.90	0.00	567.74
2/13/15 13:52	130.77	2.28	11.82	1597.33	10.90	0.00	563.94
2/13/15 13:52	130.93	2.27	11.82	1599.89	10.90	0.17	561.37
2/13/15 13:52	131.10	2.28	11.82	1602.11	10.80	0.33	559.15
2/13/15 13:52	131.27	2.28	11.82	1605.14	10.80	0.50	556.12
2/13/15 13:52	131.43	2.28	11.82	1607.26	10.80	0.67	554.01
2/13/15 13:52	131.60	2.27	11.82	1609.65	10.80	0.83	551.61
2/13/15 13:53	131.77	2.28	11.82	1604.12	10.80	1.00	557.14

Appendix 5.1, CPC14-3 Falling Head Test 3587 to 3857 ft MD bgs, 13 February 2015

Date/Time	Time (min)	Battery (V)	Temp (°C)	Reading (ft)	Sensor Tmp (°C)	Recovery (min)	DTW (vert, ft)
2/13/15 13:53	131.93	2.28	11.82	1596.79	10.80	1.17	564.48
2/13/15 13:53	132.10	2.28	11.82	1588.33	10.80	1.33	572.93
2/13/15 13:53	132.27	2.28	11.80	1579.30	10.80	1.50	581.96
2/13/15 13:53	132.43	2.28	11.80	1569.97	10.80	1.67	591.29
2/13/15 13:53	132.60	2.28	11.77	1560.61	10.80	1.83	600.65
2/13/15 13:54	132.77	2.28	11.80	1551.33	10.70	2.00	609.93
2/13/15 13:54	132.93	2.28	11.77	1541.72	10.70	2.17	619.54
2/13/15 13:54	133.10	2.28	11.77	1532.38	10.70	2.33	628.88
2/13/15 13:54	133.27	2.28	11.77	1523.09	10.70	2.50	638.17
2/13/15 13:54	133.43	2.28	11.75	1513.90	10.70	2.67	647.36
2/13/15 13:54	133.60	2.27	11.75	1504.82	10.70	2.83	656.44
2/13/15 13:55	133.77	2.27	11.72	1495.04	10.70	3.00	666.23
2/13/15 13:55	133.93	2.27	11.75	1486.40	10.70	3.17	674.86
2/13/15 13:55	134.10	2.28	11.75	1477.59	10.70	3.33	683.67
2/13/15 13:55	134.27	2.28	11.75	1468.56	10.70	3.50	692.70
2/13/15 13:55	134.43	2.27	11.75	1459.58	10.70	3.67	701.68
2/13/15 13:55	134.60	2.27	11.72	1450.81	10.70	3.83	710.45
2/13/15 13:56	134.77	2.28	11.72	1441.85	10.60	4.00	719.41
2/13/15 13:56	134.93	2.28	11.72	1432.87	10.60	4.17	728.39
2/13/15 13:56	135.10	2.28	11.72	1424.33	10.60	4.33	736.94
2/13/15 13:56	135.27	2.27	11.70	1415.73	10.60	4.50	745.54
2/13/15 13:56	135.43	2.28	11.70	1406.86	10.60	4.67	754.41
2/13/15 13:56	135.60	2.27	11.70	1398.47	10.60	4.83	762.79
2/13/15 13:57	135.77	2.27	11.67	1390.32	10.60	5.00	770.94
2/13/15 13:57	135.93	2.28	11.67	1382.51	10.60	5.17	778.76
2/13/15 13:57	136.10	2.27	11.67	1374.30	10.60	5.33	786.96
2/13/15 13:57	136.27	2.27	11.65	1366.33	10.60	5.50	794.93
2/13/15 13:57	136.43	2.27	11.65	1358.49	10.60	5.67	802.77
2/13/15 13:57	136.60	2.28	11.65	1350.51	10.50	5.83	810.75
2/13/15 13:58	136.77	2.27	11.65	1342.60	10.50	6.00	818.67
2/13/15 13:58	136.93	2.27	11.65	1334.87	10.50	6.17	826.39
2/13/15 13:58	137.10	2.27	11.62	1327.08	10.50	6.33	834.18
2/13/15 13:58	137.27	2.27	11.62	1319.46	10.50	6.50	841.80
2/13/15 13:58	137.43	2.28	11.62	1312.30	10.50	6.67	848.96
2/13/15 13:58	137.60	2.27	11.57	1304.78	10.50	6.83	856.48
2/13/15 13:59	137.77	2.27	11.60	1297.44	10.50	7.00	863.82
2/13/15 13:59	137.93	2.27	11.55	1290.32	10.50	7.17	870.94
2/13/15 13:59	138.10	2.28	11.55	1283.11	10.50	7.33	878.15
2/13/15 13:59	138.27	2.27	11.55	1276.14	10.50	7.50	885.12
2/13/15 13:59	138.43	2.27	11.55	1269.33	10.40	7.67	891.93
2/13/15 13:59	138.60	2.27	11.55	1262.37	10.40	7.83	898.90
2/13/15 14:00	138.77	2.27	11.50	1255.58	10.40	8.00	905.68
2/13/15 14:00	138.93	2.27	11.50	1248.63	10.40	8.17	912.63
2/13/15 14:00	139.10	2.27	11.50	1241.99	10.40	8.33	919.27
2/13/15 14:00	139.27	2.27	11.50	1235.07	10.40	8.50	926.19
2/13/15 14:00	139.43	2.27	11.47	1228.29	10.40	8.67	932.97
2/13/15 14:00	139.60	2.27	11.47	1221.53	10.30	8.83	939.74
2/13/15 14:01	139.77	2.27	11.45	1215.23	10.30	9.00	946.03
2/13/15 14:01	139.93	2.27	11.47	1208.91	10.30	9.17	952.35
2/13/15 14:01	140.10	2.27	11.42	1202.36	10.30	9.33	958.90
2/13/15 14:01	140.27	2.27	11.45	1196.30	10.30	9.50	964.96
2/13/15 14:01	140.43	2.27	11.42	1190.73	10.20	9.67	970.53
2/13/15 14:01	140.60	2.27	11.37	1184.66	10.20	9.83	976.60
2/13/15 14:02	140.77	2.27	11.42	1178.78	10.20	10.00	982.48
2/13/15 14:02	140.93	2.27	11.42	1173.14	10.10	10.17	988.12
2/13/15 14:02	141.10	2.27	11.42	1167.05	10.10	10.33	994.21
2/13/15 14:02	141.27	2.27	11.42	1160.85	10.10	10.50	1000.41
2/13/15 14:02	141.43	2.27	11.37	1154.92	10.00	10.67	1006.34
2/13/15 14:02	141.60	2.27	11.35	1149.31	9.99	10.83	1011.95
2/13/15 14:03	141.77	2.27	11.35	1143.69	9.97	11.00	1017.58
2/13/15 14:03	141.93	2.27	11.30	1137.81	9.92	11.17	1023.46
2/13/15 14:03	142.10	2.27	11.35	1132.29	9.89	11.33	1028.97
2/13/15 14:03	142.27	2.27	11.32	1126.67	9.84	11.50	1034.59
2/13/15 14:03	142.43	2.27	11.32	1121.00	9.82	11.67	1040.26
2/13/15 14:03	142.60	2.27	11.30	1115.25	9.79	11.83	1046.02
2/13/15 14:04	142.77	2.27	11.30	1109.83	9.77	12.00	1051.43
2/13/15 14:04	142.93	2.27	11.30	1104.33	9.74	12.17	1056.94
2/13/15 14:04	143.10	2.27	11.30	1099.05	9.72	12.33	1062.21
2/13/15 14:04	143.27	2.27	11.27	1093.85	9.72	12.50	1067.41
2/13/15 14:04	143.43	2.27	11.27	1088.65	9.69	12.67	1072.61
2/13/15 14:04	143.60	2.27	11.27	1083.54	9.69	12.83	1077.73
2/13/15 14:05	143.77	2.27	11.27	1078.35	9.67	13.00	1082.91

Appendix 5.1, CPC14-3 Falling Head Test 3587 to 3857 ft MD bgs, 13 February 2015

Date/Time	Time (min)	Battery (V)	Temp (°C)	Reading (ft)	Sensor Tmp (°C)	Recovery (min)	DTW (vert. ft)
2/13/15 14:05	143.93	2.27	11.27	1073.39	9.67	13.17	1087.87
2/13/15 14:05	144.10	2.27	11.25	1068.26	9.67	13.33	1093.00
2/13/15 14:05	144.27	2.27	11.25	1063.24	9.67	13.50	1098.02
2/13/15 14:05	144.43	2.27	11.22	1058.44	9.67	13.67	1102.82
2/13/15 14:05	144.60	2.27	11.20	1053.47	9.69	13.83	1107.79
2/13/15 14:06	144.77	2.27	11.20	1048.78	9.69	14.00	1112.49
2/13/15 14:06	144.93	2.27	11.20	1044.08	9.69	14.17	1117.18
2/13/15 14:06	145.10	2.27	11.17	1039.85	9.72	14.33	1121.41
2/13/15 14:06	145.27	2.27	11.20	1035.47	9.72	14.50	1125.79
2/13/15 14:06	145.43	2.27	11.14	1031.12	9.74	14.67	1130.14
2/13/15 14:06	145.60	2.26	11.14	1026.42	9.74	14.83	1134.84
2/13/15 14:07	145.77	2.27	11.17	1021.64	9.77	15.00	1139.62
2/13/15 14:07	145.93	2.27	11.14	1017.39	9.77	15.17	1143.87
2/13/15 14:07	146.10	2.27	11.14	1013.56	9.77	15.33	1147.70
2/13/15 14:07	146.27	2.26	11.12	1008.96	9.79	15.50	1152.30
2/13/15 14:07	146.43	2.27	11.07	1004.68	9.79	15.67	1156.58
2/13/15 14:07	146.60	2.27	11.09	1000.38	9.82	15.83	1160.89
2/13/15 14:08	146.77	2.27	11.09	996.32	9.82	16.00	1164.94
2/13/15 14:08	146.93	2.27	11.07	992.29	9.84	16.17	1168.97
2/13/15 14:08	147.10	2.27	11.04	988.39	9.84	16.33	1172.88
2/13/15 14:08	147.27	2.27	11.02	984.24	9.84	16.50	1177.02
2/13/15 14:08	147.43	2.27	11.04	980.36	9.87	16.67	1180.91
2/13/15 14:08	147.60	2.26	11.02	976.53	9.87	16.83	1184.74
2/13/15 14:09	147.77	2.27	11.02	972.42	9.89	17.00	1188.85
2/13/15 14:09	147.93	2.27	11.02	968.76	9.92	17.17	1192.51
2/13/15 14:09	148.10	2.26	11.02	964.77	9.94	17.33	1196.49
2/13/15 14:09	148.27	2.26	11.02	960.89	9.94	17.50	1200.37
2/13/15 14:09	148.43	2.27	10.97	957.09	9.97	17.67	1204.17
2/13/15 14:09	148.60	2.27	10.99	953.47	10.00	17.83	1207.79
2/13/15 14:10	148.77	2.27	10.99	949.52	10.00	18.00	1211.74
2/13/15 14:10	148.93	2.27	10.99	946.03	10.10	18.17	1215.23
2/13/15 14:10	149.10	2.26	10.99	942.46	10.10	18.33	1218.80
2/13/15 14:10	149.27	2.26	10.97	938.74	10.10	18.50	1222.52
2/13/15 14:10	149.43	2.26	10.97	935.06	10.20	18.67	1226.20
2/13/15 14:10	149.60	2.26	10.94	931.25	10.20	18.83	1230.01
2/13/15 14:11	149.77	2.26	10.97	927.67	10.30	19.00	1233.59
2/13/15 14:11	149.93	2.27	10.97	924.32	10.30	19.17	1236.94
2/13/15 14:11	150.10	2.25	10.94	920.90	10.30	19.33	1240.36
2/13/15 14:11	150.27	2.26	10.94	917.81	10.40	19.50	1243.46
2/13/15 14:11	150.43	2.27	10.92	914.56	10.40	19.67	1246.70
2/13/15 14:11	150.60	2.27	10.89	911.61	10.50	19.83	1249.65
2/13/15 14:12	150.77	2.26	10.92	908.58	10.50	20.00	1252.69
2/13/15 14:12	150.93	2.27	10.92	905.46	10.60	20.17	1255.80
2/13/15 14:12	151.10	2.27	10.89	902.44	10.60	20.33	1258.82
2/13/15 14:12	151.27	2.27	10.89	899.55	10.70	20.50	1261.71
2/13/15 14:12	151.43	2.27	10.89	896.55	10.70	20.67	1264.71
2/13/15 14:12	151.60	2.27	10.89	893.66	10.70	20.83	1267.60
2/13/15 14:13	151.77	2.26	10.89	891.00	10.80	21.00	1270.27
2/13/15 14:13	151.93	2.26	10.89	887.97	10.80	21.17	1273.29
2/13/15 14:13	152.10	2.27	10.84	885.50	10.90	21.33	1275.76
2/13/15 14:13	152.27	2.27	10.87	882.77	10.90	21.50	1278.49
2/13/15 14:13	152.43	2.27	10.87	879.95	10.90	21.67	1281.31
2/13/15 14:13	152.60	2.27	10.84	877.08	11.00	21.83	1284.18
2/13/15 14:14	152.77	2.26	10.84	874.88	11.00	22.00	1286.39
2/13/15 14:14	152.93	2.27	10.84	872.05	11.00	22.17	1289.21
2/13/15 14:14	153.10	2.26	10.84	869.44	11.10	22.33	1291.82
2/13/15 14:14	153.27	2.26	10.82	866.87	11.10	22.50	1294.39
2/13/15 14:14	153.43	2.27	10.82	864.14	11.10	22.67	1297.12
2/13/15 14:14	153.60	2.26	10.77	861.58	11.20	22.83	1299.68
2/13/15 14:15	153.77	2.27	10.74	859.31	11.20	23.00	1301.95
2/13/15 14:15	153.93	2.27	10.77	856.84	11.20	23.17	1304.43
2/13/15 14:15	154.10	2.27	10.74	854.32	11.20	23.33	1306.94
2/13/15 14:15	154.27	2.26	10.72	851.97	11.20	23.50	1309.29
2/13/15 14:15	154.43	2.27	10.67	849.48	11.30	23.67	1311.78
2/13/15 14:15	154.60	2.26	10.64	847.34	11.30	23.83	1313.92
2/13/15 14:16	154.77	2.27	10.67	844.86	11.30	24.00	1316.41
2/13/15 14:16	154.93	2.26	10.67	842.64	11.30	24.17	1318.62
2/13/15 14:16	155.10	2.26	10.57	840.24	11.30	24.33	1321.02
2/13/15 14:16	155.27	2.26	10.59	838.03	11.40	24.50	1323.23
2/13/15 14:16	155.43	2.26	10.49	835.57	11.40	24.67	1325.69
2/13/15 14:16	155.60	2.26	10.52	833.45	11.40	24.83	1327.81
2/13/15 14:17	155.77	2.26	10.52	831.30	11.40	25.00	1329.96

Appendix 5.1, CPC14-3 Falling Head Test 3587 to 3857 ft MD bgs, 13 February 2015

Date/Time	Time (min)	Battery (V)	Temp (°C)	Reading (ft)	Sensor Tmp (°C)	Recovery (min)	DTW (vert. ft)
2/13/15 14:17	155.93	2.27	10.52	828.98	11.40	25.17	1332.28
2/13/15 14:17	156.10	2.26	10.54	827.01	11.40	25.33	1334.25
2/13/15 14:17	156.27	2.26	10.52	824.63	11.40	25.50	1336.63
2/13/15 14:17	156.43	2.26	10.52	822.82	11.40	25.67	1338.44
2/13/15 14:17	156.60	2.26	10.52	820.54	11.50	25.83	1340.72
2/13/15 14:18	156.77	2.26	10.49	818.45	11.50	26.00	1342.81
2/13/15 14:18	156.93	2.26	10.47	816.88	11.50	26.17	1344.38
2/13/15 14:18	157.10	2.26	10.49	814.85	11.50	26.33	1346.41
2/13/15 14:18	157.27	2.26	10.47	812.76	11.50	26.50	1348.50
2/13/15 14:18	157.43	2.26	10.47	810.67	11.50	26.67	1350.59
2/13/15 14:18	157.60	2.26	10.47	809.11	11.50	26.83	1352.16
2/13/15 14:19	157.77	2.26	10.44	807.20	11.50	27.00	1354.06
2/13/15 14:19	157.93	2.26	10.44	805.11	11.50	27.17	1356.15
2/13/15 14:19	158.10	2.25	10.44	803.17	11.60	27.33	1358.09
2/13/15 14:19	158.27	2.26	10.39	801.17	11.60	27.50	1360.09
2/13/15 14:19	158.43	2.26	10.39	799.33	11.60	27.67	1361.93
2/13/15 14:19	158.60	2.26	10.39	797.43	11.60	27.83	1363.83
2/13/15 14:20	158.77	2.26	10.42	795.96	11.60	28.00	1365.30
2/13/15 14:20	158.93	2.26	10.39	794.03	11.60	28.17	1367.24
2/13/15 14:20	159.10	2.26	10.39	792.06	11.60	28.33	1369.20
2/13/15 14:20	159.27	2.26	10.39	789.94	11.60	28.50	1371.33
2/13/15 14:20	159.43	2.26	10.39	788.28	11.60	28.67	1372.99
2/13/15 14:20	159.60	2.26	10.39	786.73	11.60	28.83	1374.53
2/13/15 14:21	159.77	2.25	10.34	785.18	11.60	29.00	1376.08
2/13/15 14:21	159.93	2.26	10.37	783.90	11.60	29.17	1377.36
2/13/15 14:21	160.10	2.26	10.37	782.24	11.70	29.33	1379.02
2/13/15 14:21	160.27	2.26	10.34	780.67	11.70	29.50	1380.59
2/13/15 14:21	160.43	2.26	10.37	779.08	11.70	29.67	1382.18
2/13/15 14:21	160.60	2.26	10.32	777.09	11.70	29.83	1384.17
2/13/15 14:22	160.77	2.25	10.34	775.55	11.70	30.00	1385.71
2/13/15 14:22	160.93	2.27	10.29	773.94	11.70	30.17	1387.32
2/13/15 14:22	161.10	2.25	10.32	772.53	11.70	30.33	1388.73
2/13/15 14:22	161.27	2.26	10.32	771.00	11.70	30.50	1390.27
2/13/15 14:22	161.43	2.25	10.32	769.57	11.70	30.67	1391.69
2/13/15 14:22	161.60	2.26	10.29	768.10	11.70	30.83	1393.16
2/13/15 14:23	161.77	2.26	10.29	766.32	11.70	31.00	1394.94
2/13/15 14:23	161.93	2.26	10.29	764.95	11.70	31.17	1396.32
2/13/15 14:23	162.10	2.26	10.27	763.42	11.70	31.33	1397.84
2/13/15 14:23	162.27	2.26	10.27	761.95	11.70	31.50	1399.31
2/13/15 14:23	162.43	2.26	10.27	760.47	11.70	31.67	1400.79
2/13/15 14:23	162.60	2.26	10.27	758.95	11.80	31.83	1402.32
2/13/15 14:24	162.77	2.26	10.27	757.41	11.80	32.00	1403.86
2/13/15 14:24	162.93	2.25	10.27	756.09	11.80	32.17	1405.17
2/13/15 14:24	163.10	2.25	10.27	755.05	11.80	32.33	1406.22
2/13/15 14:24	163.27	2.26	10.24	753.13	11.80	32.50	1408.13
2/13/15 14:24	163.43	2.26	10.24	752.17	11.80	32.67	1409.09
2/13/15 14:24	163.60	2.26	10.24	750.62	11.80	32.83	1410.64
2/13/15 14:25	163.77	2.25	10.22	749.33	11.80	33.00	1411.93
2/13/15 14:25	163.93	2.26	10.24	748.19	11.80	33.17	1413.07
2/13/15 14:25	164.10	2.26	10.22	746.71	11.80	33.33	1414.56
2/13/15 14:25	164.27	2.25	10.22	745.47	11.80	33.50	1415.80
2/13/15 14:25	164.43	2.25	10.22	744.31	11.80	33.67	1416.96
2/13/15 14:25	164.60	2.26	10.19	743.33	11.80	33.83	1417.93
2/13/15 14:26	164.77	2.25	10.19	741.54	11.80	34.00	1419.73
2/13/15 14:26	164.93	2.25	10.19	740.61	11.80	34.17	1420.65
2/13/15 14:26	165.10	2.25	10.19	739.29	11.80	34.33	1421.97
2/13/15 14:26	165.27	2.26	10.17	738.17	11.80	34.50	1423.09
2/13/15 14:26	165.43	2.25	10.17	736.72	11.90	34.67	1424.55
2/13/15 14:26	165.60	2.25	10.17	735.63	11.90	34.83	1425.63
2/13/15 14:27	165.77	2.26	10.14	734.75	11.90	35.00	1426.51
2/13/15 14:27	165.93	2.25	10.17	733.32	11.90	35.17	1427.94
2/13/15 14:27	166.10	2.26	10.14	732.08	11.90	35.33	1429.18
2/13/15 14:27	166.27	2.26	10.14	730.75	11.90	35.50	1430.51
2/13/15 14:27	166.43	2.26	10.14	729.78	11.90	35.67	1431.48
2/13/15 14:27	166.60	2.25	10.12	728.22	11.90	35.83	1433.05
2/13/15 14:28	166.77	2.25	10.14	727.16	11.90	36.00	1434.10
2/13/15 14:28	166.93	2.26	10.12	726.04	11.90	36.17	1435.23
2/13/15 14:28	167.10	2.26	10.09	724.55	11.90	36.33	1436.71
2/13/15 14:28	167.27	2.25	10.12	723.66	11.90	36.50	1437.60
2/13/15 14:28	167.43	2.26	10.09	722.33	11.90	36.67	1438.93
2/13/15 14:28	167.60	2.24	10.07	721.40	11.90	36.83	1439.86
2/13/15 14:29	167.77	2.25	10.09	720.57	11.90	37.00	1440.69

Appendix 5.1, CPC14-3 Falling Head Test 3587 to 3857 ft MD bgs, 13 February 2015

Date/Time	Time (min)	Battery (V)	Temp (°C)	Reading (ft)	Sensor Tmp (°C)	Recovery (min)	DTW (vert, ft)
2/13/15 14:29	167.93	2.25	10.07	719.46	11.90	37.17	1441.80
2/13/15 14:29	168.10	2.25	10.09	718.34	12.00	37.33	1442.92
2/13/15 14:29	168.27	2.25	10.04	717.13	12.00	37.50	1444.13
2/13/15 14:29	168.43	2.26	10.04	716.26	12.00	37.67	1445.00
2/13/15 14:29	168.60	2.25	10.04	715.19	12.00	37.83	1446.08
2/13/15 14:30	168.77	2.25	10.04	714.02	12.00	38.00	1447.25
2/13/15 14:30	168.93	2.26	10.04	713.10	12.00	38.17	1448.16
2/13/15 14:30	169.10	2.26	10.02	712.03	12.00	38.33	1449.24
2/13/15 14:30	169.27	2.25	10.02	710.75	12.00	38.50	1450.51
2/13/15 14:30	169.43	2.26	10.02	710.38	12.00	38.67	1450.88
2/13/15 14:30	169.60	2.25	9.99	709.24	12.00	38.83	1452.02
2/13/15 14:31	169.77	2.25	9.99	708.33	12.00	39.00	1452.93
2/13/15 14:31	169.93	2.26	9.94	706.99	12.00	39.17	1454.28
2/13/15 14:31	170.10	2.25	9.97	705.97	12.10	39.33	1455.29
2/13/15 14:31	170.27	2.26	9.97	705.26	12.10	39.50	1456.00
2/13/15 14:31	170.43	2.25	9.97	704.13	12.10	39.67	1457.13
2/13/15 14:31	170.60	2.25	9.94	703.46	12.10	39.83	1457.80
2/13/15 14:32	170.77	2.24	9.94	702.29	12.10	40.00	1458.97
2/13/15 14:32	170.93	2.25	9.92	701.46	12.10	40.17	1459.80
2/13/15 14:32	171.10	2.25	9.92	700.09	12.10	40.33	1461.17
2/13/15 14:32	171.27	2.25	9.92	699.62	12.10	40.50	1461.64
2/13/15 14:32	171.43	2.25	9.89	698.67	12.10	40.67	1462.59
2/13/15 14:32	171.60	2.26	9.92	697.56	12.10	40.83	1463.70
2/13/15 14:33	171.77	2.24	9.92	696.77	12.10	41.00	1464.49
2/13/15 14:33	171.93	2.25	9.89	696.01	12.10	41.17	1465.25
2/13/15 14:33	172.10	2.25	9.89	694.94	12.10	41.33	1466.32
2/13/15 14:33	172.27	2.25	9.87	694.02	12.10	41.50	1467.24
2/13/15 14:33	172.43	2.24	9.87	693.20	12.20	41.67	1468.06
2/13/15 14:33	172.60	2.25	9.87	692.38	12.20	41.83	1468.89
2/13/15 14:34	172.77	2.25	9.84	691.36	12.20	42.00	1469.90
2/13/15 14:34	172.93	2.25	9.84	690.51	12.20	42.17	1470.75
2/13/15 14:34	173.10	2.25	9.84	689.55	12.20	42.33	1471.71
2/13/15 14:34	173.27	2.25	9.84	688.81	12.20	42.50	1472.45
2/13/15 14:34	173.43	2.25	9.82	687.75	12.20	42.67	1473.51
2/13/15 14:34	173.60	2.26	9.82	686.97	12.20	42.83	1474.30
2/13/15 14:35	173.77	2.25	9.79	686.29	12.20	43.00	1474.97
2/13/15 14:35	173.93	2.25	9.79	685.48	12.20	43.17	1475.79
2/13/15 14:35	174.10	2.25	9.79	684.75	12.20	43.33	1476.52
2/13/15 14:35	174.27	2.26	9.74	683.86	12.20	43.50	1477.40
2/13/15 14:35	174.43	2.25	9.69	682.89	12.20	43.67	1478.37
2/13/15 14:35	174.60	2.25	9.69	682.03	12.30	43.83	1479.24
2/13/15 14:36	174.77	2.25	9.69	681.26	12.30	44.00	1480.00
2/13/15 14:36	174.93	2.25	9.72	680.23	12.30	44.17	1481.03
2/13/15 14:36	175.10	2.26	9.69	679.56	12.30	44.33	1481.70
2/13/15 14:36	175.27	2.25	9.69	678.72	12.30	44.50	1482.54
2/13/15 14:36	175.43	2.25	9.67	678.12	12.30	44.67	1483.14
2/13/15 14:36	175.60	2.25	9.67	677.22	12.30	44.83	1484.04
2/13/15 14:37	175.77	2.25	9.67	676.51	12.30	45.00	1484.75
2/13/15 14:37	175.93	2.25	9.65	675.82	12.30	45.17	1485.44
2/13/15 14:37	176.10	2.24	9.65	675.16	12.30	45.33	1486.11
2/13/15 14:37	176.27	2.24	9.65	674.11	12.30	45.50	1487.16
2/13/15 14:37	176.43	2.24	9.65	673.30	12.40	45.67	1487.96
2/13/15 14:37	176.60	2.24	9.65	672.67	12.40	45.83	1488.59
2/13/15 14:38	176.77	2.25	9.62	671.52	12.40	46.00	1489.74
2/13/15 14:38	176.93	2.24	9.62	670.97	12.40	46.17	1490.29
2/13/15 14:38	177.10	2.25	9.62	669.98	12.40	46.33	1491.28
2/13/15 14:38	177.27	2.25	9.62	669.55	12.40	46.50	1491.71
2/13/15 14:38	177.43	2.24	9.60	668.66	12.40	46.67	1492.60
2/13/15 14:38	177.60	2.24	9.60	668.05	12.40	46.83	1493.21
2/13/15 14:39	177.77	2.24	9.60	667.30	12.40	47.00	1493.97
2/13/15 14:39	177.93	2.24	9.60	666.48	12.40	47.17	1494.78
2/13/15 14:39	178.10	2.25	9.60	665.61	12.40	47.33	1495.65
2/13/15 14:39	178.27	2.24	9.55	664.59	12.40	47.50	1496.67
2/13/15 14:39	178.43	2.25	9.55	663.88	12.50	47.67	1497.38
2/13/15 14:39	178.60	2.25	9.55	663.31	12.50	47.83	1497.96
2/13/15 14:40	178.77	2.24	9.55	662.45	12.50	48.00	1498.81
2/13/15 14:40	178.93	2.25	9.55	661.83	12.50	48.17	1499.43
2/13/15 14:40	179.10	2.25	9.50	661.03	12.50	48.33	1500.23
2/13/15 14:40	179.27	2.24	9.50	660.35	12.50	48.50	1500.91
2/13/15 14:40	179.43	2.25	9.50	659.54	12.50	48.67	1501.72
2/13/15 14:40	179.60	2.24	9.50	658.92	12.50	48.83	1502.35
2/13/15 14:41	179.77	2.24	9.50	658.22	12.50	49.00	1503.04

Appendix 5.1, CPC14-3 Falling Head Test 3587 to 3857 ft MD bgs, 13 February 2015

Date/Time	Time (min)	Battery (V)	Temp (°C)	Reading (ft)	Sensor Tmp (°C)	Recovery (min)	DTW (vert, ft)
2/13/15 14:41	179.93	2.25	9.50	657.47	12.50	49.17	1503.80
2/13/15 14:41	180.10	2.26	9.45	656.89	12.60	49.33	1504.38
2/13/15 14:41	180.27	2.25	9.45	656.17	12.60	49.50	1505.09
2/13/15 14:41	180.43	2.25	9.45	655.63	12.60	49.67	1505.63
2/13/15 14:41	180.60	2.25	9.45	654.70	12.60	49.83	1506.56
2/13/15 14:42	180.77	2.25	9.42	653.95	12.60	50.00	1507.31
2/13/15 14:42	180.93	2.25	9.42	653.26	12.60	50.17	1508.00
2/13/15 14:42	181.10	2.26	9.42	652.70	12.60	50.33	1508.57
2/13/15 14:42	181.27	2.25	9.42	652.09	12.60	50.50	1509.17
2/13/15 14:42	181.43	2.25	9.42	651.43	12.60	50.67	1509.83
2/13/15 14:42	181.60	2.24	9.40	650.78	12.60	50.83	1510.48
2/13/15 14:43	181.77	2.24	9.37	650.40	12.70	51.00	1510.87
2/13/15 14:43	181.93	2.24	9.40	649.68	12.70	51.17	1511.59
2/13/15 14:43	182.10	2.24	9.40	649.02	12.70	51.33	1512.24
2/13/15 14:43	182.27	2.24	9.40	648.64	12.70	51.50	1512.62
2/13/15 14:43	182.43	2.25	9.37	648.18	12.70	51.67	1513.08
2/13/15 14:43	182.60	2.24	9.37	647.48	12.70	51.83	1513.78
2/13/15 14:44	182.77	2.23	9.37	646.89	12.70	52.00	1514.38
2/13/15 14:44	182.93	2.24	9.37	646.21	12.70	52.17	1515.05
2/13/15 14:44	183.10	2.25	9.37	645.96	12.70	52.33	1515.30
2/13/15 14:44	183.27	2.24	9.35	645.19	12.80	52.50	1516.07
2/13/15 14:44	183.43	2.24	9.35	644.77	12.80	52.67	1516.50
2/13/15 14:44	183.60	2.23	9.35	644.50	12.80	52.83	1516.76
2/13/15 14:45	183.77	2.24	9.35	643.74	12.80	53.00	1517.53
2/13/15 14:45	183.93	2.24	9.32	643.29	12.80	53.17	1517.97
2/13/15 14:45	184.10	2.25	9.30	642.49	12.80	53.33	1518.77
2/13/15 14:45	184.27	2.24	9.32	642.32	12.80	53.50	1518.95
2/13/15 14:45	184.43	2.25	9.32	641.53	12.80	53.67	1519.73
2/13/15 14:45	184.60	2.24	9.30	640.94	12.80	53.83	1520.32
2/13/15 14:46	184.77	2.24	9.30	640.76	12.80	54.00	1520.50
2/13/15 14:46	184.93	2.24	9.30	640.04	12.90	54.17	1521.23
2/13/15 14:46	185.10	2.24	9.30	639.52	12.90	54.33	1521.75
2/13/15 14:46	185.27	2.25	9.30	639.32	12.90	54.50	1521.95
2/13/15 14:46	185.43	2.24	9.27	638.44	12.90	54.67	1522.82
2/13/15 14:46	185.60	2.24	9.27	637.68	12.90	54.83	1523.58
2/13/15 14:47	185.77	2.24	9.27	637.43	12.90	55.00	1523.83
2/13/15 14:47	185.93	2.24	9.25	636.72	12.90	55.17	1524.54
2/13/15 14:47	186.10	2.24	9.22	635.98	12.90	55.33	1525.28
2/13/15 14:47	186.27	2.24	9.22	635.66	12.90	55.50	1525.60
2/13/15 14:47	186.43	2.24	9.22	635.13	12.90	55.67	1526.14
2/13/15 14:47	186.60	2.24	9.17	634.42	13.00	55.83	1526.84
2/13/15 14:48	186.77	2.24	9.17	633.86	13.00	56.00	1527.40
2/13/15 14:48	186.93	2.23	9.15	633.43	13.00	56.17	1527.83
2/13/15 14:48	187.10	2.23	9.15	632.68	13.00	56.33	1528.58
2/13/15 14:48	187.27	2.25	9.15	631.88	13.00	56.50	1529.39
2/13/15 14:48	187.43	2.24	9.12	631.96	13.00	56.67	1529.30
2/13/15 14:48	187.60	2.24	9.12	631.02	13.00	56.83	1530.24
2/13/15 14:49	187.77	2.24	9.12	630.34	13.00	57.00	1530.93
2/13/15 14:49	187.93	2.25	9.12	630.36	13.00	57.17	1530.90
2/13/15 14:49	188.10	2.24	9.12	629.42	13.00	57.33	1531.84
2/13/15 14:49	188.27	2.25	9.12	628.97	13.10	57.50	1532.29
2/13/15 14:49	188.43	2.23	9.10	628.61	13.10	57.67	1532.65
2/13/15 14:49	188.60	2.25	9.10	627.81	13.10	57.83	1533.45
2/13/15 14:50	188.77	2.24	9.10	627.24	13.10	58.00	1534.03
2/13/15 14:50	188.93	2.23	9.07	626.69	13.10	58.17	1534.57
2/13/15 14:50	189.10	2.24	9.07	626.07	13.10	58.33	1535.19
2/13/15 14:50	189.27	2.23	9.07	625.68	13.10	58.50	1535.58
2/13/15 14:50	189.43	2.24	9.07	625.18	13.10	58.67	1536.08
2/13/15 14:50	189.60	2.24	9.07	624.58	13.10	58.83	1536.68
2/13/15 14:51	189.77	2.24	9.05	624.11	13.10	59.00	1537.15
2/13/15 14:51	189.93	2.23	9.07	623.71	13.10	59.17	1537.56
2/13/15 14:51	190.10	2.24	9.05	622.98	13.20	59.33	1538.28
2/13/15 14:51	190.27	2.23	9.05	622.57	13.20	59.50	1538.69
2/13/15 14:51	190.43	2.24	9.05	621.75	13.20	59.67	1539.51
2/13/15 14:51	190.60	2.23	9.05	621.35	13.20	59.83	1539.91
2/13/15 14:52	190.77	2.24	9.05	620.96	13.20	60.00	1540.30
2/13/15 14:52	190.93	2.24	9.02	620.44	13.20	60.17	1540.82
2/13/15 14:52	191.10	2.24	9.02	619.59	13.20	60.33	1541.67
2/13/15 14:52	191.27	2.23	9.00	619.36	13.20	60.50	1541.91
2/13/15 14:52	191.43	2.24	8.97	618.80	13.20	60.67	1542.46
2/13/15 14:52	191.60	2.24	9.00	618.44	13.20	60.83	1542.82
2/13/15 14:53	191.77	2.25	9.00	617.66	13.20	61.00	1543.60

Appendix 5.1, CPC14-3 Falling Head Test 3587 to 3857 ft MD bgs, 13 February 2015

Date/Time	Time (min)	Battery (V)	Temp (°C)	Reading (ft)	Sensor Tmp (°C)	Recovery (min)	DTW (vert, ft)
2/13/15 14:53	191.93	2.24	9.00	617.34	13.20	61.17	1543.93
2/13/15 14:53	192.10	2.24	8.97	616.57	13.30	61.33	1544.69
2/13/15 14:53	192.27	2.24	8.97	616.08	13.30	61.50	1545.19
2/13/15 14:53	192.43	2.24	8.92	615.82	13.30	61.67	1545.44
2/13/15 14:53	192.60	2.23	8.95	615.21	13.30	61.83	1546.05
2/13/15 14:54	192.77	2.23	8.95	614.84	13.30	62.00	1546.42
2/13/15 14:54	192.93	2.24	8.95	614.23	13.30	62.17	1547.03
2/13/15 14:54	193.10	2.24	8.92	613.76	13.30	62.33	1547.50
2/13/15 14:54	193.27	2.24	8.95	613.28	13.30	62.50	1547.98
2/13/15 14:54	193.43	2.22	8.92	612.84	13.30	62.67	1548.42
2/13/15 14:54	193.60	2.23	8.92	612.24	13.30	62.83	1549.02
2/13/15 14:55	193.77	2.23	8.92	611.69	13.30	63.00	1549.57
2/13/15 14:55	193.93	2.23	8.90	611.26	13.30	63.17	1550.00
2/13/15 14:55	194.10	2.24	8.90	610.63	13.40	63.33	1550.63
2/13/15 14:55	194.27	2.24	8.90	610.38	13.40	63.50	1550.89
2/13/15 14:55	194.43	2.23	8.90	609.71	13.40	63.67	1551.55
2/13/15 14:55	194.60	2.24	8.90	609.28	13.40	63.83	1551.98
2/13/15 14:56	194.77	2.23	8.87	608.87	13.40	64.00	1552.39
2/13/15 14:56	194.93	2.23	8.87	608.37	13.40	64.17	1552.89
2/13/15 14:56	195.10	2.24	8.87	607.87	13.40	64.33	1553.39
2/13/15 14:56	195.27	2.22	8.87	607.43	13.40	64.50	1553.84
2/13/15 14:56	195.43	2.25	8.85	607.05	13.40	64.67	1554.21
2/13/15 14:56	195.60	2.21	8.85	606.54	13.40	64.83	1554.73
Sensor install length (top rods)	2499.36	Bit length	3587	Injection start:	12:10:40		
Sensor install length (BGL)	2496	Hole Length	3857	Injection End:	13:52:00		
Approx dip of hole	60	HQ	core point-3600	Total Volume Injected (gal)	1897.5		
Sensor install vertical depth	2161	NQ -	3600 to TD	*Not at constant rate*			

APPENDIX 5.2

CPC14-3 FHT #1 - 2268'-4368' DEPTH

C:\D:\pbox (ABC)_AB PROJECTS\1385_CCBV-UG15_Projects\1 Phase I_CPC14-3\6_Report10_Workbook\CP14-03_25-Final_kiv\AE2_FHT-2

FALLING HEAD TEST SIMULATION ANALYSIS

TEST

The falling head test comprises the following elements:

1. Water is introduced into the well riser, creating excess head in the well relative to the test formation.
2. The excess head causes flow from the wellbore to the formation, resulting in reduction of the water level in the
3. As the water drains out, the water level in the well follows an exponential decay over time towards the static level.

ANALYSIS

The rate that water drains out of the well is controlled by well geometry, and hydraulic conductivity of the formation material.

Consider the conditions at a time t:

E_t = water elevation in the well at time t

E_{stat} = static water level in well

Head (H) driving flow from the wellbore into the formation is:

$H = E_t - E_{stat}$ (1)

Radial flow from the well to the formation is (Theim 1870):

$Q = 2 \pi L K H / \ln(R/r')$ (2)

where:

Q = volumetric flow rate

L = test interval formation length

K = hydraulic conductivity of interval

H = excess head in well relative to formation

R = radius of influence of test

r^* = radius of well bore

Using well completion length L for the radius of influence and applying a form factor for anisotropy (Brown, 2014) gives:

$Q = 2 \alpha \pi L K H / \ln(L/r')$ (3)

where:

α = form factor = 1.12 for Kh/Kv = 0.1

α = form factor = 0.87 for Kh/Kv = 1

α = form factor = 0.61 for Kh/Kv = 10

Flow created by change of water level in the well over time is:

$Q = - \pi r^2 dH/dt$ (4)

where: r = radius of standpipe at the water surface

Equating Q in equation and equation produces:

$2 \alpha \pi L K H / \ln(L/r') = - \pi r^2 dH$ (5)

Rearranging equation produces:

$dH = - 2 \alpha L K / [r^2 \ln(L/r^*)] H dt$ (6)

Integrating over time and noting that H = Ho at t = 0 gives:

$H = H_o e^{-\beta t}$ (7)

where:

$\beta = 2 \alpha L K / [r^2 \ln(L/r^*)]$ (8)

Hydraulic conductivity is determined from equation (8):

$K = \beta r^2 \ln(L/r^*) / (2 \alpha L)$ (9)

ANALYSIS METHOD

The method of analysis comprises the following:

1. Fit the exponential curve to the falling head test varying:

Eo = starting water level elevation

Estat = static water level elevation

β = exponent
2. Compute formation hydraulic conductivity from eq. (9):

$K = \beta r^2 \ln(L/r^*) / (2 \alpha L)$

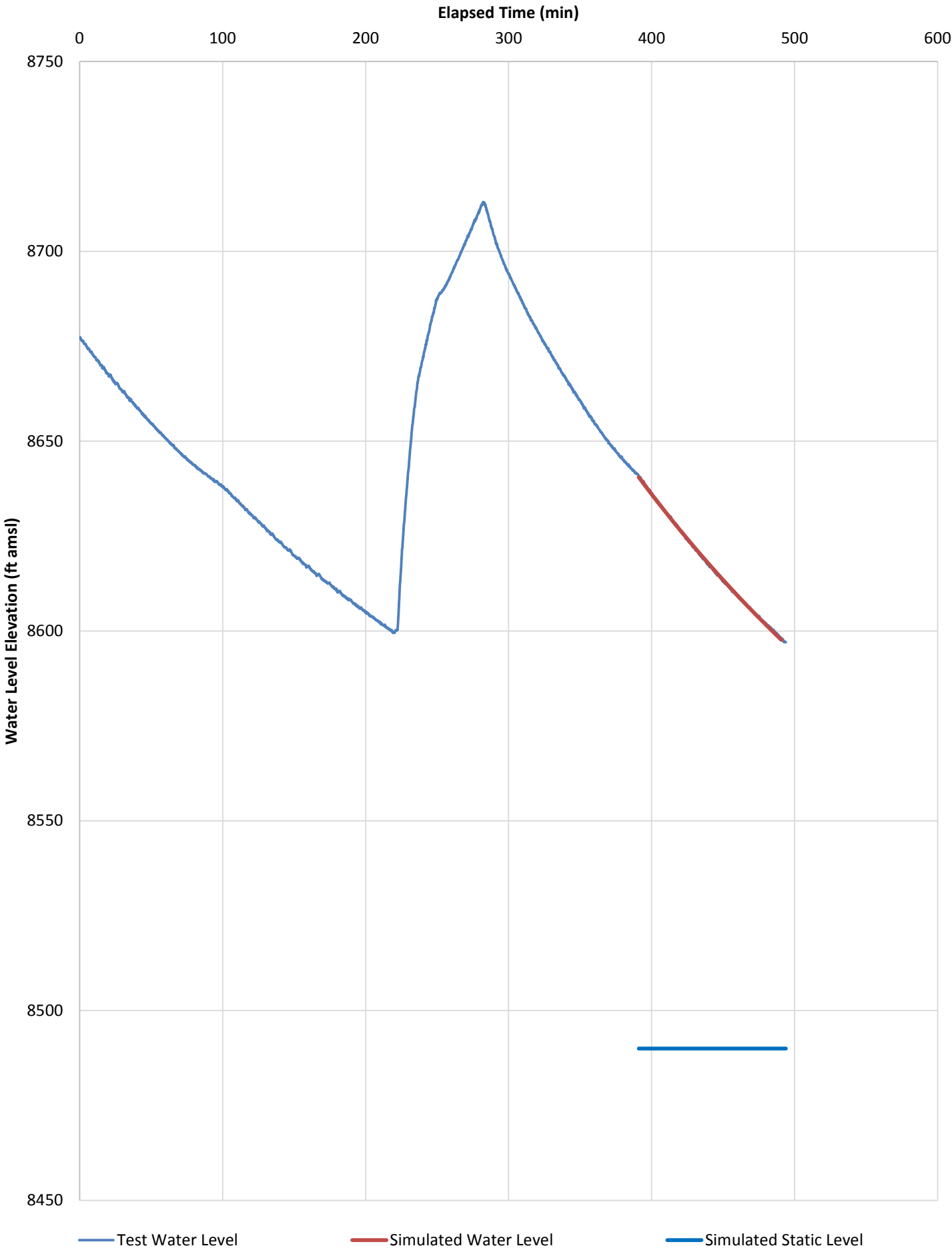
REFERENCES:

Thiem, A., 1870. *The yield of artesian wells, dug wells and filter galleries*. J. Gas Lighting Water Supply (Munich), vol.14

Brown A, 2014. *Reliable Packer Testing and Analysis*. 12th

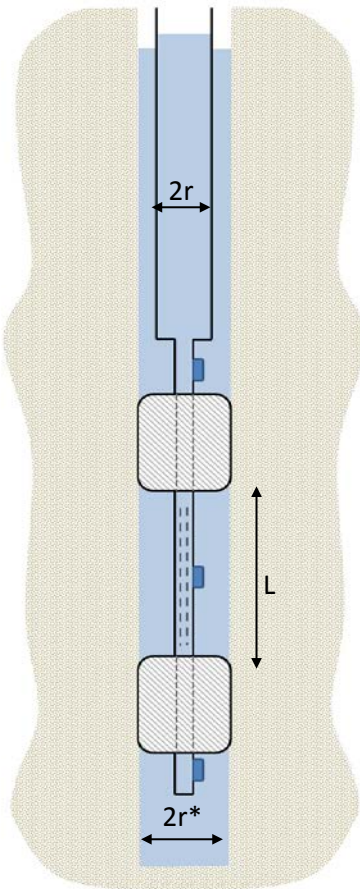
International Mine Water Association Congress, Xuzhou,

FALLING HEAD TEST RESULTS AND BEST-FIT SIMULATION



ANALYSIS OF HYDRAULIC CONDUCTIVITY

TEST INTERVAL GEOMETRY



Stem Radius (r)

ID of HQ (in) 3.06

r = (in) 1.53

Inclination (°) -61.18

r (in) (sloping) 1.75

Well Radius (r*)

OD of NQ^[1] (in) 2.965

r* = (in) 1.48

Test Interval (L)

Top depth (ft) 2268

Bottom dep (ft) 4368

L (ft) 2100

Note [1]:

The upper half of the test section is HQ and the balance is NQ. An average bit radius for the two is used.

BEST FIT TO FALLING HEAD TEST DATA

Parameter	Unit	Early Time	Late Time
E(start)	ft	8711	8641
E(static)	ft	8604.95	8490
β (exponent)	/min	0.0100	0.0034
t(start)	min	284.00	391.00
t(end)	min	384.00	491.00
Sum of Error	ft	0.00	0.00
RMS of Error	ft	0.74	0.26

COMPUTATION OF HYDRAULIC CONDUCTIVITY

$K = \beta r^2 \ln(L/r^*) / (2 \alpha L)$

Parameter	Unit	Early Time	Late Time
β (exponent)	/min	0.0619	0.0609
r (stem radius)	ft	0.146	0.146
L (test interval)	ft	2100	2100
r* (well radius)	ft	0.124	0.124
α (form factor)	--	0.87	0.87
K (hyd.cond.)	ft/min	3.5E-06	3.4E-06
	cm/sec	1.8E-06	1.7E-06



Scale: As shown

Drawn: A.Brown

Date: 2015-12-09

CPC14-3 - Deep Carbonate Borehole Report

APPENDIX 5.2

CPC14-3 FHT #2 - 2268'-4368' DEPTH

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 9:31	0.00	2.07	0.26	309.67	12.30	0.00	1632.87
2/27/15 9:31	0.18	2.07	0.34	309.65	12.30	0.00	1632.89
2/27/15 9:31	0.35	2.14	0.41	309.37	12.30	0.00	1633.17
2/27/15 9:31	0.52	2.07	0.46	309.53	12.30	0.00	1633.01
2/27/15 9:32	0.68	2.08	0.58	309.53	12.30	0.00	1633.01
2/27/15 9:32	0.85	2.14	0.60	309.12	12.30	0.00	1633.42
2/27/15 9:32	1.02	2.14	0.60	309.06	12.30	0.00	1633.48
2/27/15 9:32	1.18	2.09	0.55	308.89	12.30	0.00	1633.64
2/27/15 9:32	1.35	2.14	0.55	308.82	12.30	0.00	1633.72
2/27/15 9:32	1.52	2.14	0.55	308.72	12.30	0.00	1633.82
2/27/15 9:33	1.68	2.14	0.55	308.88	12.30	0.00	1633.66
2/27/15 9:33	1.85	2.14	0.55	308.82	12.30	0.00	1633.72
2/27/15 9:33	2.02	2.15	0.58	308.69	12.30	0.00	1633.85
2/27/15 9:33	2.18	2.15	0.60	308.51	12.30	0.00	1634.03
2/27/15 9:33	2.35	2.15	0.63	308.70	12.30	0.00	1633.84
2/27/15 9:33	2.52	2.15	0.60	308.66	12.30	0.00	1633.88
2/27/15 9:34	2.68	2.15	0.63	308.39	12.30	0.00	1634.15
2/27/15 9:34	2.85	2.15	0.63	308.17	12.30	0.00	1634.37
2/27/15 9:34	3.02	2.15	0.53	308.05	12.30	0.00	1634.49
2/27/15 9:34	3.18	2.15	0.65	307.93	12.30	0.00	1634.61
2/27/15 9:34	3.35	2.15	0.63	307.95	12.30	0.00	1634.59
2/27/15 9:34	3.52	2.15	0.60	307.91	12.30	0.00	1634.63
2/27/15 9:35	3.68	2.14	0.60	307.92	12.30	0.00	1634.62
2/27/15 9:35	3.85	2.15	0.68	307.97	12.30	0.00	1634.57
2/27/15 9:35	4.02	2.14	0.63	307.74	12.30	0.00	1634.80
2/27/15 9:35	4.18	2.15	0.65	307.63	12.30	0.00	1634.91
2/27/15 9:35	4.35	2.15	0.68	307.66	12.30	0.00	1634.88
2/27/15 9:35	4.52	2.15	0.70	307.39	12.30	0.00	1635.15
2/27/15 9:36	4.68	2.14	0.68	307.43	12.30	0.00	1635.10
2/27/15 9:36	4.85	2.14	0.72	307.25	12.30	0.00	1635.29
2/27/15 9:36	5.02	2.15	0.77	307.19	12.30	0.00	1635.35
2/27/15 9:36	5.18	2.15	0.75	307.01	12.30	0.00	1635.53
2/27/15 9:36	5.35	2.15	0.80	306.94	12.30	0.00	1635.60
2/27/15 9:36	5.52	2.14	0.80	306.87	12.30	0.00	1635.67
2/27/15 9:37	5.68	2.15	0.82	306.59	12.30	0.00	1635.95
2/27/15 9:37	5.85	2.15	0.82	306.83	12.30	0.00	1635.71
2/27/15 9:37	6.02	2.15	0.84	306.81	12.30	0.00	1635.73
2/27/15 9:37	6.18	2.10	0.92	306.55	12.30	0.00	1635.99
2/27/15 9:37	6.35	2.08	0.97	306.48	12.30	0.00	1636.06
2/27/15 9:37	6.52	2.14	1.06	306.55	12.30	0.00	1635.99
2/27/15 9:38	6.68	2.15	1.01	306.49	12.30	0.00	1636.05
2/27/15 9:38	6.85	2.14	0.99	306.42	12.30	0.00	1636.11
2/27/15 9:38	7.02	2.14	1.01	306.23	12.30	0.00	1636.31
2/27/15 9:38	7.18	2.15	0.99	305.87	12.30	0.00	1636.67
2/27/15 9:38	7.35	2.15	1.04	305.85	12.30	0.00	1636.69
2/27/15 9:38	7.52	2.14	1.04	305.76	12.30	0.00	1636.78
2/27/15 9:39	7.68	2.15	0.99	305.80	12.30	0.00	1636.74
2/27/15 9:39	7.85	2.14	0.99	305.85	12.30	0.00	1636.69
2/27/15 9:39	8.02	2.15	1.06	305.87	12.30	0.00	1636.67
2/27/15 9:39	8.18	2.15	1.04	305.59	12.30	0.00	1636.95
2/27/15 9:39	8.35	2.15	1.06	305.82	12.30	0.00	1636.71
2/27/15 9:39	8.52	2.15	1.06	305.34	12.30	0.00	1637.20
2/27/15 9:40	8.68	2.14	1.09	305.34	12.30	0.00	1637.20
2/27/15 9:40	8.85	2.14	1.16	305.32	12.30	0.00	1637.21
2/27/15 9:40	9.02	2.15	1.11	305.31	12.30	0.00	1637.23
2/27/15 9:40	9.18	2.14	1.16	305.14	12.30	0.00	1637.40
2/27/15 9:40	9.35	2.15	1.14	305.08	12.30	0.00	1637.46
2/27/15 9:40	9.52	2.15	1.23	304.88	12.30	0.00	1637.66
2/27/15 9:41	9.68	2.14	1.18	304.90	12.30	0.00	1637.64
2/27/15 9:41	9.85	2.15	1.18	304.64	12.30	0.00	1637.90
2/27/15 9:41	10.02	2.15	1.16	304.54	12.30	0.00	1638.00
2/27/15 9:41	10.18	2.14	1.21	304.58	12.30	0.00	1637.96
2/27/15 9:41	10.35	2.14	1.28	304.43	12.30	0.00	1638.11
2/27/15 9:41	10.52	2.14	1.31	304.44	12.30	0.00	1638.10
2/27/15 9:42	10.68	2.14	1.28	304.37	12.30	0.00	1638.16
2/27/15 9:42	10.85	2.15	1.28	304.46	12.30	0.00	1638.08
2/27/15 9:42	11.02	2.15	1.33	304.34	12.30	0.00	1638.20
2/27/15 9:42	11.18	2.15	1.28	304.32	12.30	0.00	1638.21
2/27/15 9:42	11.35	2.15	1.31	304.04	12.30	0.00	1638.50

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 9:42	11.52	2.15	1.31	303.75	12.30	0.00	1638.79
2/27/15 9:43	11.68	2.15	1.38	303.63	12.30	0.00	1638.90
2/27/15 9:43	11.85	2.15	1.40	303.59	12.30	0.00	1638.95
2/27/15 9:43	12.02	2.15	1.43	303.68	12.30	0.00	1638.86
2/27/15 9:43	12.18	2.15	1.45	303.55	12.30	0.00	1638.99
2/27/15 9:43	12.35	2.15	1.50	303.64	12.30	0.00	1638.90
2/27/15 9:43	12.52	2.15	1.52	303.72	12.30	0.00	1638.82
2/27/15 9:44	12.68	2.15	1.55	303.52	12.30	0.00	1639.02
2/27/15 9:44	12.85	2.15	1.60	303.43	12.30	0.00	1639.10
2/27/15 9:44	13.02	2.15	1.65	303.28	12.30	0.00	1639.25
2/27/15 9:44	13.18	2.15	1.67	303.41	12.30	0.00	1639.13
2/27/15 9:44	13.35	2.15	1.57	302.99	12.30	0.00	1639.54
2/27/15 9:44	13.52	2.15	1.65	303.16	12.30	0.00	1639.38
2/27/15 9:45	13.68	2.15	1.69	302.89	12.30	0.00	1639.64
2/27/15 9:45	13.85	2.15	1.72	302.98	12.30	0.00	1639.56
2/27/15 9:45	14.02	2.15	1.72	302.67	12.30	0.00	1639.87
2/27/15 9:45	14.18	2.15	1.77	302.50	12.30	0.00	1640.03
2/27/15 9:45	14.35	2.15	1.74	302.26	12.30	0.00	1640.28
2/27/15 9:45	14.52	2.15	1.82	302.28	12.30	0.00	1640.26
2/27/15 9:46	14.68	2.15	1.84	302.34	12.30	0.00	1640.19
2/27/15 9:46	14.85	2.15	1.86	302.29	12.30	0.00	1640.25
2/27/15 9:46	15.02	2.15	1.86	302.25	12.30	0.00	1640.29
2/27/15 9:46	15.18	2.15	1.89	302.24	12.30	0.00	1640.29
2/27/15 9:46	15.35	2.15	1.94	302.08	12.30	0.00	1640.46
2/27/15 9:46	15.52	2.15	1.91	302.27	12.30	0.00	1640.27
2/27/15 9:47	15.68	2.15	1.94	301.83	12.30	0.00	1640.71
2/27/15 9:47	15.85	2.15	1.89	301.49	12.30	0.00	1641.05
2/27/15 9:47	16.02	2.15	1.96	301.58	12.40	0.00	1640.96
2/27/15 9:47	16.18	2.15	1.96	301.40	12.40	0.00	1641.14
2/27/15 9:47	16.35	2.15	1.99	301.77	12.40	0.00	1640.77
2/27/15 9:47	16.52	2.15	2.01	301.60	12.40	0.00	1640.94
2/27/15 9:48	16.68	2.15	2.01	301.51	12.40	0.00	1641.03
2/27/15 9:48	16.85	2.15	2.08	301.83	12.40	0.00	1640.71
2/27/15 9:48	17.02	2.15	2.03	301.39	12.40	0.00	1641.15
2/27/15 9:48	17.18	2.15	2.08	301.26	12.40	0.00	1641.28
2/27/15 9:48	17.35	2.15	2.08	301.44	12.40	0.00	1641.10
2/27/15 9:48	17.52	2.15	2.11	301.18	12.40	0.00	1641.36
2/27/15 9:49	17.68	2.15	2.06	300.99	12.40	0.00	1641.55
2/27/15 9:49	17.85	2.15	2.13	301.11	12.40	0.00	1641.42
2/27/15 9:49	18.02	2.15	2.11	300.84	12.40	0.00	1641.70
2/27/15 9:49	18.18	2.15	2.11	300.91	12.40	0.00	1641.63
2/27/15 9:49	18.35	2.15	2.13	300.73	12.40	0.00	1641.81
2/27/15 9:49	18.52	2.15	2.18	300.28	12.40	0.00	1642.25
2/27/15 9:50	18.68	2.15	2.23	300.32	12.40	0.00	1642.22
2/27/15 9:50	18.85	2.15	2.20	300.18	12.40	0.00	1642.36
2/27/15 9:50	19.02	2.15	2.18	300.30	12.40	0.00	1642.24
2/27/15 9:50	19.18	2.15	2.20	300.17	12.40	0.00	1642.37
2/27/15 9:50	19.35	2.15	2.25	300.15	12.40	0.00	1642.39
2/27/15 9:50	19.52	2.15	2.25	300.06	12.40	0.00	1642.48
2/27/15 9:51	19.68	2.15	2.25	299.95	12.40	0.00	1642.58
2/27/15 9:51	19.85	2.15	2.30	299.99	12.40	0.00	1642.54
2/27/15 9:51	20.02	2.15	2.28	300.03	12.40	0.00	1642.51
2/27/15 9:51	20.18	2.15	2.25	299.93	12.40	0.00	1642.61
2/27/15 9:51	20.35	2.15	2.35	299.39	12.40	0.00	1643.15
2/27/15 9:51	20.52	2.15	2.30	299.47	12.40	0.00	1643.07
2/27/15 9:52	20.68	2.15	2.40	299.47	12.40	0.00	1643.07
2/27/15 9:52	20.85	2.15	2.42	299.33	12.40	0.00	1643.21
2/27/15 9:52	21.02	2.15	2.45	299.73	12.40	0.00	1642.81
2/27/15 9:52	21.18	2.15	2.45	299.31	12.40	0.00	1643.22
2/27/15 9:52	21.35	2.15	2.47	299.64	12.40	0.00	1642.90
2/27/15 9:52	21.52	2.15	2.50	299.80	12.40	0.00	1642.74
2/27/15 9:53	21.68	2.15	2.50	299.46	12.40	0.00	1643.07
2/27/15 9:53	21.85	2.15	2.52	299.63	12.40	0.00	1642.91
2/27/15 9:53	22.02	2.15	2.52	299.36	12.40	0.00	1643.18
2/27/15 9:53	22.18	2.15	2.55	299.08	12.40	0.00	1643.46
2/27/15 9:53	22.35	2.15	2.57	299.13	12.40	0.00	1643.41
2/27/15 9:53	22.52	2.15	2.59	298.82	12.40	0.00	1643.72
2/27/15 9:54	22.68	2.15	2.59	298.74	12.40	0.00	1643.80
2/27/15 9:54	22.85	2.15	2.62	298.75	12.40	0.00	1643.79

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 9:54	23.02	2.15	2.62	298.44	12.40	0.00	1644.09
2/27/15 9:54	23.18	2.15	2.64	298.31	12.40	0.00	1644.23
2/27/15 9:54	23.35	2.15	2.64	298.50	12.40	0.00	1644.04
2/27/15 9:54	23.52	2.15	2.67	298.11	12.40	0.00	1644.43
2/27/15 9:55	23.68	2.15	2.69	298.02	12.40	0.00	1644.52
2/27/15 9:55	23.85	2.15	2.69	298.14	12.40	0.00	1644.40
2/27/15 9:55	24.02	2.15	2.72	297.80	12.40	0.00	1644.74
2/27/15 9:55	24.18	2.15	2.72	298.09	12.40	0.00	1644.45
2/27/15 9:55	24.35	2.15	2.74	297.96	12.40	0.00	1644.58
2/27/15 9:55	24.52	2.15	2.76	297.84	12.40	0.00	1644.70
2/27/15 9:56	24.68	2.15	2.76	297.81	12.40	0.00	1644.73
2/27/15 9:56	24.85	2.15	2.79	297.70	12.40	0.00	1644.84
2/27/15 9:56	25.02	2.15	2.81	297.36	12.40	0.00	1645.18
2/27/15 9:56	25.18	2.15	2.81	297.29	12.40	0.00	1645.25
2/27/15 9:56	25.35	2.15	2.84	297.26	12.40	0.00	1645.28
2/27/15 9:56	25.52	2.15	2.86	297.41	12.40	0.00	1645.13
2/27/15 9:57	25.68	2.15	2.86	297.37	12.40	0.00	1645.17
2/27/15 9:57	25.85	2.15	2.89	297.56	12.40	0.00	1644.98
2/27/15 9:57	26.02	2.15	2.91	297.61	12.40	0.00	1644.93
2/27/15 9:57	26.18	2.15	2.91	297.57	12.40	0.00	1644.97
2/27/15 9:57	26.35	2.15	2.93	297.55	12.40	0.00	1644.99
2/27/15 9:57	26.52	2.15	2.96	297.50	12.40	0.00	1645.04
2/27/15 9:58	26.68	2.15	2.98	297.47	12.40	0.00	1645.06
2/27/15 9:58	26.85	2.15	2.98	297.20	12.40	0.00	1645.34
2/27/15 9:58	27.02	2.15	3.01	296.91	12.40	0.00	1645.63
2/27/15 9:58	27.18	2.15	3.03	296.71	12.40	0.00	1645.83
2/27/15 9:58	27.35	2.15	3.03	296.68	12.40	0.00	1645.86
2/27/15 9:58	27.52	2.15	3.06	296.75	12.40	0.00	1645.79
2/27/15 9:59	27.68	2.15	3.08	296.51	12.40	0.00	1646.02
2/27/15 9:59	27.85	2.15	3.10	296.37	12.40	0.00	1646.16
2/27/15 9:59	28.02	2.15	3.10	296.10	12.40	0.00	1646.44
2/27/15 9:59	28.18	2.15	3.13	296.15	12.40	0.00	1646.39
2/27/15 9:59	28.35	2.15	3.15	296.10	12.40	0.00	1646.44
2/27/15 9:59	28.52	2.15	3.15	295.97	12.40	0.00	1646.57
2/27/15 10:00	28.68	2.15	3.18	295.99	12.40	0.00	1646.55
2/27/15 10:00	28.85	2.15	3.20	295.98	12.40	0.00	1646.56
2/27/15 10:00	29.02	2.15	3.20	295.94	12.40	0.00	1646.60
2/27/15 10:00	29.18	2.15	3.23	295.93	12.40	0.00	1646.61
2/27/15 10:00	29.35	2.15	3.25	295.66	12.40	0.00	1646.88
2/27/15 10:00	29.52	2.15	3.25	295.69	12.40	0.00	1646.85
2/27/15 10:01	29.68	2.15	3.28	295.60	12.40	0.00	1646.94
2/27/15 10:01	29.85	2.15	3.28	295.29	12.40	0.00	1647.25
2/27/15 10:01	30.02	2.15	3.30	295.21	12.40	0.00	1647.33
2/27/15 10:01	30.18	2.15	3.30	295.15	12.40	0.00	1647.39
2/27/15 10:01	30.35	2.15	3.32	295.19	12.40	0.00	1647.35
2/27/15 10:01	30.52	2.11	3.40	295.25	12.40	0.00	1647.29
2/27/15 10:02	30.68	2.14	3.47	295.16	12.40	0.00	1647.38
2/27/15 10:02	30.85	2.14	3.45	295.48	12.40	0.00	1647.06
2/27/15 10:02	31.02	2.15	3.42	295.49	12.40	0.00	1647.05
2/27/15 10:02	31.18	2.15	3.42	295.28	12.40	0.00	1647.26
2/27/15 10:02	31.35	2.15	3.42	295.30	12.40	0.00	1647.24
2/27/15 10:02	31.52	2.15	3.40	295.15	12.40	0.00	1647.39
2/27/15 10:03	31.68	2.15	3.42	295.11	12.40	0.00	1647.43
2/27/15 10:03	31.85	2.15	3.42	294.70	12.40	0.00	1647.83
2/27/15 10:03	32.02	2.15	3.42	294.73	12.40	0.00	1647.81
2/27/15 10:03	32.18	2.15	3.42	294.72	12.40	0.00	1647.82
2/27/15 10:03	32.35	2.15	3.42	294.52	12.40	0.00	1648.02
2/27/15 10:03	32.52	2.15	3.42	294.43	12.40	0.00	1648.11
2/27/15 10:04	32.68	2.15	3.42	294.28	12.40	0.00	1648.26
2/27/15 10:04	32.85	2.15	3.45	294.28	12.40	0.00	1648.26
2/27/15 10:04	33.02	2.15	3.45	294.03	12.40	0.00	1648.51
2/27/15 10:04	33.18	2.15	3.45	294.02	12.40	0.00	1648.52
2/27/15 10:04	33.35	2.15	3.45	293.79	12.40	0.00	1648.74
2/27/15 10:04	33.52	2.15	3.47	293.85	12.40	0.00	1648.69
2/27/15 10:05	33.68	2.15	3.47	293.74	12.40	0.00	1648.80
2/27/15 10:05	33.85	2.15	3.47	293.70	12.40	0.00	1648.84
2/27/15 10:05	34.02	2.15	3.47	293.84	12.40	0.00	1648.70
2/27/15 10:05	34.18	2.15	3.49	293.85	12.40	0.00	1648.69
2/27/15 10:05	34.35	2.15	3.49	293.64	12.40	0.00	1648.90

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 10:05	34.52	2.15	3.49	293.65	12.40	0.00	1648.88
2/27/15 10:06	34.68	2.15	3.49	293.15	12.40	0.00	1649.39
2/27/15 10:06	34.85	2.15	3.52	293.24	12.40	0.00	1649.30
2/27/15 10:06	35.02	2.15	3.52	293.10	12.40	0.00	1649.44
2/27/15 10:06	35.18	2.15	3.54	292.84	12.40	0.00	1649.70
2/27/15 10:06	35.35	2.15	3.54	293.27	12.40	0.00	1649.26
2/27/15 10:06	35.52	2.15	3.54	293.16	12.40	0.00	1649.38
2/27/15 10:07	35.68	2.15	3.57	293.39	12.40	0.00	1649.15
2/27/15 10:07	35.85	2.15	3.57	293.35	12.40	0.00	1649.19
2/27/15 10:07	36.02	2.15	3.59	293.27	12.40	0.00	1649.27
2/27/15 10:07	36.18	2.15	3.62	292.94	12.40	0.00	1649.60
2/27/15 10:07	36.35	2.15	3.62	292.82	12.40	0.00	1649.72
2/27/15 10:07	36.52	2.15	3.64	292.69	12.50	0.00	1649.85
2/27/15 10:08	36.68	2.15	3.64	292.69	12.50	0.00	1649.85
2/27/15 10:08	36.85	2.15	3.66	292.57	12.50	0.00	1649.97
2/27/15 10:08	37.02	2.15	3.69	292.51	12.50	0.00	1650.03
2/27/15 10:08	37.18	2.15	3.69	292.39	12.50	0.00	1650.15
2/27/15 10:08	37.35	2.15	3.71	292.51	12.50	0.00	1650.03
2/27/15 10:08	37.52	2.15	3.71	292.10	12.50	0.00	1650.44
2/27/15 10:09	37.68	2.15	3.74	292.32	12.50	0.00	1650.22
2/27/15 10:09	37.85	2.15	3.76	292.11	12.50	0.00	1650.43
2/27/15 10:09	38.02	2.15	3.76	291.97	12.50	0.00	1650.57
2/27/15 10:09	38.18	2.15	3.79	291.98	12.50	0.00	1650.56
2/27/15 10:09	38.35	2.15	3.79	291.81	12.50	0.00	1650.72
2/27/15 10:09	38.52	2.15	3.81	291.89	12.50	0.00	1650.65
2/27/15 10:10	38.68	2.15	3.81	291.58	12.50	0.00	1650.96
2/27/15 10:10	38.85	2.15	3.84	291.83	12.50	0.00	1650.71
2/27/15 10:10	39.02	2.15	3.86	291.66	12.50	0.00	1650.88
2/27/15 10:10	39.18	2.15	3.86	291.42	12.50	0.00	1651.12
2/27/15 10:10	39.35	2.15	3.88	291.52	12.50	0.00	1651.02
2/27/15 10:10	39.52	2.15	3.91	291.45	12.50	0.00	1651.09
2/27/15 10:11	39.68	2.15	3.91	291.28	12.50	0.00	1651.26
2/27/15 10:11	39.85	2.15	3.93	291.19	12.50	0.00	1651.34
2/27/15 10:11	40.02	2.15	3.96	290.98	12.50	0.00	1651.56
2/27/15 10:11	40.18	2.15	3.96	290.88	12.50	0.00	1651.66
2/27/15 10:11	40.35	2.15	3.98	291.07	12.50	0.00	1651.47
2/27/15 10:11	40.52	2.15	4.01	291.07	12.50	0.00	1651.47
2/27/15 10:12	40.68	2.16	4.01	290.99	12.50	0.00	1651.55
2/27/15 10:12	40.85	2.16	4.03	291.10	12.50	0.00	1651.44
2/27/15 10:12	41.02	2.15	4.05	291.05	12.50	0.00	1651.49
2/27/15 10:12	41.18	2.15	4.05	290.75	12.50	0.00	1651.79
2/27/15 10:12	41.35	2.15	4.08	290.66	12.50	0.00	1651.88
2/27/15 10:12	41.52	2.15	4.08	290.72	12.50	0.00	1651.82
2/27/15 10:13	41.68	2.16	4.10	290.49	12.50	0.00	1652.04
2/27/15 10:13	41.85	2.15	4.13	290.53	12.50	0.00	1652.01
2/27/15 10:13	42.02	2.15	4.13	290.34	12.50	0.00	1652.20
2/27/15 10:13	42.18	2.15	4.15	290.40	12.50	0.00	1652.13
2/27/15 10:13	42.35	2.16	4.15	290.26	12.50	0.00	1652.28
2/27/15 10:13	42.52	2.15	4.18	290.12	12.50	0.00	1652.42
2/27/15 10:14	42.68	2.15	4.18	290.00	12.50	0.00	1652.54
2/27/15 10:14	42.85	2.15	4.18	290.02	12.50	0.00	1652.51
2/27/15 10:14	43.02	2.15	4.20	289.91	12.50	0.00	1652.63
2/27/15 10:14	43.18	2.15	4.20	289.89	12.50	0.00	1652.65
2/27/15 10:14	43.35	2.15	4.20	289.80	12.50	0.00	1652.74
2/27/15 10:14	43.52	2.16	4.20	289.76	12.50	0.00	1652.78
2/27/15 10:15	43.68	2.15	4.23	289.37	12.50	0.00	1653.16
2/27/15 10:15	43.85	2.15	4.23	289.63	12.50	0.00	1652.91
2/27/15 10:15	44.02	2.15	4.23	289.51	12.50	0.00	1653.02
2/27/15 10:15	44.18	2.16	4.23	289.37	12.50	0.00	1653.17
2/27/15 10:15	44.35	2.15	4.23	289.46	12.50	0.00	1653.08
2/27/15 10:15	44.52	2.16	4.25	289.47	12.50	0.00	1653.07
2/27/15 10:16	44.68	2.16	4.25	289.08	12.50	0.00	1653.46
2/27/15 10:16	44.85	2.16	4.25	289.16	12.50	0.00	1653.38
2/27/15 10:16	45.02	2.16	4.25	288.92	12.50	0.00	1653.62
2/27/15 10:16	45.18	2.15	4.25	288.84	12.50	0.00	1653.70
2/27/15 10:16	45.35	2.15	4.25	288.69	12.50	0.00	1653.85
2/27/15 10:16	45.52	2.15	4.25	288.85	12.50	0.00	1653.69
2/27/15 10:17	45.68	2.16	4.25	288.90	12.50	0.00	1653.63
2/27/15 10:17	45.85	2.16	4.27	288.95	12.50	0.00	1653.59

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 10:17	46.02	2.15	4.27	288.84	12.50	0.00	1653.70
2/27/15 10:17	46.18	2.16	4.27	288.74	12.50	0.00	1653.80
2/27/15 10:17	46.35	2.15	4.27	288.42	12.50	0.00	1654.12
2/27/15 10:17	46.52	2.15	4.27	288.47	12.50	0.00	1654.07
2/27/15 10:18	46.68	2.15	4.27	288.36	12.50	0.00	1654.18
2/27/15 10:18	46.85	2.15	4.27	288.35	12.50	0.00	1654.19
2/27/15 10:18	47.02	2.15	4.27	288.30	12.50	0.00	1654.24
2/27/15 10:18	47.18	2.15	4.27	288.20	12.50	0.00	1654.34
2/27/15 10:18	47.35	2.15	4.25	288.12	12.50	0.00	1654.42
2/27/15 10:18	47.52	2.15	4.27	287.93	12.50	0.00	1654.61
2/27/15 10:19	47.68	2.16	4.25	287.94	12.50	0.00	1654.60
2/27/15 10:19	47.85	2.16	4.25	287.77	12.50	0.00	1654.77
2/27/15 10:19	48.02	2.16	4.27	287.77	12.50	0.00	1654.77
2/27/15 10:19	48.18	2.16	4.27	287.67	12.50	0.00	1654.87
2/27/15 10:19	48.35	2.15	4.27	287.82	12.50	0.00	1654.72
2/27/15 10:19	48.52	2.16	4.27	287.64	12.50	0.00	1654.90
2/27/15 10:20	48.68	2.16	4.27	287.50	12.50	0.00	1655.04
2/27/15 10:20	48.85	2.16	4.27	287.44	12.50	0.00	1655.10
2/27/15 10:20	49.02	2.15	4.27	287.44	12.50	0.00	1655.10
2/27/15 10:20	49.18	2.15	4.27	287.35	12.50	0.00	1655.19
2/27/15 10:20	49.35	2.16	4.30	287.09	12.50	0.00	1655.45
2/27/15 10:20	49.52	2.15	4.30	287.07	12.50	0.00	1655.47
2/27/15 10:21	49.68	2.16	4.30	287.12	12.50	0.00	1655.42
2/27/15 10:21	49.85	2.15	4.30	287.09	12.50	0.00	1655.45
2/27/15 10:21	50.02	2.16	4.32	286.91	12.50	0.00	1655.63
2/27/15 10:21	50.18	2.15	4.32	287.04	12.50	0.00	1655.50
2/27/15 10:21	50.35	2.16	4.32	286.80	12.50	0.00	1655.74
2/27/15 10:21	50.52	2.16	4.32	286.71	12.50	0.00	1655.83
2/27/15 10:22	50.68	2.15	4.35	286.72	12.50	0.00	1655.82
2/27/15 10:22	50.85	2.16	4.35	286.73	12.50	0.00	1655.80
2/27/15 10:22	51.02	2.15	4.35	286.65	12.50	0.00	1655.89
2/27/15 10:22	51.18	2.15	4.37	286.77	12.50	0.00	1655.76
2/27/15 10:22	51.35	2.16	4.37	286.54	12.50	0.00	1655.99
2/27/15 10:22	51.52	2.15	4.37	286.52	12.50	0.00	1656.02
2/27/15 10:23	51.68	2.16	4.40	286.26	12.50	0.00	1656.28
2/27/15 10:23	51.85	2.15	4.40	286.23	12.50	0.00	1656.31
2/27/15 10:23	52.02	2.16	4.42	286.15	12.50	0.00	1656.39
2/27/15 10:23	52.18	2.15	4.42	286.14	12.50	0.00	1656.40
2/27/15 10:23	52.35	2.15	4.42	286.16	12.50	0.00	1656.38
2/27/15 10:23	52.52	2.16	4.45	286.11	12.50	0.00	1656.43
2/27/15 10:24	52.68	2.16	4.45	285.90	12.50	0.00	1656.64
2/27/15 10:24	52.85	2.15	4.45	285.78	12.50	0.00	1656.76
2/27/15 10:24	53.02	2.16	4.47	285.62	12.50	0.00	1656.92
2/27/15 10:24	53.18	2.16	4.47	285.80	12.50	0.00	1656.74
2/27/15 10:24	53.35	2.15	4.49	285.77	12.50	0.00	1656.77
2/27/15 10:24	53.52	2.16	4.49	285.70	12.50	0.00	1656.84
2/27/15 10:25	53.68	2.16	4.49	285.61	12.50	0.00	1656.93
2/27/15 10:25	53.85	2.16	4.52	285.37	12.50	0.00	1657.17
2/27/15 10:25	54.02	2.16	4.52	285.44	12.50	0.00	1657.09
2/27/15 10:25	54.18	2.16	4.52	285.23	12.50	0.00	1657.31
2/27/15 10:25	54.35	2.15	4.54	285.29	12.50	0.00	1657.25
2/27/15 10:25	54.52	2.16	4.54	285.06	12.50	0.00	1657.48
2/27/15 10:26	54.68	2.16	4.57	285.05	12.50	0.00	1657.49
2/27/15 10:26	54.85	2.16	4.57	285.04	12.50	0.00	1657.50
2/27/15 10:26	55.02	2.16	4.57	285.02	12.50	0.00	1657.52
2/27/15 10:26	55.18	2.16	4.59	284.93	12.50	0.00	1657.61
2/27/15 10:26	55.35	2.16	4.59	284.95	12.50	0.00	1657.59
2/27/15 10:26	55.52	2.15	4.59	284.70	12.50	0.00	1657.84
2/27/15 10:27	55.68	2.16	4.62	284.54	12.50	0.00	1658.00
2/27/15 10:27	55.85	2.15	4.62	284.62	12.50	0.00	1657.91
2/27/15 10:27	56.02	2.16	4.62	284.71	12.50	0.00	1657.83
2/27/15 10:27	56.18	2.16	4.62	284.45	12.50	0.00	1658.09
2/27/15 10:27	56.35	2.16	4.64	284.47	12.50	0.00	1658.07
2/27/15 10:27	56.52	2.16	4.64	284.39	12.50	0.00	1658.15
2/27/15 10:28	56.68	2.16	4.64	284.50	12.50	0.00	1658.04
2/27/15 10:28	56.85	2.16	4.64	284.52	12.50	0.00	1658.02
2/27/15 10:28	57.02	2.16	4.67	284.46	12.50	0.00	1658.07
2/27/15 10:28	57.18	2.15	4.67	284.25	12.50	0.00	1658.29
2/27/15 10:28	57.35	2.15	4.67	284.12	12.50	0.00	1658.42

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 10:28	57.52	2.16	4.69	283.89	12.60	0.00	1658.65
2/27/15 10:29	57.68	2.16	4.69	283.91	12.60	0.00	1658.63
2/27/15 10:29	57.85	2.16	4.69	283.90	12.60	0.00	1658.64
2/27/15 10:29	58.02	2.16	4.69	283.85	12.60	0.00	1658.69
2/27/15 10:29	58.18	2.15	4.71	283.79	12.60	0.00	1658.75
2/27/15 10:29	58.35	2.16	4.71	283.88	12.60	0.00	1658.66
2/27/15 10:29	58.52	2.16	4.71	283.59	12.60	0.00	1658.95
2/27/15 10:30	58.68	2.16	4.71	283.62	12.60	0.00	1658.92
2/27/15 10:30	58.85	2.16	4.74	283.62	12.60	0.00	1658.92
2/27/15 10:30	59.02	2.16	4.74	283.44	12.60	0.00	1659.10
2/27/15 10:30	59.18	2.16	4.74	283.45	12.60	0.00	1659.09
2/27/15 10:30	59.35	2.16	4.74	283.36	12.60	0.00	1659.18
2/27/15 10:30	59.52	2.16	4.76	283.23	12.60	0.00	1659.31
2/27/15 10:31	59.68	2.16	4.76	283.23	12.60	0.00	1659.31
2/27/15 10:31	59.85	2.16	4.76	283.18	12.60	0.00	1659.36
2/27/15 10:31	60.02	2.16	4.76	283.15	12.60	0.00	1659.39
2/27/15 10:31	60.18	2.16	4.79	282.93	12.60	0.00	1659.61
2/27/15 10:31	60.35	2.16	4.79	282.89	12.60	0.00	1659.64
2/27/15 10:31	60.52	2.16	4.79	282.83	12.60	0.00	1659.71
2/27/15 10:32	60.68	2.16	4.79	282.77	12.60	0.00	1659.77
2/27/15 10:32	60.85	2.16	4.79	282.66	12.60	0.00	1659.88
2/27/15 10:32	61.02	2.16	4.79	282.83	12.60	0.00	1659.71
2/27/15 10:32	61.18	2.16	4.81	282.58	12.60	0.00	1659.96
2/27/15 10:32	61.35	2.16	4.81	282.65	12.60	0.00	1659.89
2/27/15 10:32	61.52	2.16	4.81	282.60	12.60	0.00	1659.94
2/27/15 10:33	61.68	2.16	4.81	282.46	12.60	0.00	1660.07
2/27/15 10:33	61.85	2.16	4.84	282.32	12.60	0.00	1660.22
2/27/15 10:33	62.02	2.16	4.84	282.29	12.60	0.00	1660.25
2/27/15 10:33	62.18	2.16	4.84	282.19	12.60	0.00	1660.35
2/27/15 10:33	62.35	2.16	4.84	282.19	12.60	0.00	1660.34
2/27/15 10:33	62.52	2.16	4.86	282.19	12.60	0.00	1660.34
2/27/15 10:34	62.68	2.16	4.86	282.01	12.60	0.00	1660.53
2/27/15 10:34	62.85	2.16	4.86	282.00	12.60	0.00	1660.54
2/27/15 10:34	63.02	2.16	4.89	281.77	12.60	0.00	1660.77
2/27/15 10:34	63.18	2.16	4.89	281.72	12.60	0.00	1660.82
2/27/15 10:34	63.35	2.16	4.89	281.83	12.60	0.00	1660.71
2/27/15 10:34	63.52	2.16	4.89	281.74	12.60	0.00	1660.80
2/27/15 10:35	63.68	2.16	4.91	281.57	12.60	0.00	1660.97
2/27/15 10:35	63.85	2.16	4.91	281.68	12.60	0.00	1660.86
2/27/15 10:35	64.02	2.16	4.91	281.44	12.60	0.00	1661.10
2/27/15 10:35	64.18	2.16	4.91	281.42	12.60	0.00	1661.12
2/27/15 10:35	64.35	2.16	4.91	281.32	12.60	0.00	1661.22
2/27/15 10:35	64.52	2.16	4.91	281.33	12.60	0.00	1661.20
2/27/15 10:36	64.68	2.16	4.93	281.26	12.60	0.00	1661.28
2/27/15 10:36	64.85	2.16	4.93	281.21	12.60	0.00	1661.33
2/27/15 10:36	65.02	2.16	4.93	281.10	12.60	0.00	1661.44
2/27/15 10:36	65.18	2.16	4.96	281.28	12.60	0.00	1661.25
2/27/15 10:36	65.35	2.16	4.96	281.08	12.60	0.00	1661.46
2/27/15 10:36	65.52	2.15	4.96	281.17	12.60	0.00	1661.37
2/27/15 10:37	65.68	2.10	5.03	281.03	12.60	0.00	1661.51
2/27/15 10:37	65.85	2.15	5.11	281.17	12.60	0.00	1661.37
2/27/15 10:37	66.02	2.15	5.08	280.85	12.60	0.00	1661.68
2/27/15 10:37	66.18	2.16	5.06	280.57	12.60	0.00	1661.97
2/27/15 10:37	66.35	2.16	5.03	280.60	12.60	0.00	1661.94
2/27/15 10:37	66.52	2.16	5.03	280.55	12.60	0.00	1661.99
2/27/15 10:38	66.68	2.16	5.03	280.42	12.60	0.00	1662.11
2/27/15 10:38	66.85	2.16	5.03	280.47	12.60	0.00	1662.07
2/27/15 10:38	67.02	2.16	5.03	280.47	12.60	0.00	1662.07
2/27/15 10:38	67.18	2.16	5.03	280.30	12.60	0.00	1662.24
2/27/15 10:38	67.35	2.16	5.03	280.34	12.60	0.00	1662.20
2/27/15 10:38	67.52	2.16	5.03	280.30	12.60	0.00	1662.24
2/27/15 10:39	67.68	2.16	5.03	280.03	12.60	0.00	1662.51
2/27/15 10:39	67.85	2.16	5.03	280.05	12.60	0.00	1662.49
2/27/15 10:39	68.02	2.16	5.03	279.98	12.60	0.00	1662.56
2/27/15 10:39	68.18	2.16	5.06	280.04	12.60	0.00	1662.50
2/27/15 10:39	68.35	2.16	5.06	279.93	12.60	0.00	1662.61
2/27/15 10:39	68.52	2.16	5.06	279.80	12.60	0.00	1662.74
2/27/15 10:40	68.68	2.16	5.06	279.73	12.60	0.00	1662.80
2/27/15 10:40	68.85	2.16	5.08	279.68	12.60	0.00	1662.86

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 10:40	69.02	2.16	5.08	279.71	12.60	0.00	1662.83
2/27/15 10:40	69.18	2.16	5.08	279.61	12.60	0.00	1662.93
2/27/15 10:40	69.35	2.16	5.11	279.59	12.60	0.00	1662.95
2/27/15 10:40	69.52	2.16	5.11	279.40	12.60	0.00	1663.14
2/27/15 10:41	69.68	2.16	5.11	279.45	12.60	0.00	1663.09
2/27/15 10:41	69.85	2.16	5.11	279.48	12.60	0.00	1663.06
2/27/15 10:41	70.02	2.16	5.13	279.22	12.60	0.00	1663.32
2/27/15 10:41	70.18	2.16	5.13	279.24	12.60	0.00	1663.30
2/27/15 10:41	70.35	2.16	5.13	279.15	12.60	0.00	1663.39
2/27/15 10:41	70.52	2.16	5.13	279.17	12.60	0.00	1663.37
2/27/15 10:42	70.68	2.16	5.13	279.06	12.60	0.00	1663.48
2/27/15 10:42	70.85	2.16	5.13	279.01	12.60	0.00	1663.53
2/27/15 10:42	71.02	2.16	5.13	278.95	12.60	0.00	1663.59
2/27/15 10:42	71.18	2.16	5.15	278.71	12.60	0.00	1663.83
2/27/15 10:42	71.35	2.16	5.15	278.79	12.60	0.00	1663.75
2/27/15 10:42	71.52	2.16	5.15	278.58	12.60	0.00	1663.96
2/27/15 10:43	71.68	2.16	5.15	278.87	12.60	0.00	1663.67
2/27/15 10:43	71.85	2.16	5.15	278.61	12.60	0.00	1663.93
2/27/15 10:43	72.02	2.16	5.15	278.38	12.60	0.00	1664.16
2/27/15 10:43	72.18	2.16	5.15	278.40	12.60	0.00	1664.14
2/27/15 10:43	72.35	2.16	5.15	278.34	12.60	0.00	1664.20
2/27/15 10:43	72.52	2.16	5.15	278.31	12.60	0.00	1664.23
2/27/15 10:44	72.68	2.16	5.15	278.29	12.60	0.00	1664.25
2/27/15 10:44	72.85	2.16	5.15	278.32	12.60	0.00	1664.22
2/27/15 10:44	73.02	2.16	5.15	278.06	12.60	0.00	1664.48
2/27/15 10:44	73.18	2.16	5.15	278.05	12.60	0.00	1664.49
2/27/15 10:44	73.35	2.16	5.15	278.27	12.60	0.00	1664.27
2/27/15 10:44	73.52	2.16	5.15	278.04	12.60	0.00	1664.50
2/27/15 10:45	73.68	2.16	5.15	277.92	12.60	0.00	1664.62
2/27/15 10:45	73.85	2.16	5.15	278.27	12.60	0.00	1664.27
2/27/15 10:45	74.02	2.16	5.18	277.91	12.60	0.00	1664.63
2/27/15 10:45	74.18	2.16	5.18	277.88	12.60	0.00	1664.65
2/27/15 10:45	74.35	2.16	5.18	277.89	12.60	0.00	1664.65
2/27/15 10:45	74.52	2.16	5.18	277.87	12.60	0.00	1664.67
2/27/15 10:46	74.68	2.16	5.18	277.69	12.60	0.00	1664.85
2/27/15 10:46	74.85	2.16	5.18	277.61	12.60	0.00	1664.92
2/27/15 10:46	75.02	2.15	5.20	277.43	12.60	0.00	1665.11
2/27/15 10:46	75.18	2.16	5.20	277.54	12.60	0.00	1665.00
2/27/15 10:46	75.35	2.16	5.20	277.55	12.60	0.00	1664.99
2/27/15 10:46	75.52	2.16	5.20	277.28	12.60	0.00	1665.26
2/27/15 10:47	75.68	2.16	5.23	277.24	12.60	0.00	1665.30
2/27/15 10:47	75.85	2.16	5.23	277.25	12.60	0.00	1665.29
2/27/15 10:47	76.02	2.16	5.23	277.24	12.60	0.00	1665.30
2/27/15 10:47	76.18	2.16	5.25	277.11	12.60	0.00	1665.43
2/27/15 10:47	76.35	2.16	5.25	277.17	12.60	0.00	1665.37
2/27/15 10:47	76.52	2.16	5.25	277.05	12.60	0.00	1665.49
2/27/15 10:48	76.68	2.16	5.28	277.08	12.60	0.00	1665.46
2/27/15 10:48	76.85	2.16	5.28	277.05	12.60	0.00	1665.49
2/27/15 10:48	77.02	2.16	5.28	276.79	12.60	0.00	1665.75
2/27/15 10:48	77.18	2.16	5.30	276.77	12.60	0.00	1665.77
2/27/15 10:48	77.35	2.16	5.30	276.87	12.60	0.00	1665.67
2/27/15 10:48	77.52	2.16	5.33	276.85	12.60	0.00	1665.69
2/27/15 10:49	77.68	2.16	5.33	276.58	12.60	0.00	1665.96
2/27/15 10:49	77.85	2.16	5.35	276.64	12.60	0.00	1665.90
2/27/15 10:49	78.02	2.16	5.35	276.69	12.60	0.00	1665.85
2/27/15 10:49	78.18	2.16	5.35	276.69	12.70	0.00	1665.85
2/27/15 10:49	78.35	2.16	5.37	276.60	12.60	0.00	1665.94
2/27/15 10:49	78.52	2.16	5.37	276.38	12.60	0.00	1666.16
2/27/15 10:50	78.68	2.16	5.40	276.37	12.70	0.00	1666.17
2/27/15 10:50	78.85	2.16	5.40	276.32	12.70	0.00	1666.22
2/27/15 10:50	79.02	2.16	5.40	276.11	12.70	0.00	1666.43
2/27/15 10:50	79.18	2.15	5.42	276.09	12.70	0.00	1666.45
2/27/15 10:50	79.35	2.16	5.42	276.12	12.70	0.00	1666.42
2/27/15 10:50	79.52	2.16	5.42	276.15	12.60	0.00	1666.38
2/27/15 10:51	79.68	2.16	5.45	276.15	12.60	0.00	1666.39
2/27/15 10:51	79.85	2.16	5.45	275.97	12.70	0.00	1666.57
2/27/15 10:51	80.02	2.16	5.45	275.96	12.70	0.00	1666.58
2/27/15 10:51	80.18	2.16	5.45	275.85	12.70	0.00	1666.69
2/27/15 10:51	80.35	2.16	5.47	275.98	12.70	0.00	1666.56

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 10:51	80.52	2.16	5.47	275.98	12.70	0.00	1666.56
2/27/15 10:52	80.68	2.16	5.50	275.83	12.70	0.00	1666.70
2/27/15 10:52	80.85	2.16	5.50	275.86	12.70	0.00	1666.68
2/27/15 10:52	81.02	2.16	5.50	275.92	12.70	0.00	1666.62
2/27/15 10:52	81.18	2.16	5.52	275.47	12.70	0.00	1667.07
2/27/15 10:52	81.35	2.16	5.52	275.61	12.70	0.00	1666.93
2/27/15 10:52	81.52	2.16	5.55	275.57	12.70	0.00	1666.97
2/27/15 10:53	81.68	2.16	5.55	275.40	12.70	0.00	1667.14
2/27/15 10:53	81.85	2.16	5.55	275.22	12.60	0.00	1667.32
2/27/15 10:53	82.02	2.16	5.57	275.33	12.70	0.00	1667.21
2/27/15 10:53	82.18	2.16	5.57	275.11	12.70	0.00	1667.42
2/27/15 10:53	82.35	2.16	5.60	275.40	12.70	0.00	1667.14
2/27/15 10:53	82.52	2.16	5.60	275.10	12.70	0.00	1667.44
2/27/15 10:54	82.68	2.16	5.62	275.04	12.70	0.00	1667.50
2/27/15 10:54	82.85	2.16	5.62	274.91	12.70	0.00	1667.63
2/27/15 10:54	83.02	2.16	5.64	274.99	12.70	0.00	1667.55
2/27/15 10:54	83.18	2.16	5.64	274.91	12.70	0.00	1667.63
2/27/15 10:54	83.35	2.16	5.67	274.90	12.70	0.00	1667.64
2/27/15 10:54	83.52	2.16	5.67	274.95	12.70	0.00	1667.59
2/27/15 10:55	83.68	2.16	5.69	274.90	12.70	0.00	1667.64
2/27/15 10:55	83.85	2.16	5.69	274.87	12.70	0.00	1667.67
2/27/15 10:55	84.02	2.16	5.72	274.77	12.70	0.00	1667.77
2/27/15 10:55	84.18	2.16	5.72	274.69	12.70	0.00	1667.85
2/27/15 10:55	84.35	2.16	5.74	274.55	12.70	0.00	1667.99
2/27/15 10:55	84.52	2.16	5.74	274.64	12.70	0.00	1667.89
2/27/15 10:56	84.68	2.16	5.77	274.50	12.60	0.00	1668.04
2/27/15 10:56	84.85	2.16	5.77	274.62	12.70	0.00	1667.92
2/27/15 10:56	85.02	2.16	5.79	274.58	12.70	0.00	1667.96
2/27/15 10:56	85.18	2.16	5.79	274.38	12.70	0.00	1668.16
2/27/15 10:56	85.35	2.16	5.82	274.26	12.70	0.00	1668.28
2/27/15 10:56	85.52	2.16	5.82	274.23	12.70	0.00	1668.31
2/27/15 10:57	85.68	2.16	5.84	274.15	12.70	0.00	1668.39
2/27/15 10:57	85.85	2.16	5.84	274.30	12.70	0.00	1668.24
2/27/15 10:57	86.02	2.16	5.86	274.14	12.70	0.00	1668.40
2/27/15 10:57	86.18	2.16	5.86	273.91	12.70	0.00	1668.62
2/27/15 10:57	86.35	2.16	5.89	273.83	12.70	0.00	1668.71
2/27/15 10:57	86.52	2.16	5.89	274.02	12.70	0.00	1668.52
2/27/15 10:58	86.68	2.16	5.91	273.88	12.70	0.00	1668.66
2/27/15 10:58	86.85	2.16	5.91	273.86	12.70	0.00	1668.67
2/27/15 10:58	87.02	2.16	5.94	273.75	12.70	0.00	1668.79
2/27/15 10:58	87.18	2.16	5.94	273.95	12.70	0.00	1668.59
2/27/15 10:58	87.35	2.16	5.96	273.80	12.70	0.00	1668.74
2/27/15 10:58	87.52	2.16	5.96	273.74	12.70	0.00	1668.80
2/27/15 10:59	87.68	2.16	5.99	273.73	12.70	0.00	1668.81
2/27/15 10:59	87.85	2.16	5.99	273.71	12.70	0.00	1668.82
2/27/15 10:59	88.02	2.16	5.99	273.73	12.70	0.00	1668.81
2/27/15 10:59	88.18	2.16	6.01	273.63	12.70	0.00	1668.91
2/27/15 10:59	88.35	2.16	6.01	273.69	12.70	0.00	1668.85
2/27/15 10:59	88.52	2.16	6.01	273.54	12.70	0.00	1669.00
2/27/15 11:00	88.68	2.16	6.04	273.52	12.70	0.00	1669.02
2/27/15 11:00	88.85	2.16	6.04	273.50	12.70	0.00	1669.03
2/27/15 11:00	89.02	2.16	6.04	273.43	12.70	0.00	1669.11
2/27/15 11:00	89.18	2.16	6.04	273.34	12.70	0.00	1669.20
2/27/15 11:00	89.35	2.16	6.06	273.24	12.70	0.00	1669.30
2/27/15 11:00	89.52	2.16	6.06	273.17	12.70	0.00	1669.37
2/27/15 11:01	89.68	2.16	6.06	273.02	12.70	0.00	1669.52
2/27/15 11:01	89.85	2.16	6.06	273.12	12.70	0.00	1669.42
2/27/15 11:01	90.02	2.16	6.06	272.97	12.70	0.00	1669.57
2/27/15 11:01	90.18	2.16	6.09	272.93	12.70	0.00	1669.60
2/27/15 11:01	90.35	2.16	6.09	272.92	12.70	0.00	1669.62
2/27/15 11:01	90.52	2.16	6.09	272.96	12.70	0.00	1669.58
2/27/15 11:02	90.68	2.16	6.09	272.89	12.70	0.00	1669.65
2/27/15 11:02	90.85	2.16	6.11	272.85	12.70	0.00	1669.69
2/27/15 11:02	91.02	2.16	6.11	272.96	12.70	0.00	1669.58
2/27/15 11:02	91.18	2.16	6.11	272.59	12.70	0.00	1669.95
2/27/15 11:02	91.35	2.16	6.11	272.61	12.70	0.00	1669.93
2/27/15 11:02	91.52	2.16	6.13	272.54	12.70	0.00	1670.00
2/27/15 11:03	91.68	2.16	6.13	272.61	12.70	0.00	1669.93
2/27/15 11:03	91.85	2.16	6.13	272.51	12.70	0.00	1670.03

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 11:03	92.02	2.16	6.16	272.43	12.70	0.00	1670.11
2/27/15 11:03	92.18	2.16	6.16	272.54	12.70	0.00	1670.00
2/27/15 11:03	92.35	2.16	6.16	272.37	12.70	0.00	1670.17
2/27/15 11:03	92.52	2.16	6.18	272.37	12.70	0.00	1670.16
2/27/15 11:04	92.68	2.16	6.18	272.23	12.70	0.00	1670.31
2/27/15 11:04	92.85	2.16	6.18	272.27	12.70	0.00	1670.26
2/27/15 11:04	93.02	2.16	6.18	272.13	12.70	0.00	1670.41
2/27/15 11:04	93.18	2.16	6.21	272.01	12.70	0.00	1670.52
2/27/15 11:04	93.35	2.16	6.21	272.14	12.70	0.00	1670.40
2/27/15 11:04	93.52	2.16	6.21	271.89	12.70	0.00	1670.65
2/27/15 11:05	93.68	2.16	6.23	271.84	12.70	0.00	1670.70
2/27/15 11:05	93.85	2.16	6.23	272.23	12.70	0.00	1670.31
2/27/15 11:05	94.02	2.17	6.23	271.83	12.70	0.00	1670.71
2/27/15 11:05	94.18	2.16	6.23	271.82	12.70	0.00	1670.72
2/27/15 11:05	94.35	2.16	6.23	271.57	12.70	0.00	1670.97
2/27/15 11:05	94.52	2.16	6.23	271.79	12.70	0.00	1670.75
2/27/15 11:06	94.68	2.16	6.26	271.58	12.70	0.00	1670.96
2/27/15 11:06	94.85	2.17	6.26	271.73	12.70	0.00	1670.81
2/27/15 11:06	95.02	2.17	6.26	271.62	12.70	0.00	1670.92
2/27/15 11:06	95.18	2.16	6.26	271.58	12.70	0.00	1670.96
2/27/15 11:06	95.35	2.16	6.26	271.64	12.70	0.00	1670.90
2/27/15 11:06	95.52	2.16	6.26	271.57	12.70	0.00	1670.97
2/27/15 11:07	95.68	2.16	6.28	271.56	12.70	0.00	1670.98
2/27/15 11:07	95.85	2.16	6.28	271.78	12.70	0.00	1670.76
2/27/15 11:07	96.02	2.16	6.28	271.53	12.70	0.00	1671.01
2/27/15 11:07	96.18	2.16	6.28	271.44	12.70	0.00	1671.09
2/27/15 11:07	96.35	2.16	6.31	271.43	12.70	0.00	1671.11
2/27/15 11:07	96.52	2.16	6.31	271.47	12.70	0.00	1671.07
2/27/15 11:08	96.68	2.16	6.31	271.50	12.70	0.00	1671.04
2/27/15 11:08	96.85	2.17	6.33	271.21	12.70	0.00	1671.33
2/27/15 11:08	97.02	2.16	6.33	271.09	12.70	0.00	1671.45
2/27/15 11:08	97.18	2.16	6.33	270.88	12.70	0.00	1671.66
2/27/15 11:08	97.35	2.16	6.36	270.91	12.70	0.00	1671.63
2/27/15 11:08	97.52	2.16	6.36	270.85	12.70	0.00	1671.69
2/27/15 11:09	97.68	2.16	6.38	270.81	12.70	0.00	1671.73
2/27/15 11:09	97.85	2.16	6.38	270.82	12.70	0.00	1671.72
2/27/15 11:09	98.02	2.16	6.38	270.80	12.70	0.00	1671.74
2/27/15 11:09	98.18	2.16	6.40	270.93	12.70	0.00	1671.61
2/27/15 11:09	98.35	2.16	6.40	270.78	12.70	0.00	1671.76
2/27/15 11:09	98.52	2.16	6.43	270.60	12.70	0.00	1671.94
2/27/15 11:10	98.68	2.16	6.43	270.86	12.70	0.00	1671.68
2/27/15 11:10	98.85	2.16	6.43	270.54	12.70	0.00	1672.00
2/27/15 11:10	99.02	2.16	6.45	270.63	12.70	0.00	1671.91
2/27/15 11:10	99.18	2.16	6.45	270.67	12.80	0.00	1671.87
2/27/15 11:10	99.35	2.17	6.48	270.66	12.70	0.00	1671.88
2/27/15 11:10	99.52	2.16	6.48	270.35	12.70	0.00	1672.19
2/27/15 11:11	99.68	2.16	6.50	270.46	12.70	0.00	1672.08
2/27/15 11:11	99.85	2.17	6.50	270.40	12.70	0.00	1672.14
2/27/15 11:11	100.02	2.16	6.50	270.17	12.70	0.00	1672.37
2/27/15 11:11	100.18	2.16	6.53	270.29	12.70	0.00	1672.25
2/27/15 11:11	100.35	2.15	6.53	270.37	12.80	0.00	1672.17
2/27/15 11:11	100.52	2.16	6.53	270.09	12.70	0.00	1672.45
2/27/15 11:12	100.68	2.16	6.55	270.30	12.70	0.00	1672.24
2/27/15 11:12	100.85	2.16	6.55	270.04	12.70	0.00	1672.50
2/27/15 11:12	101.02	2.17	6.55	269.90	12.70	0.00	1672.64
2/27/15 11:12	101.18	2.17	6.55	269.89	12.80	0.00	1672.65
2/27/15 11:12	101.35	2.17	6.58	269.87	12.80	0.00	1672.67
2/27/15 11:12	101.52	2.16	6.58	269.85	12.70	0.00	1672.69
2/27/15 11:13	101.68	2.16	6.58	269.60	12.80	0.00	1672.94
2/27/15 11:13	101.85	2.17	6.58	269.61	12.80	0.00	1672.93
2/27/15 11:13	102.02	2.16	6.60	269.53	12.70	0.00	1673.01
2/27/15 11:13	102.18	2.16	6.60	269.37	12.80	0.00	1673.17
2/27/15 11:13	102.35	2.17	6.60	269.68	12.80	0.00	1672.86
2/27/15 11:13	102.52	2.16	6.60	269.40	12.70	0.00	1673.14
2/27/15 11:14	102.68	2.16	6.60	269.56	12.80	0.00	1672.97
2/27/15 11:14	102.85	2.17	6.60	269.28	12.80	0.00	1673.26
2/27/15 11:14	103.02	2.16	6.60	269.44	12.80	0.00	1673.10
2/27/15 11:14	103.18	2.16	6.63	269.55	12.80	0.00	1672.99
2/27/15 11:14	103.35	2.17	6.63	269.14	12.80	0.00	1673.40

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 11:14	103.52	2.17	6.63	269.20	12.80	0.00	1673.34
2/27/15 11:15	103.68	2.17	6.63	269.16	12.70	0.00	1673.38
2/27/15 11:15	103.85	2.17	6.63	269.16	12.80	0.00	1673.37
2/27/15 11:15	104.02	2.15	6.63	269.15	12.70	0.00	1673.38
2/27/15 11:15	104.18	2.17	6.63	268.78	12.80	0.00	1673.76
2/27/15 11:15	104.35	2.17	6.63	268.67	12.80	0.00	1673.87
2/27/15 11:15	104.52	2.17	6.63	268.62	12.80	0.00	1673.92
2/27/15 11:16	104.68	2.17	6.65	268.51	12.80	0.00	1674.03
2/27/15 11:16	104.85	2.16	6.65	268.56	12.80	0.00	1673.98
2/27/15 11:16	105.02	2.16	6.65	268.65	12.80	0.00	1673.89
2/27/15 11:16	105.18	2.16	6.65	268.55	12.80	0.00	1673.98
2/27/15 11:16	105.35	2.17	6.68	268.57	12.80	0.00	1673.97
2/27/15 11:16	105.52	2.17	6.68	268.49	12.80	0.00	1674.05
2/27/15 11:17	105.68	2.17	6.68	268.32	12.80	0.00	1674.22
2/27/15 11:17	105.85	2.16	6.68	268.15	12.80	0.00	1674.39
2/27/15 11:17	106.02	2.16	6.68	268.29	12.80	0.00	1674.25
2/27/15 11:17	106.18	2.16	6.68	268.27	12.80	0.00	1674.27
2/27/15 11:17	106.35	2.17	6.70	267.83	12.80	0.00	1674.71
2/27/15 11:17	106.52	2.17	6.70	267.79	12.80	0.00	1674.75
2/27/15 11:18	106.68	2.17	6.70	267.80	12.80	0.00	1674.74
2/27/15 11:18	106.85	2.17	6.70	267.81	12.70	0.00	1674.73
2/27/15 11:18	107.02	2.17	6.70	267.68	12.80	0.00	1674.86
2/27/15 11:18	107.18	2.17	6.70	267.68	12.80	0.00	1674.86
2/27/15 11:18	107.35	2.17	6.70	267.66	12.80	0.00	1674.88
2/27/15 11:18	107.52	2.17	6.70	267.52	12.80	0.00	1675.02
2/27/15 11:19	107.68	2.15	6.70	267.36	12.80	0.00	1675.18
2/27/15 11:19	107.85	2.17	6.70	267.28	12.80	0.00	1675.26
2/27/15 11:19	108.02	2.15	6.70	267.33	12.80	0.00	1675.21
2/27/15 11:19	108.18	2.17	6.70	267.44	12.80	0.00	1675.10
2/27/15 11:19	108.35	2.17	6.72	267.24	12.80	0.00	1675.29
2/27/15 11:19	108.52	2.17	6.72	267.13	12.80	0.00	1675.41
2/27/15 11:20	108.68	2.17	6.72	267.28	12.80	0.00	1675.26
2/27/15 11:20	108.85	2.16	6.72	267.38	12.80	0.00	1675.16
2/27/15 11:20	109.02	2.17	6.72	267.19	12.80	0.00	1675.34
2/27/15 11:20	109.18	2.16	6.72	267.06	12.70	0.00	1675.48
2/27/15 11:20	109.35	2.17	6.72	266.92	12.80	0.00	1675.62
2/27/15 11:20	109.52	2.16	6.72	266.72	12.80	0.00	1675.82
2/27/15 11:21	109.68	2.17	6.72	266.88	12.80	0.00	1675.66
2/27/15 11:21	109.85	2.17	6.72	266.52	12.80	0.00	1676.02
2/27/15 11:21	110.02	2.16	6.72	266.64	12.80	0.00	1675.90
2/27/15 11:21	110.18	2.16	6.72	266.49	12.80	0.00	1676.05
2/27/15 11:21	110.35	2.16	6.72	266.48	12.80	0.00	1676.06
2/27/15 11:21	110.52	2.17	6.75	266.48	12.80	0.00	1676.06
2/27/15 11:22	110.68	2.17	6.75	266.54	12.80	0.00	1676.00
2/27/15 11:22	110.85	2.16	6.75	266.54	12.80	0.00	1676.00
2/27/15 11:22	111.02	2.15	6.75	266.74	12.80	0.00	1675.80
2/27/15 11:22	111.18	2.16	6.75	266.17	12.80	0.00	1676.37
2/27/15 11:22	111.35	2.16	6.75	266.25	12.80	0.00	1676.29
2/27/15 11:22	111.52	2.16	6.77	266.09	12.80	0.00	1676.44
2/27/15 11:23	111.68	2.16	6.77	266.06	12.80	0.00	1676.48
2/27/15 11:23	111.85	2.17	6.77	265.88	12.80	0.00	1676.66
2/27/15 11:23	112.02	2.16	6.77	265.78	12.80	0.00	1676.76
2/27/15 11:23	112.18	2.16	6.80	265.86	12.80	0.00	1676.68
2/27/15 11:23	112.35	2.17	6.80	265.86	12.80	0.00	1676.68
2/27/15 11:23	112.52	2.17	6.80	265.91	12.80	0.00	1676.63
2/27/15 11:24	112.68	2.17	6.80	265.66	12.80	0.00	1676.88
2/27/15 11:24	112.85	2.15	6.82	265.54	12.80	0.00	1677.00
2/27/15 11:24	113.02	2.18	6.82	265.43	12.80	0.00	1677.11
2/27/15 11:24	113.18	2.17	6.82	265.32	12.80	0.00	1677.22
2/27/15 11:24	113.35	2.17	6.82	265.25	12.80	0.00	1677.29
2/27/15 11:24	113.52	2.15	6.85	265.26	12.80	0.00	1677.28
2/27/15 11:25	113.68	2.17	6.85	265.18	12.80	0.00	1677.36
2/27/15 11:25	113.85	2.17	6.85	265.33	12.80	0.00	1677.21
2/27/15 11:25	114.02	2.16	6.87	265.34	12.80	0.00	1677.20
2/27/15 11:25	114.18	2.15	6.87	265.17	12.80	0.00	1677.37
2/27/15 11:25	114.35	2.17	6.87	264.97	12.80	0.00	1677.57
2/27/15 11:25	114.52	2.17	6.90	265.00	12.80	0.00	1677.54
2/27/15 11:26	114.68	2.17	6.90	265.01	12.80	0.00	1677.53
2/27/15 11:26	114.85	2.17	6.90	264.89	12.80	0.00	1677.65

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 11:26	115.02	2.17	6.90	264.91	12.80	0.00	1677.63
2/27/15 11:26	115.18	2.17	6.92	264.66	12.80	0.00	1677.88
2/27/15 11:26	115.35	2.17	6.92	264.67	12.80	0.00	1677.87
2/27/15 11:26	115.52	2.17	6.92	264.46	12.80	0.00	1678.08
2/27/15 11:27	115.68	2.17	6.95	264.39	12.80	0.00	1678.15
2/27/15 11:27	115.85	2.17	6.95	264.09	12.80	0.00	1678.45
2/27/15 11:27	116.02	2.15	6.95	264.35	12.80	0.00	1678.18
2/27/15 11:27	116.18	2.16	6.97	264.37	12.80	0.00	1678.17
2/27/15 11:27	116.35	2.17	6.97	264.22	12.80	0.00	1678.32
2/27/15 11:27	116.52	2.16	6.97	264.29	12.80	0.00	1678.25
2/27/15 11:28	116.68	2.17	6.97	264.14	12.80	0.00	1678.40
2/27/15 11:28	116.85	2.17	7.00	264.24	12.80	0.00	1678.30
2/27/15 11:28	117.02	2.16	7.00	264.30	12.80	0.00	1678.24
2/27/15 11:28	117.18	2.17	7.00	264.17	12.80	0.00	1678.37
2/27/15 11:28	117.35	2.17	7.02	264.01	12.80	0.00	1678.53
2/27/15 11:28	117.52	2.17	7.02	263.89	12.80	0.00	1678.65
2/27/15 11:29	117.68	2.17	7.02	263.77	12.80	0.00	1678.77
2/27/15 11:29	117.85	2.17	7.04	263.53	12.80	0.00	1679.01
2/27/15 11:29	118.02	2.17	7.04	263.52	12.80	0.00	1679.02
2/27/15 11:29	118.18	2.16	7.04	263.56	12.80	0.00	1678.97
2/27/15 11:29	118.35	2.16	7.04	263.47	12.80	0.00	1679.07
2/27/15 11:29	118.52	2.17	7.07	263.39	12.80	0.00	1679.15
2/27/15 11:30	118.68	2.17	7.07	263.11	12.80	0.00	1679.43
2/27/15 11:30	118.85	2.17	7.07	263.44	12.80	0.00	1679.10
2/27/15 11:30	119.02	2.15	7.07	263.40	12.80	0.00	1679.14
2/27/15 11:30	119.18	2.16	7.07	263.07	12.80	0.00	1679.47
2/27/15 11:30	119.35	2.17	7.09	263.00	12.80	0.00	1679.54
2/27/15 11:30	119.52	2.15	7.09	263.04	12.80	0.00	1679.50
2/27/15 11:31	119.68	2.18	7.09	263.00	12.80	0.00	1679.54
2/27/15 11:31	119.85	2.17	7.09	263.09	12.80	0.00	1679.45
2/27/15 11:31	120.02	2.17	7.09	262.72	12.80	0.00	1679.82
2/27/15 11:31	120.18	2.17	7.09	262.88	12.80	0.00	1679.66
2/27/15 11:31	120.35	2.17	7.09	262.85	12.80	0.00	1679.69
2/27/15 11:31	120.52	2.15	7.09	262.78	12.80	0.00	1679.76
2/27/15 11:32	120.68	2.16	7.09	262.73	12.80	0.00	1679.81
2/27/15 11:32	120.85	2.17	7.09	262.67	12.80	0.00	1679.86
2/27/15 11:32	121.02	2.16	7.09	262.55	12.80	0.00	1679.99
2/27/15 11:32	121.18	2.17	7.09	262.41	12.80	0.00	1680.13
2/27/15 11:32	121.35	2.17	7.12	262.27	12.80	0.00	1680.27
2/27/15 11:32	121.52	2.15	7.12	262.28	12.80	0.00	1680.25
2/27/15 11:33	121.68	2.17	7.12	261.95	12.80	0.00	1680.59
2/27/15 11:33	121.85	2.15	7.12	262.14	12.80	0.00	1680.40
2/27/15 11:33	122.02	2.16	7.12	261.99	12.80	0.00	1680.55
2/27/15 11:33	122.18	2.17	7.14	262.16	12.80	0.00	1680.38
2/27/15 11:33	122.35	2.17	7.14	262.22	12.80	0.00	1680.32
2/27/15 11:33	122.52	2.17	7.14	262.17	12.80	0.00	1680.37
2/27/15 11:34	122.68	2.17	7.14	262.06	12.80	0.00	1680.48
2/27/15 11:34	122.85	2.18	7.14	262.21	12.80	0.00	1680.33
2/27/15 11:34	123.02	2.17	7.17	261.77	12.80	0.00	1680.77
2/27/15 11:34	123.18	2.15	7.17	261.98	12.80	0.00	1680.56
2/27/15 11:34	123.35	2.17	7.17	261.83	12.80	0.00	1680.71
2/27/15 11:34	123.52	2.17	7.14	261.76	12.80	0.00	1680.78
2/27/15 11:35	123.68	2.17	7.14	261.71	12.80	0.00	1680.83
2/27/15 11:35	123.85	2.16	7.14	261.52	12.80	0.00	1681.02
2/27/15 11:35	124.02	2.18	7.14	261.42	12.80	0.00	1681.12
2/27/15 11:35	124.18	2.17	7.14	261.47	12.80	0.00	1681.07
2/27/15 11:35	124.35	2.17	7.14	261.41	12.80	0.00	1681.13
2/27/15 11:35	124.52	2.13	7.17	261.33	12.80	0.00	1681.21
2/27/15 11:36	124.68	2.12	7.29	261.13	12.80	0.00	1681.41
2/27/15 11:36	124.85	2.11	7.37	261.18	12.90	0.00	1681.36
2/27/15 11:36	125.02	2.11	7.44	260.95	12.80	0.00	1681.59
2/27/15 11:36	125.18	2.11	7.49	260.86	12.80	0.00	1681.67
2/27/15 11:36	125.35	2.11	7.51	260.85	12.80	0.00	1681.69
2/27/15 11:36	125.52	2.11	7.54	260.83	12.80	0.00	1681.71
2/27/15 11:37	125.68	2.11	7.56	261.09	12.90	0.00	1681.45
2/27/15 11:37	125.85	2.11	7.59	260.75	12.80	0.00	1681.79
2/27/15 11:37	126.02	2.12	7.61	260.84	12.80	0.00	1681.70
2/27/15 11:37	126.18	2.10	7.64	260.70	12.80	0.00	1681.84
2/27/15 11:37	126.35	2.11	7.64	260.65	12.90	0.00	1681.89

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 11:37	126.52	2.10	7.66	260.66	12.80	0.00	1681.87
2/27/15 11:38	126.68	2.15	7.61	260.63	12.80	0.00	1681.91
2/27/15 11:38	126.85	2.15	7.49	260.51	12.80	0.00	1682.03
2/27/15 11:38	127.02	2.15	7.41	260.35	12.90	0.00	1682.19
2/27/15 11:38	127.18	2.11	7.39	260.43	12.90	0.00	1682.11
2/27/15 11:38	127.35	2.16	7.41	260.08	12.90	0.00	1682.45
2/27/15 11:38	127.52	2.16	7.37	260.09	12.90	0.00	1682.45
2/27/15 11:39	127.68	2.11	7.37	260.03	12.80	0.00	1682.51
2/27/15 11:39	127.85	2.16	7.39	260.00	12.90	0.00	1682.54
2/27/15 11:39	128.02	2.16	7.34	259.83	12.90	0.00	1682.71
2/27/15 11:39	128.18	2.16	7.29	259.98	12.80	0.00	1682.56
2/27/15 11:39	128.35	2.16	7.27	259.84	12.90	0.00	1682.69
2/27/15 11:39	128.52	2.16	7.24	260.02	12.80	0.00	1682.52
2/27/15 11:40	128.68	2.16	7.22	259.92	12.90	0.00	1682.62
2/27/15 11:40	128.85	2.16	7.19	260.05	12.90	0.00	1682.49
2/27/15 11:40	129.02	2.16	7.17	259.69	12.80	0.00	1682.85
2/27/15 11:40	129.18	2.16	7.17	259.72	12.80	0.00	1682.82
2/27/15 11:40	129.35	2.16	7.14	259.69	12.90	0.00	1682.85
2/27/15 11:40	129.52	2.16	7.14	259.53	12.80	0.00	1683.01
2/27/15 11:41	129.68	2.16	7.12	259.43	12.80	0.00	1683.11
2/27/15 11:41	129.85	2.16	7.12	259.34	12.80	0.00	1683.20
2/27/15 11:41	130.02	2.16	7.09	259.35	12.80	0.00	1683.19
2/27/15 11:41	130.18	2.16	7.07	259.18	12.80	0.00	1683.36
2/27/15 11:41	130.35	2.16	7.07	259.18	12.90	0.00	1683.36
2/27/15 11:41	130.52	2.16	7.04	259.26	12.90	0.00	1683.27
2/27/15 11:42	130.68	2.16	7.04	258.84	12.90	0.00	1683.70
2/27/15 11:42	130.85	2.16	7.02	258.79	12.80	0.00	1683.75
2/27/15 11:42	131.02	2.16	7.02	258.66	12.90	0.00	1683.88
2/27/15 11:42	131.18	2.16	7.00	258.51	12.80	0.00	1684.03
2/27/15 11:42	131.35	2.16	7.00	258.62	12.90	0.00	1683.91
2/27/15 11:42	131.52	2.16	6.97	258.86	12.90	0.00	1683.68
2/27/15 11:43	131.68	2.16	6.95	258.50	12.80	0.00	1684.04
2/27/15 11:43	131.85	2.16	6.95	258.62	12.90	0.00	1683.92
2/27/15 11:43	132.02	2.16	6.92	258.58	12.90	0.00	1683.96
2/27/15 11:43	132.18	2.16	6.90	258.65	12.90	0.00	1683.89
2/27/15 11:43	132.35	2.16	6.90	258.45	12.90	0.00	1684.09
2/27/15 11:43	132.52	2.16	6.87	258.49	12.90	0.00	1684.05
2/27/15 11:44	132.68	2.16	6.87	258.27	12.90	0.00	1684.27
2/27/15 11:44	132.85	2.16	6.85	258.33	12.90	0.00	1684.21
2/27/15 11:44	133.02	2.16	6.85	258.36	12.90	0.00	1684.18
2/27/15 11:44	133.18	2.16	6.82	258.17	12.90	0.00	1684.37
2/27/15 11:44	133.35	2.16	6.82	257.78	12.90	0.00	1684.76
2/27/15 11:44	133.52	2.16	6.82	258.08	12.90	0.00	1684.46
2/27/15 11:45	133.68	2.16	6.82	257.80	12.90	0.00	1684.73
2/27/15 11:45	133.85	2.16	6.82	257.66	12.90	0.00	1684.88
2/27/15 11:45	134.02	2.16	6.82	257.56	12.90	0.00	1684.98
2/27/15 11:45	134.18	2.16	6.80	257.75	12.90	0.00	1684.79
2/27/15 11:45	134.35	2.16	6.80	257.70	12.90	0.00	1684.84
2/27/15 11:45	134.52	2.16	6.80	257.87	12.90	0.00	1684.67
2/27/15 11:46	134.68	2.16	6.80	257.94	12.90	0.00	1684.60
2/27/15 11:46	134.85	2.16	6.80	257.65	12.90	0.00	1684.89
2/27/15 11:46	135.02	2.16	6.82	257.82	12.90	0.00	1684.72
2/27/15 11:46	135.18	2.16	6.82	257.47	12.90	0.00	1685.07
2/27/15 11:46	135.35	2.16	6.82	257.44	12.90	0.00	1685.10
2/27/15 11:46	135.52	2.16	6.82	257.47	12.90	0.00	1685.07
2/27/15 11:47	135.68	2.16	6.82	257.44	12.90	0.00	1685.10
2/27/15 11:47	135.85	2.16	6.82	257.13	12.90	0.00	1685.41
2/27/15 11:47	136.02	2.16	6.82	257.11	12.90	0.00	1685.43
2/27/15 11:47	136.18	2.16	6.82	256.95	12.90	0.00	1685.59
2/27/15 11:47	136.35	2.16	6.82	256.90	12.90	0.00	1685.64
2/27/15 11:47	136.52	2.16	6.82	256.78	12.90	0.00	1685.76
2/27/15 11:48	136.68	2.16	6.82	256.72	12.90	0.00	1685.82
2/27/15 11:48	136.85	2.16	6.82	256.69	12.90	0.00	1685.85
2/27/15 11:48	137.02	2.16	6.82	256.44	12.90	0.00	1686.10
2/27/15 11:48	137.18	2.16	6.82	256.49	12.90	0.00	1686.05
2/27/15 11:48	137.35	2.16	6.82	256.53	12.90	0.00	1686.01
2/27/15 11:48	137.52	2.16	6.82	256.30	12.90	0.00	1686.24
2/27/15 11:49	137.68	2.16	6.82	256.34	12.90	0.00	1686.20
2/27/15 11:49	137.85	2.16	6.82	256.39	12.90	0.00	1686.15

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 11:49	138.02	2.16	6.82	256.29	12.90	0.00	1686.25
2/27/15 11:49	138.18	2.16	6.82	256.20	12.90	0.00	1686.34
2/27/15 11:49	138.35	2.16	6.80	256.35	12.90	0.00	1686.19
2/27/15 11:49	138.52	2.16	6.80	256.21	12.90	0.00	1686.33
2/27/15 11:50	138.68	2.16	6.80	256.19	12.90	0.00	1686.35
2/27/15 11:50	138.85	2.16	6.80	256.07	12.90	0.00	1686.47
2/27/15 11:50	139.02	2.16	6.80	256.12	12.90	0.00	1686.42
2/27/15 11:50	139.18	2.16	6.80	255.73	12.90	0.00	1686.81
2/27/15 11:50	139.35	2.16	6.80	255.72	12.90	0.00	1686.82
2/27/15 11:50	139.52	2.16	6.80	255.77	12.90	0.00	1686.77
2/27/15 11:51	139.68	2.16	6.77	255.81	12.90	0.00	1686.73
2/27/15 11:51	139.85	2.16	6.77	255.60	12.90	0.00	1686.93
2/27/15 11:51	140.02	2.16	6.77	255.63	12.90	0.00	1686.91
2/27/15 11:51	140.18	2.16	6.77	255.61	12.90	0.00	1686.93
2/27/15 11:51	140.35	2.16	6.77	255.60	12.90	0.00	1686.93
2/27/15 11:51	140.52	2.16	6.77	255.70	12.90	0.00	1686.84
2/27/15 11:52	140.68	2.16	6.75	255.82	12.90	0.00	1686.72
2/27/15 11:52	140.85	2.16	6.75	255.36	12.90	0.00	1687.18
2/27/15 11:52	141.02	2.16	6.75	255.52	12.90	0.00	1687.02
2/27/15 11:52	141.18	2.16	6.75	255.43	12.90	0.00	1687.11
2/27/15 11:52	141.35	2.16	6.75	255.36	12.90	0.00	1687.17
2/27/15 11:52	141.52	2.16	6.75	255.33	12.90	0.00	1687.21
2/27/15 11:53	141.68	2.16	6.72	255.22	12.90	0.00	1687.32
2/27/15 11:53	141.85	2.16	6.72	255.05	12.90	0.00	1687.49
2/27/15 11:53	142.02	2.16	6.72	254.93	12.90	0.00	1687.60
2/27/15 11:53	142.18	2.16	6.72	254.82	12.90	0.00	1687.72
2/27/15 11:53	142.35	2.16	6.70	254.68	12.90	0.00	1687.86
2/27/15 11:53	142.52	2.17	6.70	254.65	12.90	0.00	1687.88
2/27/15 11:54	142.68	2.16	6.70	254.65	12.90	0.00	1687.88
2/27/15 11:54	142.85	2.16	6.70	254.48	12.90	0.00	1688.06
2/27/15 11:54	143.02	2.16	6.68	254.41	12.90	0.00	1688.12
2/27/15 11:54	143.18	2.16	6.68	254.43	12.90	0.00	1688.11
2/27/15 11:54	143.35	2.16	6.68	254.28	12.90	0.00	1688.26
2/27/15 11:54	143.52	2.17	6.65	254.22	12.90	0.00	1688.31
2/27/15 11:55	143.68	2.16	6.65	254.19	12.90	0.00	1688.35
2/27/15 11:55	143.85	2.16	6.63	254.24	12.90	0.00	1688.30
2/27/15 11:55	144.02	2.16	6.63	254.31	12.90	0.00	1688.23
2/27/15 11:55	144.18	2.16	6.60	254.23	12.90	0.00	1688.31
2/27/15 11:55	144.35	2.16	6.60	254.33	12.90	0.00	1688.21
2/27/15 11:55	144.52	2.16	6.58	254.19	12.90	0.00	1688.35
2/27/15 11:56	144.68	2.16	6.58	254.00	12.90	0.00	1688.54
2/27/15 11:56	144.85	2.16	6.55	254.04	12.90	0.00	1688.50
2/27/15 11:56	145.02	2.16	6.55	253.83	12.90	0.00	1688.71
2/27/15 11:56	145.18	2.16	6.53	253.79	12.90	0.00	1688.74
2/27/15 11:56	145.35	2.16	6.53	253.82	12.90	0.00	1688.72
2/27/15 11:56	145.52	2.16	6.50	253.50	12.90	0.00	1689.04
2/27/15 11:57	145.68	2.16	6.50	253.45	12.90	0.00	1689.09
2/27/15 11:57	145.85	2.16	6.48	253.55	12.90	0.00	1688.99
2/27/15 11:57	146.02	2.17	6.48	253.62	12.90	0.00	1688.92
2/27/15 11:57	146.18	2.16	6.45	253.61	12.90	0.00	1688.93
2/27/15 11:57	146.35	2.17	6.45	253.51	12.90	0.00	1689.02
2/27/15 11:57	146.52	2.16	6.43	253.53	12.90	0.00	1689.01
2/27/15 11:58	146.68	2.16	6.43	253.74	12.90	0.00	1688.80
2/27/15 11:58	146.85	2.16	6.43	253.65	12.90	0.00	1688.88
2/27/15 11:58	147.02	2.16	6.43	253.74	12.90	0.00	1688.80
2/27/15 11:58	147.18	2.16	6.40	253.29	12.90	0.00	1689.25
2/27/15 11:58	147.35	2.16	6.40	253.36	12.90	0.00	1689.18
2/27/15 11:58	147.52	2.16	6.40	253.33	12.90	0.00	1689.21
2/27/15 11:59	147.68	2.16	6.40	253.23	12.90	0.00	1689.31
2/27/15 11:59	147.85	2.16	6.40	253.34	12.90	0.00	1689.20
2/27/15 11:59	148.02	2.16	6.40	253.21	12.90	0.00	1689.33
2/27/15 11:59	148.18	2.16	6.40	252.94	12.90	0.00	1689.59
2/27/15 11:59	148.35	2.16	6.40	252.80	12.90	0.00	1689.73
2/27/15 11:59	148.52	2.16	6.40	252.64	12.90	0.00	1689.90
2/27/15 12:00	148.68	2.16	6.40	252.49	12.90	0.00	1690.05
2/27/15 12:00	148.85	2.16	6.43	252.51	12.90	0.00	1690.03
2/27/15 12:00	149.02	2.16	6.43	252.34	12.90	0.00	1690.20
2/27/15 12:00	149.18	2.16	6.43	252.34	12.90	0.00	1690.20
2/27/15 12:00	149.35	2.16	6.45	252.19	12.90	0.00	1690.34

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 12:00	149.52	2.16	6.45	252.20	12.90	0.00	1690.34
2/27/15 12:01	149.68	2.16	6.45	252.17	12.90	0.00	1690.37
2/27/15 12:01	149.85	2.16	6.48	252.09	12.90	0.00	1690.45
2/27/15 12:01	150.02	2.16	6.48	252.14	12.90	0.00	1690.40
2/27/15 12:01	150.18	2.16	6.50	252.04	12.90	0.00	1690.50
2/27/15 12:01	150.35	2.16	6.50	252.01	12.90	0.00	1690.53
2/27/15 12:01	150.52	2.16	6.53	251.93	12.90	0.00	1690.61
2/27/15 12:02	150.68	2.16	6.53	252.06	12.90	0.00	1690.48
2/27/15 12:02	150.85	2.16	6.55	251.91	12.90	0.00	1690.62
2/27/15 12:02	151.02	2.16	6.55	251.72	12.90	0.00	1690.81
2/27/15 12:02	151.18	2.16	6.58	251.83	12.90	0.00	1690.71
2/27/15 12:02	151.35	2.16	6.60	251.74	12.90	0.00	1690.80
2/27/15 12:02	151.52	2.16	6.60	251.67	12.90	0.00	1690.86
2/27/15 12:03	151.68	2.16	6.63	251.65	12.90	0.00	1690.89
2/27/15 12:03	151.85	2.16	6.63	251.37	12.90	0.00	1691.17
2/27/15 12:03	152.02	2.16	6.65	251.37	12.90	0.00	1691.17
2/27/15 12:03	152.18	2.16	6.68	251.26	12.90	0.00	1691.28
2/27/15 12:03	152.35	2.16	6.68	251.39	12.90	0.00	1691.14
2/27/15 12:03	152.52	2.16	6.70	251.56	12.90	0.00	1690.98
2/27/15 12:04	152.68	2.16	6.72	251.49	12.90	0.00	1691.05
2/27/15 12:04	152.85	2.16	6.72	251.34	12.90	0.00	1691.20
2/27/15 12:04	153.02	2.16	6.75	251.34	12.90	0.00	1691.19
2/27/15 12:04	153.18	2.16	6.77	251.47	12.90	0.00	1691.07
2/27/15 12:04	153.35	2.16	6.77	251.57	12.90	0.00	1690.97
2/27/15 12:04	153.52	2.16	6.80	251.50	12.90	0.00	1691.04
2/27/15 12:05	153.68	2.16	6.82	251.45	12.90	0.00	1691.09
2/27/15 12:05	153.85	2.16	6.85	251.40	12.90	0.00	1691.14
2/27/15 12:05	154.02	2.16	6.85	251.07	12.90	0.00	1691.47
2/27/15 12:05	154.18	2.16	6.87	250.81	12.90	0.00	1691.73
2/27/15 12:05	154.35	2.16	6.90	251.10	12.90	0.00	1691.44
2/27/15 12:05	154.52	2.16	6.90	250.92	12.90	0.00	1691.62
2/27/15 12:06	154.68	2.16	6.92	250.66	12.90	0.00	1691.88
2/27/15 12:06	154.85	2.16	6.95	250.63	12.90	0.00	1691.91
2/27/15 12:06	155.02	2.16	6.95	250.63	12.90	0.00	1691.91
2/27/15 12:06	155.18	2.16	6.97	250.67	12.90	0.00	1691.87
2/27/15 12:06	155.35	2.16	7.00	250.44	12.90	0.00	1692.10
2/27/15 12:06	155.52	2.16	7.00	250.25	12.90	0.00	1692.29
2/27/15 12:07	155.68	2.16	7.02	250.48	12.90	0.00	1692.06
2/27/15 12:07	155.85	2.16	7.04	250.15	12.90	0.00	1692.39
2/27/15 12:07	156.02	2.16	7.04	249.99	12.90	0.00	1692.55
2/27/15 12:07	156.18	2.16	7.07	250.08	12.90	0.00	1692.46
2/27/15 12:07	156.35	2.16	7.09	250.19	12.90	0.00	1692.35
2/27/15 12:07	156.52	2.16	7.09	249.95	12.90	0.00	1692.59
2/27/15 12:08	156.68	2.16	7.12	249.96	12.90	0.00	1692.58
2/27/15 12:08	156.85	2.16	7.14	250.11	13.00	0.00	1692.43
2/27/15 12:08	157.02	2.16	7.14	249.84	12.90	0.00	1692.70
2/27/15 12:08	157.18	2.16	7.17	249.83	13.00	0.00	1692.71
2/27/15 12:08	157.35	2.16	7.19	249.78	13.00	0.00	1692.76
2/27/15 12:08	157.52	2.16	7.22	249.74	13.00	0.00	1692.80
2/27/15 12:09	157.68	2.16	7.22	249.78	13.00	0.00	1692.76
2/27/15 12:09	157.85	2.16	7.24	249.69	13.00	0.00	1692.85
2/27/15 12:09	158.02	2.16	7.27	249.60	13.00	0.00	1692.94
2/27/15 12:09	158.18	2.16	7.29	249.67	13.00	0.00	1692.87
2/27/15 12:09	158.35	2.16	7.29	249.23	13.00	0.00	1693.31
2/27/15 12:09	158.52	2.16	7.32	248.96	13.00	0.00	1693.57
2/27/15 12:10	158.68	2.16	7.34	249.20	13.00	0.00	1693.34
2/27/15 12:10	158.85	2.16	7.37	249.06	13.00	0.00	1693.48
2/27/15 12:10	159.02	2.16	7.37	249.27	13.00	0.00	1693.27
2/27/15 12:10	159.18	2.16	7.39	249.22	13.00	0.00	1693.32
2/27/15 12:10	159.35	2.16	7.41	249.22	13.00	0.00	1693.32
2/27/15 12:10	159.52	2.16	7.44	249.24	13.00	0.00	1693.29
2/27/15 12:11	159.68	2.16	7.44	249.28	13.00	0.00	1693.26
2/27/15 12:11	159.85	2.16	7.46	249.35	13.00	0.00	1693.19
2/27/15 12:11	160.02	2.16	7.49	249.46	13.00	0.00	1693.08
2/27/15 12:11	160.18	2.16	7.51	249.42	13.00	0.00	1693.12
2/27/15 12:11	160.35	2.16	7.51	249.31	13.00	0.00	1693.23
2/27/15 12:11	160.52	2.16	7.54	249.33	13.00	0.00	1693.21
2/27/15 12:12	160.68	2.16	7.56	249.12	13.00	0.00	1693.42
2/27/15 12:12	160.85	2.16	7.59	248.81	13.00	0.00	1693.73

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 12:12	161.02	2.16	7.59	248.82	13.00	0.00	1693.72
2/27/15 12:12	161.18	2.16	7.61	248.84	13.00	0.00	1693.70
2/27/15 12:12	161.35	2.16	7.64	248.66	13.00	0.00	1693.88
2/27/15 12:12	161.52	2.16	7.64	248.49	13.00	0.00	1694.05
2/27/15 12:13	161.68	2.16	7.66	248.58	13.00	0.00	1693.96
2/27/15 12:13	161.85	2.16	7.69	248.33	13.00	0.00	1694.21
2/27/15 12:13	162.02	2.16	7.69	248.51	13.00	0.00	1694.03
2/27/15 12:13	162.18	2.16	7.71	248.31	13.00	0.00	1694.23
2/27/15 12:13	162.35	2.16	7.74	248.24	13.00	0.00	1694.30
2/27/15 12:13	162.52	2.16	7.76	248.18	13.00	0.00	1694.36
2/27/15 12:14	162.68	2.16	7.76	248.01	13.00	0.00	1694.53
2/27/15 12:14	162.85	2.16	7.78	248.13	13.00	0.00	1694.41
2/27/15 12:14	163.02	2.16	7.81	248.00	13.00	0.00	1694.54
2/27/15 12:14	163.18	2.16	7.81	247.89	13.00	0.00	1694.65
2/27/15 12:14	163.35	2.16	7.83	247.99	13.00	0.00	1694.55
2/27/15 12:14	163.52	2.16	7.86	247.83	13.00	0.00	1694.71
2/27/15 12:15	163.68	2.16	7.86	248.05	13.00	0.00	1694.49
2/27/15 12:15	163.85	2.16	7.88	247.84	13.00	0.00	1694.70
2/27/15 12:15	164.02	2.16	7.91	247.64	13.00	0.00	1694.90
2/27/15 12:15	164.18	2.16	7.91	247.72	13.00	0.00	1694.82
2/27/15 12:15	164.35	2.16	7.93	247.60	13.00	0.00	1694.94
2/27/15 12:15	164.52	2.16	7.96	247.69	13.00	0.00	1694.85
2/27/15 12:16	164.68	2.16	7.96	247.54	13.00	0.00	1695.00
2/27/15 12:16	164.85	2.16	7.98	247.34	13.00	0.00	1695.19
2/27/15 12:16	165.02	2.16	8.01	247.36	13.00	0.00	1695.18
2/27/15 12:16	165.18	2.16	8.01	247.48	13.00	0.00	1695.05
2/27/15 12:16	165.35	2.16	8.03	247.10	13.00	0.00	1695.44
2/27/15 12:16	165.52	2.16	8.06	247.02	13.00	0.00	1695.52
2/27/15 12:17	165.68	2.16	8.06	246.77	13.00	0.00	1695.77
2/27/15 12:17	165.85	2.16	8.08	246.89	13.00	0.00	1695.65
2/27/15 12:17	166.02	2.16	8.11	246.86	13.00	0.00	1695.68
2/27/15 12:17	166.18	2.16	8.11	246.90	13.00	0.00	1695.64
2/27/15 12:17	166.35	2.16	8.13	247.02	13.00	0.00	1695.51
2/27/15 12:17	166.52	2.16	8.16	247.10	13.00	0.00	1695.44
2/27/15 12:18	166.68	2.16	8.16	247.02	13.00	0.00	1695.51
2/27/15 12:18	166.85	2.17	8.18	247.24	13.00	0.00	1695.30
2/27/15 12:18	167.02	2.16	8.21	247.20	13.00	0.00	1695.34
2/27/15 12:18	167.18	2.16	8.21	247.25	13.00	0.00	1695.28
2/27/15 12:18	167.35	2.17	8.23	247.30	13.00	0.00	1695.23
2/27/15 12:18	167.52	2.16	8.23	247.09	13.00	0.00	1695.45
2/27/15 12:19	167.68	2.16	8.25	247.18	13.00	0.00	1695.36
2/27/15 12:19	167.85	2.16	8.25	247.00	13.00	0.00	1695.54
2/27/15 12:19	168.02	2.16	8.28	246.74	13.00	0.00	1695.80
2/27/15 12:19	168.18	2.16	8.28	246.74	13.00	0.00	1695.79
2/27/15 12:19	168.35	2.16	8.28	246.65	13.00	0.00	1695.89
2/27/15 12:19	168.52	2.16	8.30	246.54	13.00	0.00	1696.00
2/27/15 12:20	168.68	2.16	8.30	246.41	13.00	0.00	1696.13
2/27/15 12:20	168.85	2.17	8.30	246.20	13.00	0.00	1696.34
2/27/15 12:20	169.02	2.16	8.30	246.18	13.00	0.00	1696.36
2/27/15 12:20	169.18	2.17	8.30	246.23	13.00	0.00	1696.31
2/27/15 12:20	169.35	2.16	8.30	245.87	13.00	0.00	1696.67
2/27/15 12:20	169.52	2.16	8.33	246.02	13.00	0.00	1696.52
2/27/15 12:21	169.68	2.16	8.33	246.02	13.00	0.00	1696.52
2/27/15 12:21	169.85	2.17	8.33	245.81	13.00	0.00	1696.73
2/27/15 12:21	170.02	2.16	8.33	245.91	13.00	0.00	1696.63
2/27/15 12:21	170.18	2.16	8.33	245.78	13.00	0.00	1696.75
2/27/15 12:21	170.35	2.16	8.33	245.84	13.00	0.00	1696.70
2/27/15 12:21	170.52	2.17	8.30	245.55	13.00	0.00	1696.99
2/27/15 12:22	170.68	2.17	8.30	245.52	13.00	0.00	1697.02
2/27/15 12:22	170.85	2.16	8.30	245.57	13.00	0.00	1696.97
2/27/15 12:22	171.02	2.16	8.30	245.46	13.00	0.00	1697.08
2/27/15 12:22	171.18	2.17	8.30	245.56	13.00	0.00	1696.98
2/27/15 12:22	171.35	2.17	8.30	245.39	13.00	0.00	1697.15
2/27/15 12:22	171.52	2.17	8.30	245.46	13.00	0.00	1697.07
2/27/15 12:23	171.68	2.17	8.28	245.34	13.00	0.00	1697.20
2/27/15 12:23	171.85	2.16	8.28	245.30	13.00	0.00	1697.24
2/27/15 12:23	172.02	2.17	8.28	245.27	13.00	0.00	1697.26
2/27/15 12:23	172.18	2.17	8.28	245.23	13.00	0.00	1697.31
2/27/15 12:23	172.35	2.17	8.25	245.12	13.00	0.00	1697.42

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 12:23	172.52	2.17	8.25	245.31	13.00	0.00	1697.23
2/27/15 12:24	172.68	2.16	8.25	245.02	13.00	0.00	1697.52
2/27/15 12:24	172.85	2.16	8.25	245.05	13.00	0.00	1697.49
2/27/15 12:24	173.02	2.16	8.23	245.04	13.00	0.00	1697.50
2/27/15 12:24	173.18	2.17	8.23	244.87	13.00	0.00	1697.67
2/27/15 12:24	173.35	2.17	8.23	244.88	13.00	0.00	1697.66
2/27/15 12:24	173.52	2.16	8.21	244.76	13.00	0.00	1697.78
2/27/15 12:25	173.68	2.17	8.21	244.76	13.00	0.00	1697.78
2/27/15 12:25	173.85	2.17	8.21	244.82	13.00	0.00	1697.72
2/27/15 12:25	174.02	2.17	8.18	244.89	13.00	0.00	1697.65
2/27/15 12:25	174.18	2.16	8.18	244.84	13.00	0.00	1697.70
2/27/15 12:25	174.35	2.15	8.18	244.91	13.00	0.00	1697.62
2/27/15 12:25	174.52	2.17	8.16	244.93	13.00	0.00	1697.61
2/27/15 12:26	174.68	2.17	8.16	244.89	13.00	0.00	1697.65
2/27/15 12:26	174.85	2.17	8.16	245.02	13.00	0.00	1697.52
2/27/15 12:26	175.02	2.17	8.13	244.77	13.00	0.00	1697.76
2/27/15 12:26	175.18	2.18	8.13	244.68	13.00	0.00	1697.85
2/27/15 12:26	175.35	2.16	8.11	244.57	13.00	0.00	1697.97
2/27/15 12:26	175.52	2.17	8.11	244.43	13.00	0.00	1698.11
2/27/15 12:27	175.68	2.17	8.08	244.33	13.00	0.00	1698.21
2/27/15 12:27	175.85	2.15	8.08	244.27	13.00	0.00	1698.27
2/27/15 12:27	176.02	2.17	8.06	244.16	13.00	0.00	1698.38
2/27/15 12:27	176.18	2.16	8.06	244.21	13.00	0.00	1698.33
2/27/15 12:27	176.35	2.17	8.03	244.13	13.00	0.00	1698.41
2/27/15 12:27	176.52	2.17	8.03	244.06	13.00	0.00	1698.48
2/27/15 12:28	176.68	2.17	8.01	243.84	13.00	0.00	1698.70
2/27/15 12:28	176.85	2.15	8.01	243.99	13.00	0.00	1698.55
2/27/15 12:28	177.02	2.17	7.98	243.83	13.00	0.00	1698.71
2/27/15 12:28	177.18	2.17	7.98	244.00	13.00	0.00	1698.53
2/27/15 12:28	177.35	2.18	7.96	243.85	13.00	0.00	1698.69
2/27/15 12:28	177.52	2.17	7.93	243.69	13.00	0.00	1698.85
2/27/15 12:29	177.68	2.15	7.93	243.84	13.00	0.00	1698.70
2/27/15 12:29	177.85	2.16	7.91	243.48	13.00	0.00	1699.06
2/27/15 12:29	178.02	2.16	7.91	243.68	13.00	0.00	1698.86
2/27/15 12:29	178.18	2.15	7.88	243.37	13.00	0.00	1699.17
2/27/15 12:29	178.35	2.17	7.86	243.52	13.00	0.00	1699.02
2/27/15 12:29	178.52	2.17	7.86	243.45	13.00	0.00	1699.08
2/27/15 12:30	178.68	2.17	7.83	243.39	13.00	0.00	1699.15
2/27/15 12:30	178.85	2.15	7.81	243.44	13.00	0.00	1699.10
2/27/15 12:30	179.02	2.16	7.81	243.20	13.00	0.00	1699.34
2/27/15 12:30	179.18	2.17	7.78	243.07	13.00	0.00	1699.47
2/27/15 12:30	179.35	2.17	7.76	242.97	13.00	0.00	1699.57
2/27/15 12:30	179.52	2.17	7.76	243.40	13.00	0.00	1699.14
2/27/15 12:31	179.68	2.17	7.74	243.39	13.00	0.00	1699.15
2/27/15 12:31	179.85	2.17	7.74	242.89	13.00	0.00	1699.65
2/27/15 12:31	180.02	2.17	7.71	242.70	13.00	0.00	1699.84
2/27/15 12:31	180.18	2.17	7.71	242.75	13.00	0.00	1699.79
2/27/15 12:31	180.35	2.16	7.69	242.40	13.00	0.00	1700.13
2/27/15 12:31	180.52	2.17	7.69	242.47	13.00	0.00	1700.07
2/27/15 12:32	180.68	2.17	7.66	242.63	13.00	0.00	1699.91
2/27/15 12:32	180.85	2.15	7.66	242.87	13.00	0.00	1699.67
2/27/15 12:32	181.02	2.17	7.66	242.66	13.00	0.00	1699.88
2/27/15 12:32	181.18	2.16	7.66	242.62	13.00	0.00	1699.92
2/27/15 12:32	181.35	2.17	7.64	242.55	13.10	0.00	1699.99
2/27/15 12:32	181.52	2.17	7.64	242.72	13.10	0.00	1699.81
2/27/15 12:33	181.68	2.17	7.64	242.66	13.10	0.00	1699.88
2/27/15 12:33	181.85	2.16	7.64	242.65	13.00	0.00	1699.89
2/27/15 12:33	182.02	2.17	7.61	242.62	13.00	0.00	1699.92
2/27/15 12:33	182.18	2.17	7.61	242.84	13.00	0.00	1699.70
2/27/15 12:33	182.35	2.17	7.61	242.49	13.00	0.00	1700.05
2/27/15 12:33	182.52	2.17	7.61	242.27	13.00	0.00	1700.27
2/27/15 12:34	182.68	2.17	7.61	242.35	13.00	0.00	1700.19
2/27/15 12:34	182.85	2.15	7.59	242.16	13.00	0.00	1700.38
2/27/15 12:34	183.02	2.17	7.59	242.23	13.10	0.00	1700.31
2/27/15 12:34	183.18	2.17	7.59	242.03	13.10	0.00	1700.51
2/27/15 12:34	183.35	2.15	7.59	241.97	13.00	0.00	1700.57
2/27/15 12:34	183.52	2.17	7.56	241.71	13.10	0.00	1700.83
2/27/15 12:35	183.68	2.17	7.56	241.83	13.10	0.00	1700.71
2/27/15 12:35	183.85	2.17	7.56	241.76	13.00	0.00	1700.78

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 12:35	184.02	2.17	7.56	241.83	13.00	0.00	1700.71
2/27/15 12:35	184.18	2.16	7.54	241.48	13.00	0.00	1701.06
2/27/15 12:35	184.35	2.16	7.54	241.66	13.10	0.00	1700.88
2/27/15 12:35	184.52	2.17	7.54	241.53	13.10	0.00	1701.01
2/27/15 12:36	184.68	2.16	7.54	241.59	13.10	0.00	1700.95
2/27/15 12:36	184.85	2.15	7.54	241.60	13.10	0.00	1700.94
2/27/15 12:36	185.02	2.16	7.54	241.58	13.10	0.00	1700.96
2/27/15 12:36	185.18	2.17	7.51	241.28	13.10	0.00	1701.26
2/27/15 12:36	185.35	2.17	7.51	241.36	13.10	0.00	1701.18
2/27/15 12:36	185.52	2.13	7.56	241.30	13.10	0.00	1701.24
2/27/15 12:37	185.68	2.12	7.69	241.24	13.10	0.00	1701.30
2/27/15 12:37	185.85	2.11	7.76	241.35	13.10	0.00	1701.19
2/27/15 12:37	186.02	2.12	7.83	241.05	13.10	0.00	1701.49
2/27/15 12:37	186.18	2.11	7.86	241.18	13.10	0.00	1701.36
2/27/15 12:37	186.35	2.11	7.91	241.00	13.10	0.00	1701.54
2/27/15 12:37	186.52	2.11	7.93	241.04	13.00	0.00	1701.50
2/27/15 12:38	186.68	2.12	7.91	240.81	13.10	0.00	1701.73
2/27/15 12:38	186.85	2.15	7.86	240.94	13.10	0.00	1701.60
2/27/15 12:38	187.02	2.15	7.78	240.77	13.10	0.00	1701.77
2/27/15 12:38	187.18	2.15	7.71	240.74	13.10	0.00	1701.80
2/27/15 12:38	187.35	2.16	7.69	240.93	13.10	0.00	1701.61
2/27/15 12:38	187.52	2.16	7.66	240.74	13.10	0.00	1701.79
2/27/15 12:39	187.68	2.16	7.64	240.59	13.10	0.00	1701.95
2/27/15 12:39	187.85	2.16	7.61	240.44	13.00	0.00	1702.10
2/27/15 12:39	188.02	2.16	7.59	240.51	13.10	0.00	1702.02
2/27/15 12:39	188.18	2.16	7.59	240.55	13.10	0.00	1701.99
2/27/15 12:39	188.35	2.16	7.56	240.56	13.10	0.00	1701.97
2/27/15 12:39	188.52	2.16	7.56	240.73	13.10	0.00	1701.81
2/27/15 12:40	188.68	2.16	7.54	240.63	13.10	0.00	1701.91
2/27/15 12:40	188.85	2.16	7.54	240.33	13.00	0.00	1702.20
2/27/15 12:40	189.02	2.16	7.51	240.45	13.00	0.00	1702.09
2/27/15 12:40	189.18	2.16	7.51	240.50	13.10	0.00	1702.04
2/27/15 12:40	189.35	2.16	7.51	240.50	13.10	0.00	1702.04
2/27/15 12:40	189.52	2.16	7.49	240.39	13.10	0.00	1702.15
2/27/15 12:41	189.68	2.16	7.49	240.47	13.10	0.00	1702.06
2/27/15 12:41	189.85	2.16	7.46	240.43	13.10	0.00	1702.11
2/27/15 12:41	190.02	2.16	7.46	240.14	13.10	0.00	1702.40
2/27/15 12:41	190.18	2.16	7.46	240.07	13.10	0.00	1702.47
2/27/15 12:41	190.35	2.16	7.44	239.99	13.10	0.00	1702.55
2/27/15 12:41	190.52	2.16	7.44	239.95	13.10	0.00	1702.59
2/27/15 12:42	190.68	2.16	7.41	239.86	13.10	0.00	1702.68
2/27/15 12:42	190.85	2.16	7.41	239.83	13.00	0.00	1702.71
2/27/15 12:42	191.02	2.12	7.46	239.86	13.10	0.00	1702.68
2/27/15 12:42	191.18	2.16	7.54	239.62	13.00	0.00	1702.92
2/27/15 12:42	191.35	2.16	7.49	239.64	13.10	0.00	1702.90
2/27/15 12:42	191.52	2.16	7.46	239.47	13.10	0.00	1703.07
2/27/15 12:43	191.68	2.16	7.44	239.57	13.10	0.00	1702.97
2/27/15 12:43	191.85	2.16	7.41	239.47	13.10	0.00	1703.07
2/27/15 12:43	192.02	2.16	7.41	239.48	13.00	0.00	1703.05
2/27/15 12:43	192.18	2.16	7.41	239.34	13.10	0.00	1703.20
2/27/15 12:43	192.35	2.16	7.39	239.59	13.10	0.00	1702.95
2/27/15 12:43	192.52	2.16	7.39	239.27	13.10	0.00	1703.27
2/27/15 12:44	192.68	2.16	7.39	239.35	13.10	0.00	1703.18
2/27/15 12:44	192.85	2.16	7.39	239.20	13.10	0.00	1703.34
2/27/15 12:44	193.02	2.16	7.39	239.19	13.10	0.00	1703.35
2/27/15 12:44	193.18	2.16	7.39	239.22	13.00	0.00	1703.32
2/27/15 12:44	193.35	2.16	7.39	238.93	13.10	0.00	1703.61
2/27/15 12:44	193.52	2.16	7.39	239.16	13.10	0.00	1703.38
2/27/15 12:45	193.68	2.16	7.39	238.97	13.10	0.00	1703.57
2/27/15 12:45	193.85	2.16	7.39	238.78	13.10	0.00	1703.76
2/27/15 12:45	194.02	2.16	7.39	238.90	13.10	0.00	1703.64
2/27/15 12:45	194.18	2.16	7.39	239.02	13.10	0.00	1703.52
2/27/15 12:45	194.35	2.16	7.39	238.63	13.10	0.00	1703.91
2/27/15 12:45	194.52	2.16	7.39	238.84	13.10	0.00	1703.70
2/27/15 12:46	194.68	2.16	7.39	238.69	13.10	0.00	1703.85
2/27/15 12:46	194.85	2.16	7.39	238.66	13.10	0.00	1703.88
2/27/15 12:46	195.02	2.16	7.39	238.70	13.10	0.00	1703.84
2/27/15 12:46	195.18	2.16	7.39	238.37	13.10	0.00	1704.16
2/27/15 12:46	195.35	2.16	7.39	238.49	13.10	0.00	1704.05

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 12:46	195.52	2.16	7.41	238.43	13.10	0.00	1704.11
2/27/15 12:47	195.68	2.16	7.41	238.28	13.10	0.00	1704.25
2/27/15 12:47	195.85	2.16	7.41	238.36	13.10	0.00	1704.18
2/27/15 12:47	196.02	2.16	7.41	238.13	13.10	0.00	1704.41
2/27/15 12:47	196.18	2.16	7.41	238.36	13.10	0.00	1704.18
2/27/15 12:47	196.35	2.16	7.41	238.18	13.10	0.00	1704.36
2/27/15 12:47	196.52	2.16	7.41	238.23	13.10	0.00	1704.30
2/27/15 12:48	196.68	2.16	7.41	238.19	13.10	0.00	1704.35
2/27/15 12:48	196.85	2.16	7.41	238.48	13.10	0.00	1704.06
2/27/15 12:48	197.02	2.16	7.41	238.20	13.10	0.00	1704.34
2/27/15 12:48	197.18	2.16	7.41	238.05	13.10	0.00	1704.49
2/27/15 12:48	197.35	2.16	7.41	238.11	13.10	0.00	1704.43
2/27/15 12:48	197.52	2.16	7.41	238.12	13.10	0.00	1704.42
2/27/15 12:49	197.68	2.16	7.44	238.00	13.10	0.00	1704.54
2/27/15 12:49	197.85	2.16	7.44	237.80	13.10	0.00	1704.74
2/27/15 12:49	198.02	2.16	7.44	237.78	13.10	0.00	1704.76
2/27/15 12:49	198.18	2.16	7.44	237.64	13.10	0.00	1704.90
2/27/15 12:49	198.35	2.16	7.44	237.74	13.10	0.00	1704.80
2/27/15 12:49	198.52	2.16	7.44	237.67	13.10	0.00	1704.87
2/27/15 12:50	198.68	2.16	7.44	237.74	13.10	0.00	1704.80
2/27/15 12:50	198.85	2.16	7.44	237.69	13.10	0.00	1704.85
2/27/15 12:50	199.02	2.16	7.44	237.58	13.10	0.00	1704.96
2/27/15 12:50	199.18	2.16	7.44	237.61	13.10	0.00	1704.93
2/27/15 12:50	199.35	2.16	7.46	237.62	13.10	0.00	1704.92
2/27/15 12:50	199.52	2.16	7.46	237.31	13.10	0.00	1705.23
2/27/15 12:51	199.68	2.16	7.46	237.16	13.10	0.00	1705.38
2/27/15 12:51	199.85	2.16	7.46	237.30	13.10	0.00	1705.23
2/27/15 12:51	200.02	2.16	7.46	237.26	13.10	0.00	1705.28
2/27/15 12:51	200.18	2.16	7.49	237.06	13.10	0.00	1705.48
2/27/15 12:51	200.35	2.16	7.49	237.35	13.10	0.00	1705.19
2/27/15 12:51	200.52	2.16	7.49	237.13	13.10	0.00	1705.41
2/27/15 12:52	200.68	2.16	7.51	236.89	13.10	0.00	1705.65
2/27/15 12:52	200.85	2.16	7.51	236.98	13.10	0.00	1705.56
2/27/15 12:52	201.02	2.16	7.51	236.93	13.10	0.00	1705.61
2/27/15 12:52	201.18	2.16	7.54	237.09	13.10	0.00	1705.45
2/27/15 12:52	201.35	2.16	7.54	236.90	13.10	0.00	1705.63
2/27/15 12:52	201.52	2.16	7.56	237.00	13.10	0.00	1705.54
2/27/15 12:53	201.68	2.16	7.56	236.74	13.10	0.00	1705.80
2/27/15 12:53	201.85	2.16	7.56	236.81	13.10	0.00	1705.73
2/27/15 12:53	202.02	2.16	7.59	236.75	13.10	0.00	1705.79
2/27/15 12:53	202.18	2.16	7.59	236.65	13.10	0.00	1705.89
2/27/15 12:53	202.35	2.16	7.61	236.41	13.10	0.00	1706.13
2/27/15 12:53	202.52	2.16	7.61	236.56	13.10	0.00	1705.98
2/27/15 12:54	202.68	2.16	7.64	236.53	13.10	0.00	1706.01
2/27/15 12:54	202.85	2.16	7.64	236.39	13.10	0.00	1706.15
2/27/15 12:54	203.02	2.16	7.66	236.12	13.10	0.00	1706.42
2/27/15 12:54	203.18	2.16	7.69	236.37	13.10	0.00	1706.16
2/27/15 12:54	203.35	2.16	7.69	236.19	13.10	0.00	1706.34
2/27/15 12:54	203.52	2.16	7.71	236.24	13.10	0.00	1706.29
2/27/15 12:55	203.68	2.15	7.71	236.23	13.10	0.00	1706.31
2/27/15 12:55	203.85	2.16	7.74	236.20	13.10	0.00	1706.34
2/27/15 12:55	204.02	2.16	7.74	236.04	13.10	0.00	1706.50
2/27/15 12:55	204.18	2.16	7.76	236.15	13.10	0.00	1706.39
2/27/15 12:55	204.35	2.16	7.78	236.09	13.10	0.00	1706.45
2/27/15 12:55	204.52	2.16	7.78	235.93	13.20	0.00	1706.60
2/27/15 12:56	204.68	2.16	7.81	235.91	13.10	0.00	1706.63
2/27/15 12:56	204.85	2.16	7.81	236.00	13.10	0.00	1706.54
2/27/15 12:56	205.02	2.16	7.83	235.98	13.10	0.00	1706.56
2/27/15 12:56	205.18	2.16	7.86	236.01	13.10	0.00	1706.53
2/27/15 12:56	205.35	2.16	7.86	235.92	13.10	0.00	1706.62
2/27/15 12:56	205.52	2.16	7.88	235.68	13.10	0.00	1706.86
2/27/15 12:57	205.68	2.16	7.88	235.75	13.10	0.00	1706.78
2/27/15 12:57	205.85	2.16	7.91	235.69	13.10	0.00	1706.85
2/27/15 12:57	206.02	2.16	7.93	235.56	13.10	0.00	1706.98
2/27/15 12:57	206.18	2.16	7.93	235.66	13.10	0.00	1706.88
2/27/15 12:57	206.35	2.15	7.96	235.63	13.10	0.00	1706.91
2/27/15 12:57	206.52	2.16	7.96	235.39	13.10	0.00	1707.15
2/27/15 12:58	206.68	2.16	7.98	235.34	13.10	0.00	1707.20
2/27/15 12:58	206.85	2.16	8.01	235.35	13.10	0.00	1707.19

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 12:58	207.02	2.16	8.01	235.21	13.10	0.00	1707.33
2/27/15 12:58	207.18	2.16	8.03	235.13	13.10	0.00	1707.41
2/27/15 12:58	207.35	2.16	8.03	235.24	13.10	0.00	1707.30
2/27/15 12:58	207.52	2.16	8.06	235.06	13.10	0.00	1707.48
2/27/15 12:59	207.68	2.16	8.08	235.09	13.10	0.00	1707.44
2/27/15 12:59	207.85	2.16	8.08	235.02	13.10	0.00	1707.52
2/27/15 12:59	208.02	2.15	8.08	234.97	13.10	0.00	1707.57
2/27/15 12:59	208.18	2.15	8.11	234.97	13.10	0.00	1707.57
2/27/15 12:59	208.35	2.16	8.11	235.06	13.10	0.00	1707.48
2/27/15 12:59	208.52	2.15	8.13	234.92	13.10	0.00	1707.62
2/27/15 13:00	208.68	2.16	8.13	234.89	13.10	0.00	1707.65
2/27/15 13:00	208.85	2.16	8.13	234.89	13.10	0.00	1707.65
2/27/15 13:00	209.02	2.16	8.16	234.65	13.10	0.00	1707.89
2/27/15 13:00	209.18	2.16	8.16	234.58	13.10	0.00	1707.96
2/27/15 13:00	209.35	2.16	8.16	234.71	13.10	0.00	1707.83
2/27/15 13:00	209.52	2.16	8.16	234.74	13.10	0.00	1707.80
2/27/15 13:01	209.68	2.16	8.18	234.71	13.10	0.00	1707.83
2/27/15 13:01	209.85	2.15	8.18	234.48	13.10	0.00	1708.06
2/27/15 13:01	210.02	2.16	8.18	234.36	13.20	0.00	1708.18
2/27/15 13:01	210.18	2.16	8.18	234.60	13.10	0.00	1707.94
2/27/15 13:01	210.35	2.15	8.18	234.23	13.10	0.00	1708.31
2/27/15 13:01	210.52	2.16	8.18	234.39	13.10	0.00	1708.14
2/27/15 13:02	210.68	2.16	8.18	233.99	13.10	0.00	1708.54
2/27/15 13:02	210.85	2.15	8.18	234.38	13.10	0.00	1708.16
2/27/15 13:02	211.02	2.16	8.18	234.16	13.10	0.00	1708.38
2/27/15 13:02	211.18	2.16	8.18	234.11	13.10	0.00	1708.43
2/27/15 13:02	211.35	2.15	8.18	234.11	13.10	0.00	1708.43
2/27/15 13:02	211.52	2.15	8.18	234.03	13.20	0.00	1708.51
2/27/15 13:03	211.68	2.16	8.18	233.92	13.10	0.00	1708.62
2/27/15 13:03	211.85	2.16	8.18	233.80	13.10	0.00	1708.74
2/27/15 13:03	212.02	2.16	8.16	233.95	13.10	0.00	1708.59
2/27/15 13:03	212.18	2.16	8.16	233.89	13.10	0.00	1708.65
2/27/15 13:03	212.35	2.16	8.16	233.90	13.10	0.00	1708.64
2/27/15 13:03	212.52	2.16	8.16	233.85	13.20	0.00	1708.69
2/27/15 13:04	212.68	2.16	8.13	233.72	13.10	0.00	1708.82
2/27/15 13:04	212.85	2.16	8.13	233.66	13.10	0.00	1708.88
2/27/15 13:04	213.02	2.16	8.13	233.66	13.10	0.00	1708.88
2/27/15 13:04	213.18	2.16	8.16	233.61	13.10	0.00	1708.93
2/27/15 13:04	213.35	2.16	8.16	233.50	13.10	0.00	1709.04
2/27/15 13:04	213.52	2.16	8.18	233.95	13.10	0.00	1708.58
2/27/15 13:05	213.68	2.15	8.21	233.42	13.10	0.00	1709.12
2/27/15 13:05	213.85	2.16	8.23	233.62	13.10	0.00	1708.92
2/27/15 13:05	214.02	2.16	8.25	233.35	13.10	0.00	1709.19
2/27/15 13:05	214.18	2.16	8.30	233.36	13.10	0.00	1709.18
2/27/15 13:05	214.35	2.15	8.33	233.23	13.10	0.00	1709.31
2/27/15 13:05	214.52	2.15	8.38	233.32	13.10	0.00	1709.22
2/27/15 13:06	214.68	2.16	8.40	233.06	13.10	0.00	1709.48
2/27/15 13:06	214.85	2.16	8.45	233.05	13.10	0.00	1709.49
2/27/15 13:06	215.02	2.15	8.50	232.97	13.10	0.00	1709.57
2/27/15 13:06	215.18	2.16	8.53	232.99	13.10	0.00	1709.55
2/27/15 13:06	215.35	2.16	8.58	232.98	13.10	0.00	1709.56
2/27/15 13:06	215.52	2.16	8.63	232.97	13.10	0.00	1709.57
2/27/15 13:07	215.68	2.15	8.68	232.89	13.10	0.00	1709.65
2/27/15 13:07	215.85	2.16	8.73	233.02	13.10	0.00	1709.52
2/27/15 13:07	216.02	2.15	8.78	232.81	13.10	0.00	1709.73
2/27/15 13:07	216.18	2.16	8.82	232.93	13.10	0.00	1709.61
2/27/15 13:07	216.35	2.15	8.87	232.66	13.10	0.00	1709.88
2/27/15 13:07	216.52	2.15	8.92	232.67	13.10	0.00	1709.87
2/27/15 13:08	216.68	2.16	8.97	232.56	13.10	0.00	1709.98
2/27/15 13:08	216.85	2.15	9.00	232.51	13.10	0.00	1710.03
2/27/15 13:08	217.02	2.16	9.05	232.73	13.10	0.00	1709.81
2/27/15 13:08	217.18	2.16	9.10	232.57	13.10	0.00	1709.97
2/27/15 13:08	217.35	2.15	9.15	232.44	13.10	0.00	1710.10
2/27/15 13:08	217.52	2.15	9.20	232.41	13.10	0.00	1710.13
2/27/15 13:09	217.68	2.16	9.22	232.45	13.10	0.00	1710.09
2/27/15 13:09	217.85	2.15	9.27	232.57	13.10	0.00	1709.97
2/27/15 13:09	218.02	2.16	9.32	232.55	13.10	0.00	1709.98
2/27/15 13:09	218.18	2.15	9.35	232.20	13.10	0.00	1710.33
2/27/15 13:09	218.35	2.16	9.40	232.28	13.10	0.00	1710.26

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 13:09	218.52	2.15	9.42	232.37	13.10	0.00	1710.16
2/27/15 13:10	218.68	2.15	9.47	232.32	13.20	0.00	1710.22
2/27/15 13:10	218.85	2.16	9.50	231.84	13.20	0.00	1710.70
2/27/15 13:10	219.02	2.15	9.52	231.90	13.20	0.00	1710.64
2/27/15 13:10	219.18	2.16	9.57	231.98	13.20	0.00	1710.56
2/27/15 13:10	219.35	2.15	9.60	231.74	13.20	0.00	1710.80
2/27/15 13:10	219.52	2.15	9.62	231.92	13.20	0.00	1710.62
2/27/15 13:11	219.68	2.16	9.65	231.83	13.20	0.00	1710.71
2/27/15 13:11	219.85	2.15	9.67	231.95	13.20	0.00	1710.59
2/27/15 13:11	220.02	2.16	9.69	231.97	13.20	0.00	1710.57
2/27/15 13:11	220.18	2.15	9.72	231.75	13.20	0.00	1710.79
2/27/15 13:11	220.35	2.15	9.74	231.97	13.20	0.00	1710.57
2/27/15 13:11	220.52	2.16	9.77	232.06	13.20	0.00	1710.48
2/27/15 13:12	220.68	2.15	9.79	232.26	13.20	0.00	1710.28
2/27/15 13:12	220.85	2.15	9.79	232.31	13.20	0.00	1710.23
2/27/15 13:12	221.02	2.16	9.82	232.48	13.20	0.00	1710.06
2/27/15 13:12	221.18	2.15	9.84	232.49	13.20	0.00	1710.05
2/27/15 13:12	221.35	2.16	9.84	232.39	13.20	0.00	1710.15
2/27/15 13:12	221.52	2.15	9.87	232.52	13.20	0.00	1710.02
2/27/15 13:13	221.68	2.15	9.87	232.52	13.20	0.00	1710.02
2/27/15 13:13	221.85	2.16	9.89	232.42	13.20	0.00	1710.12
2/27/15 13:13	222.02	2.16	9.89	232.58	13.20	0.00	1709.96
2/27/15 13:13	222.18	2.15	9.89	232.48	13.20	0.00	1710.06
2/27/15 13:13	222.35	2.15	9.92	232.46	13.20	0.00	1710.07
2/27/15 13:13	222.52	2.15	9.92	233.29	13.20	0.00	1709.25
2/27/15 13:14	222.68	2.15	9.92	234.17	13.20	0.00	1708.37
2/27/15 13:14	222.85	2.16	9.92	236.09	13.20	0.00	1706.45
2/27/15 13:14	223.02	2.15	9.92	237.11	13.20	0.00	1705.43
2/27/15 13:14	223.18	2.15	9.92	238.35	13.20	0.00	1704.19
2/27/15 13:14	223.35	2.15	9.89	239.75	13.20	0.00	1702.79
2/27/15 13:14	223.52	2.16	9.89	240.69	13.20	0.00	1701.85
2/27/15 13:15	223.68	2.15	9.89	242.00	13.20	0.00	1700.54
2/27/15 13:15	223.85	2.15	9.87	243.27	13.20	0.00	1699.27
2/27/15 13:15	224.02	2.15	9.87	244.38	13.20	0.00	1698.16
2/27/15 13:15	224.18	2.16	9.84	245.51	13.20	0.00	1697.03
2/27/15 13:15	224.35	2.15	9.84	246.72	13.20	0.00	1695.82
2/27/15 13:15	224.52	2.15	9.82	247.26	13.20	0.00	1695.28
2/27/15 13:16	224.68	2.16	9.79	248.50	13.20	0.00	1694.03
2/27/15 13:16	224.85	2.15	9.79	249.03	13.20	0.00	1693.51
2/27/15 13:16	225.02	2.15	9.77	250.36	13.20	0.00	1692.18
2/27/15 13:16	225.18	2.15	9.74	251.56	13.20	0.00	1690.98
2/27/15 13:16	225.35	2.15	9.72	252.25	13.20	0.00	1690.29
2/27/15 13:16	225.52	2.15	9.72	253.85	13.20	0.00	1688.69
2/27/15 13:17	225.68	2.16	9.69	254.15	13.20	0.00	1688.39
2/27/15 13:17	225.85	2.15	9.67	255.47	13.20	0.00	1687.07
2/27/15 13:17	226.02	2.15	9.65	256.06	13.20	0.00	1686.48
2/27/15 13:17	226.18	2.15	9.62	257.18	13.20	0.00	1685.36
2/27/15 13:17	226.35	2.16	9.62	257.83	13.20	0.00	1684.71
2/27/15 13:17	226.52	2.16	9.60	258.71	13.20	0.00	1683.83
2/27/15 13:18	226.68	2.15	9.57	259.98	13.20	0.00	1682.56
2/27/15 13:18	226.85	2.15	9.55	260.50	13.20	0.00	1682.04
2/27/15 13:18	227.02	2.15	9.55	261.14	13.20	0.00	1681.40
2/27/15 13:18	227.18	2.15	9.52	262.04	13.20	0.00	1680.50
2/27/15 13:18	227.35	2.15	9.50	263.14	13.20	0.00	1679.40
2/27/15 13:18	227.52	2.15	9.47	263.91	13.10	0.00	1678.63
2/27/15 13:19	227.68	2.15	9.47	264.30	13.10	0.00	1678.23
2/27/15 13:19	227.85	2.15	9.45	265.44	13.10	0.00	1677.10
2/27/15 13:19	228.02	2.15	9.42	266.21	13.10	0.00	1676.33
2/27/15 13:19	228.18	2.15	9.40	266.86	13.10	0.00	1675.68
2/27/15 13:19	228.35	2.15	9.37	267.54	13.10	0.00	1675.00
2/27/15 13:19	228.52	2.16	9.37	268.47	13.10	0.00	1674.07
2/27/15 13:20	228.68	2.15	9.35	269.51	13.10	0.00	1673.03
2/27/15 13:20	228.85	2.16	9.32	269.86	13.10	0.00	1672.68
2/27/15 13:20	229.02	2.15	9.30	270.71	13.10	0.00	1671.83
2/27/15 13:20	229.18	2.15	9.27	271.54	13.10	0.00	1671.00
2/27/15 13:20	229.35	2.15	9.25	272.28	13.10	0.00	1670.26
2/27/15 13:20	229.52	2.15	9.22	272.84	13.10	0.00	1669.70
2/27/15 13:21	229.68	2.16	9.20	273.86	13.10	0.00	1668.68
2/27/15 13:21	229.85	2.15	9.17	274.38	13.10	0.00	1668.15

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 13:21	230.02	2.15	9.15	274.99	13.10	0.00	1667.55
2/27/15 13:21	230.18	2.16	9.12	275.65	13.10	0.00	1666.89
2/27/15 13:21	230.35	2.16	9.10	276.71	13.10	0.00	1665.83
2/27/15 13:21	230.52	2.14	9.07	277.28	13.10	0.00	1665.26
2/27/15 13:22	230.68	2.15	9.05	277.95	13.10	0.00	1664.59
2/27/15 13:22	230.85	2.15	9.02	278.66	13.10	0.00	1663.88
2/27/15 13:22	231.02	2.15	9.00	279.56	13.10	0.00	1662.98
2/27/15 13:22	231.18	2.15	8.97	280.08	13.10	0.00	1662.46
2/27/15 13:22	231.35	2.14	8.95	281.20	13.10	0.00	1661.34
2/27/15 13:22	231.52	2.15	8.92	281.70	13.10	0.00	1660.84
2/27/15 13:23	231.68	2.15	8.90	282.38	13.10	0.00	1660.16
2/27/15 13:23	231.85	2.15	8.87	282.96	13.10	0.00	1659.58
2/27/15 13:23	232.02	2.15	8.85	283.56	13.10	0.00	1658.98
2/27/15 13:23	232.18	2.15	8.80	284.51	13.10	0.00	1658.03
2/27/15 13:23	232.35	2.15	8.80	285.04	13.10	0.00	1657.50
2/27/15 13:23	232.52	2.15	8.78	285.66	13.10	0.00	1656.88
2/27/15 13:24	232.68	2.15	8.75	286.35	13.10	0.00	1656.19
2/27/15 13:24	232.85	2.15	8.73	286.86	13.10	0.00	1655.68
2/27/15 13:24	233.02	2.15	8.70	287.47	13.10	0.00	1655.07
2/27/15 13:24	233.18	2.14	8.68	288.08	13.10	0.00	1654.46
2/27/15 13:24	233.35	2.14	8.65	288.60	13.10	0.00	1653.94
2/27/15 13:24	233.52	2.15	8.63	289.03	13.10	0.00	1653.51
2/27/15 13:25	233.68	2.15	8.60	289.54	13.10	0.00	1653.00
2/27/15 13:25	233.85	2.16	8.55	290.25	13.10	0.00	1652.29
2/27/15 13:25	234.02	2.16	8.53	290.91	13.00	0.00	1651.63
2/27/15 13:25	234.18	2.16	8.50	291.15	13.00	0.00	1651.39
2/27/15 13:25	234.35	2.15	8.48	291.50	13.00	0.00	1651.04
2/27/15 13:25	234.52	2.15	8.45	292.15	13.00	0.00	1650.39
2/27/15 13:26	234.68	2.15	8.43	292.65	13.00	0.00	1649.88
2/27/15 13:26	234.85	2.15	8.40	293.22	13.00	0.00	1649.31
2/27/15 13:26	235.02	2.15	8.38	293.77	13.00	0.00	1648.77
2/27/15 13:26	235.18	2.15	8.35	294.32	13.00	0.00	1648.22
2/27/15 13:26	235.35	2.15	8.33	294.80	13.00	0.00	1647.74
2/27/15 13:26	235.52	2.15	8.30	295.33	13.00	0.00	1647.21
2/27/15 13:27	235.68	2.14	8.28	295.76	13.00	0.00	1646.78
2/27/15 13:27	235.85	2.15	8.25	296.12	13.00	0.00	1646.42
2/27/15 13:27	236.02	2.15	8.25	296.84	13.00	0.00	1645.70
2/27/15 13:27	236.18	2.15	8.23	297.60	13.00	0.00	1644.94
2/27/15 13:27	236.35	2.15	8.21	297.61	13.00	0.00	1644.93
2/27/15 13:27	236.52	2.15	8.18	298.08	13.00	0.00	1644.46
2/27/15 13:28	236.68	2.15	8.16	298.13	13.00	0.00	1644.41
2/27/15 13:28	236.85	2.15	8.13	298.80	13.00	0.00	1643.74
2/27/15 13:28	237.02	2.15	8.11	299.50	13.00	0.00	1643.04
2/27/15 13:28	237.18	2.15	8.08	299.69	13.00	0.00	1642.85
2/27/15 13:28	237.35	2.15	8.06	299.39	12.90	0.00	1643.15
2/27/15 13:28	237.52	2.15	8.06	299.75	12.90	0.00	1642.79
2/27/15 13:29	237.68	2.15	8.03	300.19	12.90	0.00	1642.34
2/27/15 13:29	237.85	2.15	8.01	300.29	12.90	0.00	1642.25
2/27/15 13:29	238.02	2.15	7.98	300.63	12.90	0.00	1641.90
2/27/15 13:29	238.18	2.15	7.96	300.88	12.90	0.00	1641.66
2/27/15 13:29	238.35	2.15	7.93	301.61	12.90	0.00	1640.93
2/27/15 13:29	238.52	2.15	7.91	301.73	12.90	0.00	1640.81
2/27/15 13:30	238.68	2.15	7.88	301.65	12.90	0.00	1640.89
2/27/15 13:30	238.85	2.15	7.86	302.15	12.90	0.00	1640.38
2/27/15 13:30	239.02	2.15	7.83	302.33	12.90	0.00	1640.21
2/27/15 13:30	239.18	2.15	7.81	302.63	12.90	0.00	1639.91
2/27/15 13:30	239.35	2.15	7.78	303.07	12.90	0.00	1639.47
2/27/15 13:30	239.52	2.15	7.76	303.36	12.90	0.00	1639.18
2/27/15 13:31	239.68	2.15	7.74	303.54	12.90	0.00	1639.00
2/27/15 13:31	239.85	2.15	7.71	303.60	12.90	0.00	1638.94
2/27/15 13:31	240.02	2.14	7.69	304.16	12.80	0.00	1638.38
2/27/15 13:31	240.18	2.15	7.69	304.58	12.80	0.00	1637.96
2/27/15 13:31	240.35	2.15	7.64	304.40	12.80	0.00	1638.14
2/27/15 13:31	240.52	2.14	7.64	304.83	12.80	0.00	1637.71
2/27/15 13:32	240.68	2.15	7.61	305.30	12.80	0.00	1637.24
2/27/15 13:32	240.85	2.15	7.59	305.78	12.80	0.00	1636.76
2/27/15 13:32	241.02	2.15	7.56	305.76	12.80	0.00	1636.78
2/27/15 13:32	241.18	2.15	7.54	305.92	12.80	0.00	1636.62
2/27/15 13:32	241.35	2.15	7.51	306.49	12.80	0.00	1636.05

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 13:32	241.52	2.15	7.49	306.76	12.80	0.00	1635.78
2/27/15 13:33	241.68	2.15	7.46	306.67	12.80	0.00	1635.86
2/27/15 13:33	241.85	2.14	7.44	307.30	12.80	0.00	1635.24
2/27/15 13:33	242.02	2.15	7.41	307.65	12.80	0.00	1634.89
2/27/15 13:33	242.18	2.15	7.39	307.89	12.80	0.00	1634.65
2/27/15 13:33	242.35	2.15	7.37	307.62	12.80	0.00	1634.92
2/27/15 13:33	242.52	2.14	7.34	308.38	12.70	0.00	1634.15
2/27/15 13:34	242.68	2.15	7.32	308.82	12.70	0.00	1633.72
2/27/15 13:34	242.85	2.15	7.32	308.62	12.70	0.00	1633.92
2/27/15 13:34	243.02	2.14	7.27	309.08	12.70	0.00	1633.46
2/27/15 13:34	243.18	2.15	7.27	309.30	12.70	0.00	1633.24
2/27/15 13:34	243.35	2.15	7.24	309.93	12.70	0.00	1632.61
2/27/15 13:34	243.52	2.15	7.22	310.10	12.70	0.00	1632.43
2/27/15 13:35	243.68	2.14	7.19	310.09	12.70	0.00	1632.45
2/27/15 13:35	243.85	2.14	7.17	310.56	12.70	0.00	1631.98
2/27/15 13:35	244.02	2.14	7.14	310.67	12.70	0.00	1631.86
2/27/15 13:35	244.18	2.15	7.12	310.87	12.70	0.00	1631.67
2/27/15 13:35	244.35	2.15	7.09	311.24	12.70	0.00	1631.30
2/27/15 13:35	244.52	2.15	7.07	311.43	12.70	0.00	1631.11
2/27/15 13:36	244.68	2.14	7.04	311.93	12.70	0.00	1630.61
2/27/15 13:36	244.85	2.14	7.02	311.94	12.70	0.00	1630.60
2/27/15 13:36	245.02	2.14	7.00	312.56	12.70	0.00	1629.98
2/27/15 13:36	245.18	2.15	6.97	312.95	12.70	0.00	1629.59
2/27/15 13:36	245.35	2.14	6.95	312.97	12.70	0.00	1629.57
2/27/15 13:36	245.52	2.14	6.92	313.28	12.70	0.00	1629.26
2/27/15 13:37	245.68	2.14	6.90	313.65	12.60	0.00	1628.89
2/27/15 13:37	245.85	2.14	6.87	313.86	12.60	0.00	1628.67
2/27/15 13:37	246.02	2.14	6.85	314.08	12.60	0.00	1628.46
2/27/15 13:37	246.18	2.15	6.82	314.09	12.60	0.00	1628.45
2/27/15 13:37	246.35	2.15	6.80	314.79	12.60	0.00	1627.75
2/27/15 13:37	246.52	2.14	6.80	315.14	12.60	0.00	1627.40
2/27/15 13:38	246.68	2.15	6.77	315.03	12.60	0.00	1627.51
2/27/15 13:38	246.85	2.14	6.75	315.10	12.60	0.00	1627.44
2/27/15 13:38	247.02	2.14	6.72	315.37	12.60	0.00	1627.17
2/27/15 13:38	247.18	2.13	6.70	315.93	12.60	0.00	1626.61
2/27/15 13:38	247.35	2.15	6.68	315.98	12.60	0.00	1626.56
2/27/15 13:38	247.52	2.15	6.65	316.26	12.60	0.00	1626.28
2/27/15 13:39	247.68	2.15	6.63	316.18	12.60	0.00	1626.36
2/27/15 13:39	247.85	2.14	6.60	316.68	12.60	0.00	1625.86
2/27/15 13:39	248.02	2.14	6.58	317.39	12.60	0.00	1625.15
2/27/15 13:39	248.18	2.14	6.55	317.14	12.60	0.00	1625.40
2/27/15 13:39	248.35	2.15	6.55	317.24	12.60	0.00	1625.30
2/27/15 13:39	248.52	2.14	6.53	317.83	12.60	0.00	1624.71
2/27/15 13:40	248.68	2.15	6.50	318.08	12.60	0.00	1624.46
2/27/15 13:40	248.85	2.14	6.48	318.34	12.60	0.00	1624.20
2/27/15 13:40	249.02	2.15	6.45	318.47	12.60	0.00	1624.07
2/27/15 13:40	249.18	2.14	6.43	319.15	12.60	0.00	1623.39
2/27/15 13:40	249.35	2.14	6.43	319.49	12.60	0.00	1623.05
2/27/15 13:40	249.52	2.14	6.40	319.20	12.60	0.00	1623.34
2/27/15 13:41	249.68	2.14	6.38	319.29	12.60	0.00	1623.25
2/27/15 13:41	249.85	2.14	6.36	319.78	12.60	0.00	1622.76
2/27/15 13:41	250.02	2.14	6.36	319.65	12.60	0.00	1622.89
2/27/15 13:41	250.18	2.14	6.33	319.97	12.60	0.00	1622.57
2/27/15 13:41	250.35	2.15	6.31	319.92	12.60	0.00	1622.62
2/27/15 13:41	250.52	2.14	6.28	320.15	12.60	0.00	1622.39
2/27/15 13:42	250.68	2.13	6.28	320.42	12.60	0.00	1622.12
2/27/15 13:42	250.85	2.14	6.26	320.48	12.70	0.00	1622.06
2/27/15 13:42	251.02	2.14	6.23	320.58	12.70	0.00	1621.96
2/27/15 13:42	251.18	2.14	6.21	320.77	12.70	0.00	1621.77
2/27/15 13:42	251.35	2.14	6.21	320.84	12.70	0.00	1621.70
2/27/15 13:42	251.52	2.14	6.18	320.93	12.70	0.00	1621.60
2/27/15 13:43	251.68	2.14	6.16	321.28	12.70	0.00	1621.26
2/27/15 13:43	251.85	2.14	6.13	321.14	12.70	0.00	1621.40
2/27/15 13:43	252.02	2.14	6.11	321.22	12.70	0.00	1621.32
2/27/15 13:43	252.18	2.13	6.11	321.24	12.70	0.00	1621.30
2/27/15 13:43	252.35	2.14	6.09	321.19	12.70	0.00	1621.34
2/27/15 13:43	252.52	2.14	6.06	321.32	12.70	0.00	1621.22
2/27/15 13:44	252.68	2.14	6.04	321.50	12.70	0.00	1621.04
2/27/15 13:44	252.85	2.14	6.04	321.48	12.70	0.00	1621.06

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 13:44	253.02	2.14	6.01	321.41	12.70	0.00	1621.12
2/27/15 13:44	253.18	2.14	5.99	321.61	12.70	0.00	1620.93
2/27/15 13:44	253.35	2.14	5.96	321.56	12.70	0.00	1620.98
2/27/15 13:44	253.52	2.14	5.94	321.70	12.70	0.00	1620.84
2/27/15 13:45	253.68	2.14	5.91	322.09	12.70	0.00	1620.45
2/27/15 13:45	253.85	2.14	5.91	322.01	12.70	0.00	1620.53
2/27/15 13:45	254.02	2.14	5.89	322.04	12.70	0.00	1620.50
2/27/15 13:45	254.18	2.13	5.86	322.05	12.70	0.00	1620.49
2/27/15 13:45	254.35	2.13	5.84	322.25	12.70	0.00	1620.29
2/27/15 13:45	254.52	2.14	5.82	322.40	12.70	0.00	1620.14
2/27/15 13:46	254.68	2.14	5.79	322.51	12.70	0.00	1620.03
2/27/15 13:46	254.85	2.14	5.77	322.45	12.70	0.00	1620.09
2/27/15 13:46	255.02	2.14	5.74	322.55	12.70	0.00	1619.99
2/27/15 13:46	255.18	2.13	5.74	322.70	12.60	0.00	1619.84
2/27/15 13:46	255.35	2.14	5.72	322.73	12.60	0.00	1619.81
2/27/15 13:46	255.52	2.14	5.67	322.98	12.60	0.00	1619.56
2/27/15 13:47	255.68	2.14	5.67	322.99	12.60	0.00	1619.55
2/27/15 13:47	255.85	2.14	5.64	323.25	12.60	0.00	1619.29
2/27/15 13:47	256.02	2.14	5.62	323.23	12.60	0.00	1619.31
2/27/15 13:47	256.18	2.14	5.60	323.46	12.60	0.00	1619.08
2/27/15 13:47	256.35	2.14	5.57	323.55	12.60	0.00	1618.99
2/27/15 13:47	256.52	2.14	5.55	323.50	12.60	0.00	1619.04
2/27/15 13:48	256.68	2.13	5.52	323.58	12.60	0.00	1618.96
2/27/15 13:48	256.85	2.14	5.50	323.69	12.60	0.00	1618.85
2/27/15 13:48	257.02	2.14	5.50	324.10	12.60	0.00	1618.44
2/27/15 13:48	257.18	2.14	5.47	324.13	12.60	0.00	1618.41
2/27/15 13:48	257.35	2.14	5.45	324.26	12.60	0.00	1618.28
2/27/15 13:48	257.52	2.14	5.42	324.43	12.60	0.00	1618.11
2/27/15 13:49	257.68	2.14	5.42	324.49	12.60	0.00	1618.05
2/27/15 13:49	257.85	2.13	5.40	324.54	12.60	0.00	1618.00
2/27/15 13:49	258.02	2.13	5.37	324.70	12.60	0.00	1617.84
2/27/15 13:49	258.18	2.14	5.35	324.70	12.60	0.00	1617.84
2/27/15 13:49	258.35	2.13	5.35	325.03	12.60	0.00	1617.51
2/27/15 13:49	258.52	2.14	5.33	324.98	12.60	0.00	1617.56
2/27/15 13:50	258.68	2.14	5.30	325.46	12.60	0.00	1617.08
2/27/15 13:50	258.85	2.14	5.30	325.51	12.60	0.00	1617.03
2/27/15 13:50	259.02	2.13	5.28	325.61	12.60	0.00	1616.93
2/27/15 13:50	259.18	2.13	5.25	325.59	12.60	0.00	1616.94
2/27/15 13:50	259.35	2.13	5.25	325.67	12.60	0.00	1616.87
2/27/15 13:50	259.52	2.13	5.23	325.86	12.60	0.00	1616.68
2/27/15 13:51	259.68	2.13	5.23	326.09	12.60	0.00	1616.45
2/27/15 13:51	259.85	2.13	5.20	326.28	12.60	0.00	1616.26
2/27/15 13:51	260.02	2.13	5.18	326.41	12.60	0.00	1616.13
2/27/15 13:51	260.18	2.13	5.18	326.56	12.60	0.00	1615.98
2/27/15 13:51	260.35	2.13	5.15	326.74	12.60	0.00	1615.80
2/27/15 13:51	260.52	2.13	5.15	326.77	12.60	0.00	1615.77
2/27/15 13:52	260.68	2.14	5.13	326.84	12.60	0.00	1615.70
2/27/15 13:52	260.85	2.14	5.13	326.92	12.60	0.00	1615.61
2/27/15 13:52	261.02	2.13	5.11	327.16	12.60	0.00	1615.38
2/27/15 13:52	261.18	2.13	5.08	327.43	12.50	0.00	1615.11
2/27/15 13:52	261.35	2.13	5.08	327.57	12.50	0.00	1614.97
2/27/15 13:52	261.52	2.13	5.06	327.80	12.50	0.00	1614.73
2/27/15 13:53	261.68	2.13	5.06	327.71	12.50	0.00	1614.83
2/27/15 13:53	261.85	2.13	5.03	328.00	12.50	0.00	1614.54
2/27/15 13:53	262.02	2.13	5.03	327.97	12.50	0.00	1614.57
2/27/15 13:53	262.18	2.13	5.01	328.31	12.50	0.00	1614.23
2/27/15 13:53	262.35	2.13	5.01	328.34	12.50	0.00	1614.20
2/27/15 13:53	262.52	2.13	4.98	328.46	12.50	0.00	1614.07
2/27/15 13:54	262.68	2.13	4.98	328.67	12.50	0.00	1613.87
2/27/15 13:54	262.85	2.13	4.96	328.69	12.50	0.00	1613.84
2/27/15 13:54	263.02	2.13	4.96	328.93	12.50	0.00	1613.61
2/27/15 13:54	263.18	2.13	4.96	329.11	12.50	0.00	1613.43
2/27/15 13:54	263.35	2.13	4.93	329.25	12.50	0.00	1613.29
2/27/15 13:54	263.52	2.13	4.93	329.38	12.50	0.00	1613.16
2/27/15 13:55	263.68	2.13	4.91	329.49	12.50	0.00	1613.05
2/27/15 13:55	263.85	2.13	4.91	329.62	12.50	0.00	1612.92
2/27/15 13:55	264.02	2.12	4.89	329.78	12.50	0.00	1612.76
2/27/15 13:55	264.18	2.13	4.89	329.89	12.50	0.00	1612.65
2/27/15 13:55	264.35	2.14	4.86	329.94	12.50	0.00	1612.60

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 13:55	264.52	2.14	4.86	330.16	12.50	0.00	1612.38
2/27/15 13:56	264.68	2.14	4.84	330.22	12.40	0.00	1612.32
2/27/15 13:56	264.85	2.13	4.84	330.31	12.40	0.00	1612.22
2/27/15 13:56	265.02	2.13	4.84	330.42	12.40	0.00	1612.12
2/27/15 13:56	265.18	2.12	4.81	330.59	12.40	0.00	1611.94
2/27/15 13:56	265.35	2.12	4.81	330.76	12.40	0.00	1611.78
2/27/15 13:56	265.52	2.13	4.81	331.00	12.40	0.00	1611.54
2/27/15 13:57	265.68	2.13	4.79	331.09	12.40	0.00	1611.45
2/27/15 13:57	265.85	2.13	4.79	331.10	12.40	0.00	1611.43
2/27/15 13:57	266.02	2.13	4.79	331.46	12.40	0.00	1611.08
2/27/15 13:57	266.18	2.14	4.76	331.63	12.40	0.00	1610.91
2/27/15 13:57	266.35	2.13	4.76	331.86	12.40	0.00	1610.68
2/27/15 13:57	266.52	2.13	4.76	331.94	12.40	0.00	1610.60
2/27/15 13:58	266.68	2.13	4.76	331.92	12.40	0.00	1610.62
2/27/15 13:58	266.85	2.13	4.74	332.17	12.40	0.00	1610.36
2/27/15 13:58	267.02	2.13	4.74	332.10	12.40	0.00	1610.44
2/27/15 13:58	267.18	2.13	4.74	332.49	12.40	0.00	1610.05
2/27/15 13:58	267.35	2.13	4.74	332.63	12.40	0.00	1609.90
2/27/15 13:58	267.52	2.13	4.71	332.71	12.40	0.00	1609.83
2/27/15 13:59	267.68	2.13	4.71	332.83	12.40	0.00	1609.71
2/27/15 13:59	267.85	2.13	4.71	333.02	12.40	0.00	1609.52
2/27/15 13:59	268.02	2.13	4.71	333.20	12.40	0.00	1609.34
2/27/15 13:59	268.18	2.14	4.71	333.12	12.40	0.00	1609.42
2/27/15 13:59	268.35	2.12	4.71	333.38	12.40	0.00	1609.16
2/27/15 13:59	268.52	2.11	4.71	333.62	12.40	0.00	1608.92
2/27/15 14:00	268.68	2.13	4.69	333.66	12.40	0.00	1608.87
2/27/15 14:00	268.85	2.14	4.69	334.12	12.40	0.00	1608.42
2/27/15 14:00	269.02	2.14	4.69	334.20	12.40	0.00	1608.34
2/27/15 14:00	269.18	2.14	4.69	334.10	12.40	0.00	1608.44
2/27/15 14:00	269.35	2.13	4.69	333.95	12.40	0.00	1608.59
2/27/15 14:00	269.52	2.14	4.67	334.40	12.40	0.00	1608.13
2/27/15 14:01	269.68	2.11	4.67	334.53	12.40	0.00	1608.01
2/27/15 14:01	269.85	2.10	4.64	334.75	12.40	0.00	1607.78
2/27/15 14:01	270.02	2.11	4.64	335.05	12.40	0.00	1607.49
2/27/15 14:01	270.18	2.11	4.64	334.91	12.40	0.00	1607.63
2/27/15 14:01	270.35	2.12	4.62	335.26	12.40	0.00	1607.27
2/27/15 14:01	270.52	2.13	4.62	335.31	12.40	0.00	1607.23
2/27/15 14:02	270.68	2.09	4.59	335.39	12.40	0.00	1607.15
2/27/15 14:02	270.85	2.11	4.57	335.55	12.40	0.00	1606.98
2/27/15 14:02	271.02	2.15	4.57	335.80	12.40	0.00	1606.74
2/27/15 14:02	271.18	2.09	4.54	335.95	12.40	0.00	1606.59
2/27/15 14:02	271.35	2.11	4.54	336.37	12.40	0.00	1606.17
2/27/15 14:02	271.52	2.15	4.52	336.21	12.40	0.00	1606.33
2/27/15 14:03	271.68	2.13	4.49	336.09	12.40	0.00	1606.45
2/27/15 14:03	271.85	2.15	4.49	336.04	12.40	0.00	1606.50
2/27/15 14:03	272.02	2.16	4.47	336.40	12.40	0.00	1606.14
2/27/15 14:03	272.18	2.10	4.47	336.64	12.40	0.00	1605.90
2/27/15 14:03	272.35	2.11	4.45	336.82	12.40	0.00	1605.72
2/27/15 14:03	272.52	2.12	4.42	336.85	12.40	0.00	1605.69
2/27/15 14:04	272.68	2.11	4.42	337.17	12.40	0.00	1605.37
2/27/15 14:04	272.85	2.15	4.40	337.21	12.40	0.00	1605.33
2/27/15 14:04	273.02	2.15	4.40	337.30	12.40	0.00	1605.24
2/27/15 14:04	273.18	2.14	4.37	337.57	12.40	0.00	1604.97
2/27/15 14:04	273.35	2.16	4.35	337.76	12.40	0.00	1604.78
2/27/15 14:04	273.52	2.13	4.35	337.86	12.40	0.00	1604.68
2/27/15 14:05	273.68	2.08	4.32	338.19	12.40	0.00	1604.35
2/27/15 14:05	273.85	2.15	4.32	338.30	12.40	0.00	1604.24
2/27/15 14:05	274.02	2.09	4.30	338.24	12.40	0.00	1604.30
2/27/15 14:05	274.18	2.08	4.27	338.00	12.40	0.00	1604.54
2/27/15 14:05	274.35	2.15	4.27	338.46	12.40	0.00	1604.08
2/27/15 14:05	274.52	2.15	4.25	338.69	12.40	0.00	1603.85
2/27/15 14:06	274.68	2.11	4.25	338.94	12.40	0.00	1603.60
2/27/15 14:06	274.85	2.14	4.23	339.10	12.40	0.00	1603.44
2/27/15 14:06	275.02	2.11	4.23	339.11	12.40	0.00	1603.43
2/27/15 14:06	275.18	2.14	4.20	339.46	12.40	0.00	1603.07
2/27/15 14:06	275.35	2.14	4.18	339.63	12.40	0.00	1602.91
2/27/15 14:06	275.52	2.10	4.18	339.52	12.40	0.00	1603.02
2/27/15 14:07	275.68	2.13	4.15	339.85	12.40	0.00	1602.69
2/27/15 14:07	275.85	2.11	4.15	340.24	12.40	0.00	1602.30

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 14:07	276.02	2.11	4.13	340.49	12.40	0.00	1602.05
2/27/15 14:07	276.18	2.14	4.10	340.52	12.40	0.00	1602.02
2/27/15 14:07	276.35	2.11	4.10	340.40	12.40	0.00	1602.14
2/27/15 14:07	276.52	2.13	4.08	340.16	12.40	0.00	1602.38
2/27/15 14:08	276.68	2.12	4.05	340.25	12.40	0.00	1602.29
2/27/15 14:08	276.85	2.11	4.05	340.74	12.40	0.00	1601.80
2/27/15 14:08	277.02	2.11	4.03	340.89	12.40	0.00	1601.64
2/27/15 14:08	277.18	2.13	4.01	340.84	12.40	0.00	1601.70
2/27/15 14:08	277.35	2.12	4.01	341.11	12.40	0.00	1601.43
2/27/15 14:08	277.52	2.12	3.98	340.97	12.40	0.00	1601.57
2/27/15 14:09	277.68	2.11	3.96	341.31	12.50	0.00	1601.23
2/27/15 14:09	277.85	2.11	3.96	341.49	12.50	0.00	1601.05
2/27/15 14:09	278.02	2.12	3.93	341.70	12.50	0.00	1600.84
2/27/15 14:09	278.18	2.12	3.91	341.84	12.50	0.00	1600.70
2/27/15 14:09	278.35	2.11	3.88	341.89	12.50	0.00	1600.64
2/27/15 14:09	278.52	2.12	3.88	342.26	12.50	0.00	1600.27
2/27/15 14:10	278.68	2.11	3.86	342.37	12.50	0.00	1600.17
2/27/15 14:10	278.85	2.12	3.84	342.55	12.50	0.17	1599.99
2/27/15 14:10	279.02	2.12	3.81	342.30	12.50	0.33	1600.24
2/27/15 14:10	279.18	2.12	3.81	342.32	12.50	0.50	1600.21
2/27/15 14:10	279.35	2.12	3.79	342.66	12.50	0.67	1599.88
2/27/15 14:10	279.52	2.12	3.76	343.19	12.50	0.83	1599.35
2/27/15 14:11	279.68	2.12	3.74	343.22	12.50	1.00	1599.32
2/27/15 14:11	279.85	2.12	3.74	343.02	12.50	1.17	1599.52
2/27/15 14:11	280.02	2.11	3.71	343.47	12.50	1.33	1599.07
2/27/15 14:11	280.18	2.12	3.69	343.64	12.50	1.50	1598.89
2/27/15 14:11	280.35	2.11	3.66	343.68	12.50	1.67	1598.86
2/27/15 14:11	280.52	2.11	3.64	344.11	12.50	1.83	1598.43
2/27/15 14:12	280.68	2.11	3.62	344.12	12.50	2.00	1598.42
2/27/15 14:12	280.85	2.11	3.59	344.39	12.50	2.17	1598.15
2/27/15 14:12	281.02	2.11	3.57	344.51	12.50	2.33	1598.03
2/27/15 14:12	281.18	2.11	3.54	344.36	12.50	2.50	1598.18
2/27/15 14:12	281.35	2.12	3.52	344.45	12.40	2.67	1598.09
2/27/15 14:12	281.52	2.11	3.49	344.48	12.40	2.83	1598.06
2/27/15 14:13	281.68	2.11	3.45	344.79	12.40	3.00	1597.74
2/27/15 14:13	281.85	2.12	3.42	345.07	12.40	3.17	1597.47
2/27/15 14:13	282.02	2.12	3.40	344.99	12.40	3.33	1597.55
2/27/15 14:13	282.18	2.11	3.35	345.09	12.40	3.50	1597.45
2/27/15 14:13	282.35	2.11	3.32	345.26	12.40	3.67	1597.28
2/27/15 14:13	282.52	2.11	3.30	345.21	12.40	3.83	1597.33
2/27/15 14:14	282.68	2.12	3.28	345.21	12.40	4.00	1597.32
2/27/15 14:14	282.85	2.11	3.23	345.08	12.40	4.17	1597.46
2/27/15 14:14	283.02	2.12	3.20	345.07	12.40	4.33	1597.47
2/27/15 14:14	283.18	2.11	3.18	345.04	12.40	4.50	1597.50
2/27/15 14:14	283.35	2.11	3.13	344.62	12.40	4.67	1597.92
2/27/15 14:14	283.52	2.11	3.10	344.35	12.40	4.83	1598.19
2/27/15 14:15	283.68	2.11	3.08	344.25	12.40	5.00	1598.29
2/27/15 14:15	283.85	2.11	3.06	344.51	12.40	5.17	1598.03
2/27/15 14:15	284.02	2.11	3.01	343.94	12.40	5.33	1598.60
2/27/15 14:15	284.18	2.11	2.98	343.90	12.40	5.50	1598.64
2/27/15 14:15	284.35	2.11	2.96	343.62	12.40	5.67	1598.92
2/27/15 14:15	284.52	2.11	2.93	343.04	12.40	5.83	1599.50
2/27/15 14:16	284.68	2.11	2.91	343.16	12.40	6.00	1599.38
2/27/15 14:16	284.85	2.11	2.86	342.99	12.40	6.17	1599.55
2/27/15 14:16	285.02	2.11	2.84	342.44	12.40	6.33	1600.10
2/27/15 14:16	285.18	2.11	2.81	342.43	12.50	6.50	1600.11
2/27/15 14:16	285.35	2.11	2.79	342.46	12.50	6.67	1600.08
2/27/15 14:16	285.52	2.11	2.76	342.19	12.50	6.83	1600.35
2/27/15 14:17	285.68	2.11	2.74	341.87	12.50	7.00	1600.67
2/27/15 14:17	285.85	2.11	2.72	341.44	12.50	7.17	1601.10
2/27/15 14:17	286.02	2.11	2.69	341.23	12.50	7.33	1601.31
2/27/15 14:17	286.18	2.11	2.67	340.93	12.50	7.50	1601.61
2/27/15 14:17	286.35	2.11	2.64	340.80	12.50	7.67	1601.74
2/27/15 14:17	286.52	2.11	2.62	340.47	12.50	7.83	1602.06
2/27/15 14:18	286.68	2.11	2.59	340.21	12.50	8.00	1602.33
2/27/15 14:18	286.85	2.11	2.57	340.42	12.50	8.17	1602.12
2/27/15 14:18	287.02	2.11	2.55	340.15	12.50	8.33	1602.39
2/27/15 14:18	287.18	2.11	2.52	339.92	12.50	8.50	1602.62
2/27/15 14:18	287.35	2.11	2.50	339.45	12.50	8.67	1603.09

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 14:18	287.52	2.11	2.47	338.96	12.50	8.83	1603.58
2/27/15 14:19	287.68	2.10	2.45	339.08	12.50	9.00	1603.46
2/27/15 14:19	287.85	2.11	2.42	338.82	12.50	9.17	1603.72
2/27/15 14:19	288.02	2.11	2.42	338.51	12.50	9.33	1604.03
2/27/15 14:19	288.18	2.11	2.40	338.22	12.50	9.50	1604.32
2/27/15 14:19	288.35	2.11	2.37	338.36	12.50	9.67	1604.18
2/27/15 14:19	288.52	2.11	2.35	338.34	12.50	9.83	1604.20
2/27/15 14:20	288.68	2.10	2.33	337.94	12.50	10.00	1604.59
2/27/15 14:20	288.85	2.10	2.33	337.43	12.50	10.17	1605.11
2/27/15 14:20	289.02	2.11	2.30	337.35	12.50	10.33	1605.18
2/27/15 14:20	289.18	2.10	2.28	337.09	12.50	10.50	1605.45
2/27/15 14:20	289.35	2.10	2.25	336.85	12.50	10.67	1605.69
2/27/15 14:20	289.52	2.11	2.25	336.55	12.50	10.83	1605.99
2/27/15 14:21	289.68	2.11	2.23	336.45	12.50	11.00	1606.09
2/27/15 14:21	289.85	2.11	2.20	336.30	12.60	11.17	1606.23
2/27/15 14:21	290.02	2.11	2.18	336.19	12.50	11.33	1606.35
2/27/15 14:21	290.18	2.11	2.18	336.16	12.50	11.50	1606.38
2/27/15 14:21	290.35	2.11	2.16	335.67	12.50	11.67	1606.86
2/27/15 14:21	290.52	2.11	2.13	335.60	12.50	11.83	1606.94
2/27/15 14:22	290.68	2.11	2.13	335.13	12.50	12.00	1607.41
2/27/15 14:22	290.85	2.11	2.11	335.12	12.50	12.17	1607.42
2/27/15 14:22	291.02	2.10	2.11	334.93	12.50	12.33	1607.61
2/27/15 14:22	291.18	2.10	2.08	334.31	12.60	12.50	1608.23
2/27/15 14:22	291.35	2.11	2.06	334.51	12.60	12.67	1608.03
2/27/15 14:22	291.52	2.10	2.06	334.20	12.60	12.83	1608.34
2/27/15 14:23	291.68	2.10	2.03	333.96	12.60	13.00	1608.58
2/27/15 14:23	291.85	2.10	2.01	334.26	12.60	13.17	1608.28
2/27/15 14:23	292.02	2.10	2.01	333.90	12.50	13.33	1608.64
2/27/15 14:23	292.18	2.10	1.99	333.42	12.60	13.50	1609.12
2/27/15 14:23	292.35	2.10	1.99	333.22	12.60	13.67	1609.32
2/27/15 14:23	292.52	2.11	1.96	333.21	12.60	13.83	1609.33
2/27/15 14:24	292.68	2.10	1.94	333.02	12.60	14.00	1609.52
2/27/15 14:24	292.85	2.10	1.94	332.74	12.60	14.17	1609.80
2/27/15 14:24	293.02	2.10	1.91	332.69	12.50	14.33	1609.84
2/27/15 14:24	293.18	2.10	1.91	332.67	12.60	14.50	1609.87
2/27/15 14:24	293.35	2.10	1.89	332.38	12.60	14.67	1610.16
2/27/15 14:24	293.52	2.10	1.89	332.23	12.60	14.83	1610.31
2/27/15 14:25	293.68	2.10	1.86	332.06	12.60	15.00	1610.47
2/27/15 14:25	293.85	2.11	1.84	331.99	12.60	15.17	1610.55
2/27/15 14:25	294.02	2.10	1.84	331.69	12.60	15.33	1610.85
2/27/15 14:25	294.18	2.09	1.84	331.52	12.50	15.50	1611.02
2/27/15 14:25	294.35	2.10	1.82	331.36	12.60	15.67	1611.18
2/27/15 14:25	294.52	2.11	1.79	331.05	12.60	15.83	1611.48
2/27/15 14:26	294.68	2.10	1.79	331.07	12.50	16.00	1611.47
2/27/15 14:26	294.85	2.10	1.77	330.81	12.60	16.17	1611.73
2/27/15 14:26	295.02	2.11	1.77	330.58	12.60	16.33	1611.96
2/27/15 14:26	295.18	2.11	1.74	330.47	12.60	16.50	1612.07
2/27/15 14:26	295.35	2.11	1.74	330.42	12.60	16.67	1612.12
2/27/15 14:26	295.52	2.10	1.72	330.30	12.60	16.83	1612.24
2/27/15 14:27	295.68	2.10	1.72	329.95	12.60	17.00	1612.59
2/27/15 14:27	295.85	2.10	1.69	329.73	12.60	17.17	1612.81
2/27/15 14:27	296.02	2.10	1.69	329.67	12.60	17.33	1612.87
2/27/15 14:27	296.18	2.10	1.67	329.69	12.60	17.50	1612.85
2/27/15 14:27	296.35	2.10	1.67	329.49	12.60	17.67	1613.05
2/27/15 14:27	296.52	2.10	1.65	329.00	12.60	17.83	1613.54
2/27/15 14:28	296.68	2.09	1.65	329.07	12.60	18.00	1613.47
2/27/15 14:28	296.85	2.11	1.62	329.01	12.60	18.17	1613.53
2/27/15 14:28	297.02	2.09	1.62	328.85	12.60	18.33	1613.68
2/27/15 14:28	297.18	2.09	1.62	328.76	12.60	18.50	1613.78
2/27/15 14:28	297.35	2.08	1.60	328.48	12.60	18.67	1614.06
2/27/15 14:28	297.52	2.10	1.60	328.47	12.60	18.83	1614.06
2/27/15 14:29	297.68	2.09	1.57	328.15	12.60	19.00	1614.39
2/27/15 14:29	297.85	2.09	1.57	327.95	12.60	19.17	1614.59
2/27/15 14:29	298.02	2.10	1.55	328.01	12.60	19.33	1614.53
2/27/15 14:29	298.18	2.09	1.55	327.62	12.60	19.50	1614.92
2/27/15 14:29	298.35	2.10	1.52	327.67	12.60	19.67	1614.87
2/27/15 14:29	298.52	2.09	1.52	327.33	12.60	19.83	1615.21
2/27/15 14:30	298.68	2.09	1.50	327.41	12.60	20.00	1615.12
2/27/15 14:30	298.85	2.07	1.50	327.33	12.60	20.17	1615.21

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 14:30	299.02	2.11	1.50	327.05	12.60	20.33	1615.49
2/27/15 14:30	299.18	2.10	1.48	326.83	12.60	20.50	1615.71
2/27/15 14:30	299.35	2.11	1.48	326.72	12.60	20.67	1615.82
2/27/15 14:30	299.52	2.09	1.45	326.67	12.60	20.83	1615.87
2/27/15 14:31	299.68	2.09	1.45	326.54	12.60	21.00	1616.00
2/27/15 14:31	299.85	2.10	1.45	326.37	12.60	21.17	1616.17
2/27/15 14:31	300.02	2.09	1.43	326.40	12.60	21.33	1616.14
2/27/15 14:31	300.18	2.10	1.43	326.27	12.60	21.50	1616.27
2/27/15 14:31	300.35	2.09	1.40	325.97	12.60	21.67	1616.57
2/27/15 14:31	300.52	2.08	1.40	325.91	12.60	21.83	1616.63
2/27/15 14:32	300.68	2.09	1.38	325.89	12.60	22.00	1616.65
2/27/15 14:32	300.85	2.10	1.38	325.90	12.60	22.17	1616.64
2/27/15 14:32	301.02	2.09	1.35	325.45	12.60	22.33	1617.09
2/27/15 14:32	301.18	2.09	1.35	325.22	12.60	22.50	1617.32
2/27/15 14:32	301.35	2.09	1.35	325.28	12.60	22.67	1617.26
2/27/15 14:32	301.52	2.09	1.33	325.27	12.60	22.83	1617.27
2/27/15 14:33	301.68	2.10	1.33	325.02	12.60	23.00	1617.52
2/27/15 14:33	301.85	2.09	1.31	324.76	12.60	23.17	1617.77
2/27/15 14:33	302.02	2.08	1.31	324.69	12.60	23.33	1617.85
2/27/15 14:33	302.18	2.09	1.31	324.67	12.60	23.50	1617.86
2/27/15 14:33	302.35	2.08	1.28	324.52	12.60	23.67	1618.02
2/27/15 14:33	302.52	2.09	1.28	324.41	12.60	23.83	1618.13
2/27/15 14:34	302.68	2.09	1.26	324.30	12.60	24.00	1618.24
2/27/15 14:34	302.85	2.08	1.26	324.06	12.60	24.17	1618.48
2/27/15 14:34	303.02	2.09	1.26	324.01	12.60	24.33	1618.53
2/27/15 14:34	303.18	2.08	1.23	323.70	12.70	24.50	1618.84
2/27/15 14:34	303.35	2.08	1.23	323.58	12.70	24.67	1618.96
2/27/15 14:34	303.52	2.09	1.21	323.55	12.60	24.83	1618.99
2/27/15 14:35	303.68	2.08	1.21	323.44	12.60	25.00	1619.10
2/27/15 14:35	303.85	2.09	1.21	323.41	12.70	25.17	1619.12
2/27/15 14:35	304.02	2.08	1.18	323.46	12.70	25.33	1619.07
2/27/15 14:35	304.18	2.08	1.18	323.06	12.60	25.50	1619.48
2/27/15 14:35	304.35	2.08	1.16	322.97	12.60	25.67	1619.56
2/27/15 14:35	304.52	2.09	1.16	322.72	12.70	25.83	1619.82
2/27/15 14:36	304.68	2.09	1.16	322.79	12.70	26.00	1619.75
2/27/15 14:36	304.85	2.09	1.14	322.41	12.60	26.17	1620.13
2/27/15 14:36	305.02	2.10	1.14	322.49	12.60	26.33	1620.05
2/27/15 14:36	305.18	2.07	1.14	322.35	12.70	26.50	1620.19
2/27/15 14:36	305.35	2.09	1.11	322.13	12.60	26.67	1620.41
2/27/15 14:36	305.52	2.08	1.11	321.93	12.70	26.83	1620.61
2/27/15 14:37	305.68	2.09	1.09	321.98	12.70	27.00	1620.56
2/27/15 14:37	305.85	2.09	1.09	321.67	12.60	27.17	1620.87
2/27/15 14:37	306.02	2.09	1.09	321.55	12.70	27.33	1620.99
2/27/15 14:37	306.18	2.09	1.06	321.32	12.70	27.50	1621.22
2/27/15 14:37	306.35	2.08	1.06	321.34	12.70	27.67	1621.20
2/27/15 14:37	306.52	2.08	1.04	321.39	12.70	27.83	1621.15
2/27/15 14:38	306.68	2.09	1.04	321.13	12.70	28.00	1621.41
2/27/15 14:38	306.85	2.08	1.04	321.30	12.70	28.17	1621.23
2/27/15 14:38	307.02	2.08	1.01	320.91	12.70	28.33	1621.63
2/27/15 14:38	307.18	2.08	1.01	320.78	12.70	28.50	1621.76
2/27/15 14:38	307.35	2.07	1.01	320.62	12.70	28.67	1621.92
2/27/15 14:38	307.52	2.08	0.99	320.44	12.70	28.83	1622.10
2/27/15 14:39	307.68	2.09	0.99	320.30	12.70	29.00	1622.24
2/27/15 14:39	307.85	2.07	0.97	320.34	12.70	29.17	1622.19
2/27/15 14:39	308.02	2.08	0.97	320.10	12.70	29.33	1622.44
2/27/15 14:39	308.18	2.08	0.97	319.90	12.70	29.50	1622.64
2/27/15 14:39	308.35	2.08	0.94	320.08	12.70	29.67	1622.46
2/27/15 14:39	308.52	2.08	0.94	319.72	12.70	29.83	1622.82
2/27/15 14:40	308.68	2.07	0.94	319.66	12.70	30.00	1622.88
2/27/15 14:40	308.85	2.07	0.92	319.27	12.70	30.17	1623.26
2/27/15 14:40	309.02	2.07	0.92	319.36	12.70	30.33	1623.18
2/27/15 14:40	309.18	2.07	0.92	319.19	12.70	30.50	1623.35
2/27/15 14:40	309.35	2.07	0.89	319.25	12.70	30.67	1623.29
2/27/15 14:40	309.52	2.07	0.89	319.10	12.70	30.83	1623.44
2/27/15 14:41	309.68	2.07	0.89	318.71	12.70	31.00	1623.83
2/27/15 14:41	309.85	2.08	0.89	318.57	12.70	31.17	1623.97
2/27/15 14:41	310.02	2.07	0.87	318.60	12.70	31.33	1623.94
2/27/15 14:41	310.18	2.08	0.87	318.35	12.70	31.50	1624.19
2/27/15 14:41	310.35	2.07	0.87	318.32	12.70	31.67	1624.22

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 14:41	310.52	2.07	0.84	318.19	12.70	31.83	1624.35
2/27/15 14:42	310.68	2.08	0.84	317.96	12.70	32.00	1624.58
2/27/15 14:42	310.85	2.07	0.84	317.78	12.70	32.17	1624.75
2/27/15 14:42	311.02	2.08	0.84	317.77	12.70	32.33	1624.77
2/27/15 14:42	311.18	2.07	0.84	317.48	12.70	32.50	1625.06
2/27/15 14:42	311.35	2.08	0.82	317.54	12.70	32.67	1625.00
2/27/15 14:42	311.52	2.07	0.82	317.26	12.70	32.83	1625.28
2/27/15 14:43	311.68	2.06	0.82	317.15	12.70	33.00	1625.38
2/27/15 14:43	311.85	2.08	0.82	317.20	12.70	33.17	1625.34
2/27/15 14:43	312.02	2.07	0.80	317.13	12.70	33.33	1625.41
2/27/15 14:43	312.18	2.07	0.80	317.01	12.70	33.50	1625.53
2/27/15 14:43	312.35	2.07	0.80	317.07	12.70	33.67	1625.47
2/27/15 14:43	312.52	2.07	0.80	316.63	12.70	33.83	1625.90
2/27/15 14:44	312.68	2.07	0.80	316.44	12.70	34.00	1626.10
2/27/15 14:44	312.85	2.07	0.77	316.19	12.80	34.17	1626.35
2/27/15 14:44	313.02	2.07	0.77	316.24	12.70	34.33	1626.30
2/27/15 14:44	313.18	2.06	0.77	316.26	12.80	34.50	1626.28
2/27/15 14:44	313.35	2.07	0.77	316.00	12.80	34.67	1626.53
2/27/15 14:44	313.52	2.07	0.77	315.64	12.70	34.83	1626.90
2/27/15 14:45	313.68	2.07	0.75	315.72	12.80	35.00	1626.82
2/27/15 14:45	313.85	2.07	0.75	315.73	12.80	35.17	1626.81
2/27/15 14:45	314.02	2.07	0.75	315.39	12.80	35.33	1627.15
2/27/15 14:45	314.18	2.07	0.75	315.37	12.70	35.50	1627.17
2/27/15 14:45	314.35	2.06	0.75	315.14	12.80	35.67	1627.40
2/27/15 14:45	314.52	2.07	0.72	315.09	12.80	35.83	1627.45
2/27/15 14:46	314.68	2.07	0.72	314.89	12.80	36.00	1627.65
2/27/15 14:46	314.85	2.07	0.72	314.92	12.80	36.17	1627.62
2/27/15 14:46	315.02	2.05	0.72	315.02	12.80	36.33	1627.52
2/27/15 14:46	315.18	2.07	0.72	314.64	12.80	36.50	1627.90
2/27/15 14:46	315.35	2.06	0.70	314.73	12.80	36.67	1627.81
2/27/15 14:46	315.52	2.07	0.70	314.16	12.80	36.83	1628.38
2/27/15 14:47	315.68	2.06	0.70	314.06	12.80	37.00	1628.48
2/27/15 14:47	315.85	2.06	0.70	314.14	12.80	37.17	1628.40
2/27/15 14:47	316.02	2.06	0.70	314.06	12.80	37.33	1628.48
2/27/15 14:47	316.18	2.06	0.68	314.11	12.80	37.50	1628.43
2/27/15 14:47	316.35	2.06	0.68	314.03	12.80	37.67	1628.51
2/27/15 14:47	316.52	2.05	0.68	313.88	12.80	37.83	1628.66
2/27/15 14:48	316.68	2.07	0.68	313.80	12.80	38.00	1628.74
2/27/15 14:48	316.85	2.06	0.65	313.59	12.80	38.17	1628.95
2/27/15 14:48	317.02	2.07	0.65	313.25	12.80	38.33	1629.29
2/27/15 14:48	317.18	2.07	0.65	313.23	12.80	38.50	1629.31
2/27/15 14:48	317.35	2.05	0.65	313.02	12.80	38.67	1629.52
2/27/15 14:48	317.52	2.06	0.63	312.97	12.80	38.83	1629.57
2/27/15 14:49	317.68	2.06	0.63	313.02	12.80	39.00	1629.52
2/27/15 14:49	317.85	2.07	0.63	312.97	12.80	39.17	1629.57
2/27/15 14:49	318.02	2.07	0.63	312.86	12.80	39.33	1629.68
2/27/15 14:49	318.18	2.06	0.63	312.76	12.80	39.50	1629.78
2/27/15 14:49	318.35	2.07	0.60	312.57	12.80	39.67	1629.96
2/27/15 14:49	318.52	2.07	0.60	312.29	12.80	39.83	1630.25
2/27/15 14:50	318.68	2.07	0.60	312.19	12.80	40.00	1630.35
2/27/15 14:50	318.85	2.05	0.60	312.09	12.80	40.17	1630.45
2/27/15 14:50	319.02	2.06	0.58	312.31	12.80	40.33	1630.23
2/27/15 14:50	319.18	2.07	0.58	311.87	12.80	40.50	1630.67
2/27/15 14:50	319.35	2.07	0.58	311.92	12.80	40.67	1630.62
2/27/15 14:50	319.52	2.06	0.58	311.87	12.80	40.83	1630.67
2/27/15 14:51	319.68	2.05	0.58	311.68	12.80	41.00	1630.86
2/27/15 14:51	319.85	2.07	0.55	311.66	12.80	41.17	1630.88
2/27/15 14:51	320.02	2.06	0.55	311.36	12.80	41.33	1631.18
2/27/15 14:51	320.18	2.06	0.55	311.27	12.80	41.50	1631.27
2/27/15 14:51	320.35	2.05	0.55	311.10	12.80	41.67	1631.44
2/27/15 14:51	320.52	2.05	0.53	310.86	12.80	41.83	1631.68
2/27/15 14:52	320.68	2.05	0.53	310.91	12.80	42.00	1631.63
2/27/15 14:52	320.85	2.06	0.53	310.77	12.80	42.17	1631.77
2/27/15 14:52	321.02	2.06	0.53	310.85	12.80	42.33	1631.69
2/27/15 14:52	321.18	2.05	0.53	310.71	12.80	42.50	1631.83
2/27/15 14:52	321.35	2.06	0.51	310.60	12.80	42.67	1631.94
2/27/15 14:52	321.52	2.05	0.51	310.33	12.80	42.83	1632.21
2/27/15 14:53	321.68	2.06	0.51	310.29	12.80	43.00	1632.25
2/27/15 14:53	321.85	2.05	0.51	310.17	12.80	43.17	1632.37

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 14:53	322.02	2.05	0.51	310.10	12.80	43.33	1632.43
2/27/15 14:53	322.18	2.05	0.48	309.80	12.80	43.50	1632.74
2/27/15 14:53	322.35	2.06	0.48	309.99	12.80	43.67	1632.55
2/27/15 14:53	322.52	2.05	0.48	309.92	12.80	43.83	1632.62
2/27/15 14:54	322.68	2.06	0.48	309.59	12.90	44.00	1632.95
2/27/15 14:54	322.85	2.05	0.46	309.57	12.80	44.17	1632.97
2/27/15 14:54	323.02	2.05	0.46	309.39	12.90	44.33	1633.15
2/27/15 14:54	323.18	2.05	0.46	309.16	12.90	44.50	1633.38
2/27/15 14:54	323.35	2.06	0.46	308.92	12.80	44.67	1633.62
2/27/15 14:54	323.52	2.06	0.43	309.02	12.90	44.83	1633.52
2/27/15 14:55	323.68	2.07	0.43	308.65	12.90	45.00	1633.89
2/27/15 14:55	323.85	2.04	0.43	308.92	12.80	45.17	1633.62
2/27/15 14:55	324.02	2.07	0.43	308.62	12.90	45.33	1633.92
2/27/15 14:55	324.18	2.05	0.41	308.46	12.90	45.50	1634.08
2/27/15 14:55	324.35	2.06	0.41	308.55	12.90	45.67	1633.99
2/27/15 14:55	324.52	2.05	0.41	308.46	12.90	45.83	1634.08
2/27/15 14:56	324.68	2.05	0.41	308.18	12.90	46.00	1634.35
2/27/15 14:56	324.85	2.05	0.38	308.17	12.80	46.17	1634.37
2/27/15 14:56	325.02	2.06	0.38	307.90	12.80	46.33	1634.64
2/27/15 14:56	325.18	2.06	0.38	307.81	12.90	46.50	1634.73
2/27/15 14:56	325.35	2.05	0.36	307.96	12.90	46.67	1634.58
2/27/15 14:56	325.52	2.05	0.36	307.91	12.90	46.83	1634.63
2/27/15 14:57	325.68	2.05	0.36	307.64	12.90	47.00	1634.90
2/27/15 14:57	325.85	2.05	0.36	307.66	12.90	47.17	1634.88
2/27/15 14:57	326.02	2.05	0.34	307.48	12.90	47.33	1635.06
2/27/15 14:57	326.18	2.05	0.34	307.30	12.90	47.50	1635.24
2/27/15 14:57	326.35	2.06	0.34	307.16	12.90	47.67	1635.38
2/27/15 14:57	326.52	2.05	0.34	307.08	12.80	47.83	1635.46
2/27/15 14:58	326.68	2.05	0.31	306.90	12.90	48.00	1635.64
2/27/15 14:58	326.85	2.05	0.31	306.84	12.90	48.17	1635.70
2/27/15 14:58	327.02	2.05	0.31	306.67	12.90	48.33	1635.87
2/27/15 14:58	327.18	2.04	0.29	306.85	12.90	48.50	1635.69
2/27/15 14:58	327.35	2.05	0.29	306.71	12.90	48.67	1635.83
2/27/15 14:58	327.52	2.04	0.29	306.45	12.90	48.83	1636.09
2/27/15 14:59	327.68	2.06	0.29	306.47	12.90	49.00	1636.06
2/27/15 14:59	327.85	2.05	0.26	306.67	12.90	49.17	1635.87
2/27/15 14:59	328.02	2.05	0.26	306.16	12.90	49.33	1636.38
2/27/15 14:59	328.18	2.04	0.26	305.84	12.90	49.50	1636.70
2/27/15 14:59	328.35	2.05	0.26	305.80	12.90	49.67	1636.74
2/27/15 14:59	328.52	2.05	0.24	305.76	12.90	49.83	1636.78
2/27/15 15:00	328.68	2.05	0.24	305.80	12.90	50.00	1636.74
2/27/15 15:00	328.85	2.05	0.24	305.87	12.90	50.17	1636.66
2/27/15 15:00	329.02	2.05	0.24	305.82	12.90	50.33	1636.71
2/27/15 15:00	329.18	2.05	0.21	305.60	12.90	50.50	1636.94
2/27/15 15:00	329.35	2.04	0.21	305.57	12.90	50.67	1636.96
2/27/15 15:00	329.52	2.04	0.21	305.19	12.90	50.83	1637.35
2/27/15 15:01	329.68	2.06	0.21	305.13	12.90	51.00	1637.41
2/27/15 15:01	329.85	2.04	0.19	304.94	12.90	51.17	1637.60
2/27/15 15:01	330.02	2.06	0.19	304.97	12.90	51.33	1637.57
2/27/15 15:01	330.18	2.04	0.19	304.70	12.90	51.50	1637.84
2/27/15 15:01	330.35	2.05	0.17	304.59	12.90	51.67	1637.95
2/27/15 15:01	330.52	2.05	0.17	304.47	12.90	51.83	1638.07
2/27/15 15:02	330.68	2.04	0.17	304.42	12.90	52.00	1638.11
2/27/15 15:02	330.85	2.05	0.17	304.55	12.90	52.17	1637.99
2/27/15 15:02	331.02	2.05	0.14	304.23	12.90	52.33	1638.31
2/27/15 15:02	331.18	2.05	0.14	304.37	12.90	52.50	1638.16
2/27/15 15:02	331.35	2.04	0.14	304.00	12.90	52.67	1638.54
2/27/15 15:02	331.52	2.05	0.12	303.67	12.90	52.83	1638.87
2/27/15 15:03	331.68	2.05	0.12	303.56	12.90	53.00	1638.98
2/27/15 15:03	331.85	2.05	0.12	303.63	12.90	53.17	1638.91
2/27/15 15:03	332.02	2.05	0.09	303.78	12.90	53.33	1638.76
2/27/15 15:03	332.18	2.04	0.09	303.75	12.90	53.50	1638.79
2/27/15 15:03	332.35	2.05	0.09	303.65	12.90	53.67	1638.89
2/27/15 15:03	332.52	2.04	0.09	303.48	12.90	53.83	1639.05
2/27/15 15:04	332.68	2.04	0.07	303.16	12.90	54.00	1639.38
2/27/15 15:04	332.85	2.05	0.07	303.11	12.90	54.17	1639.43
2/27/15 15:04	333.02	2.04	0.07	302.96	12.90	54.33	1639.58
2/27/15 15:04	333.18	2.06	0.07	302.86	12.90	54.50	1639.68
2/27/15 15:04	333.35	2.05	0.04	302.91	12.90	54.67	1639.63

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 15:04	333.52	2.05	0.04	302.72	12.90	54.83	1639.82
2/27/15 15:05	333.68	2.05	0.04	302.50	12.90	55.00	1640.03
2/27/15 15:05	333.85	2.04	0.02	302.54	12.90	55.17	1640.00
2/27/15 15:05	334.02	2.05	0.02	302.49	12.90	55.33	1640.04
2/27/15 15:05	334.18	2.03	0.02	302.31	12.90	55.50	1640.23
2/27/15 15:05	334.35	2.05	0.02	302.28	13.00	55.67	1640.26
2/27/15 15:05	334.52	2.05	0.00	302.30	12.90	55.83	1640.24
2/27/15 15:06	334.68	2.03	0.00	301.89	12.90	56.00	1640.65
2/27/15 15:06	334.85	2.04	0.00	301.55	12.90	56.17	1640.99
2/27/15 15:06	335.02	2.05	-0.03	301.40	12.90	56.33	1641.14
2/27/15 15:06	335.18	2.04	-0.03	301.54	12.90	56.50	1641.00
2/27/15 15:06	335.35	2.05	-0.03	301.60	13.00	56.67	1640.94
2/27/15 15:06	335.52	2.04	-0.03	301.59	12.90	56.83	1640.95
2/27/15 15:07	335.68	2.04	-0.05	301.54	13.00	57.00	1641.00
2/27/15 15:07	335.85	2.04	-0.05	301.16	12.90	57.17	1641.38
2/27/15 15:07	336.02	2.04	-0.05	301.26	13.00	57.33	1641.28
2/27/15 15:07	336.18	2.05	-0.08	301.14	13.00	57.50	1641.40
2/27/15 15:07	336.35	2.05	-0.08	300.95	13.00	57.67	1641.59
2/27/15 15:07	336.52	2.03	-0.08	300.90	13.00	57.83	1641.64
2/27/15 15:08	336.68	2.04	-0.08	300.67	13.00	58.00	1641.87
2/27/15 15:08	336.85	2.04	-0.10	300.44	13.00	58.17	1642.10
2/27/15 15:08	337.02	2.05	-0.10	300.36	13.00	58.33	1642.18
2/27/15 15:08	337.18	2.05	-0.10	300.36	13.00	58.50	1642.18
2/27/15 15:08	337.35	2.03	-0.10	300.26	13.00	58.67	1642.28
2/27/15 15:08	337.52	2.04	-0.13	300.07	12.90	58.83	1642.47
2/27/15 15:09	337.68	2.04	-0.13	300.08	13.00	59.00	1642.46
2/27/15 15:09	337.85	2.03	-0.13	299.87	13.00	59.17	1642.67
2/27/15 15:09	338.02	2.07	-0.13	300.05	13.00	59.33	1642.49
2/27/15 15:09	338.18	2.04	-0.13	299.68	13.00	59.50	1642.86
2/27/15 15:09	338.35	2.05	-0.15	299.56	13.00	59.67	1642.98
2/27/15 15:09	338.52	2.05	-0.15	299.59	13.00	59.83	1642.95
2/27/15 15:10	338.68	2.03	-0.15	299.57	12.90	60.00	1642.97
2/27/15 15:10	338.85	2.03	-0.15	299.42	13.00	60.17	1643.12
2/27/15 15:10	339.02	2.05	-0.17	299.28	13.00	60.33	1643.26
2/27/15 15:10	339.18	2.04	-0.17	299.50	13.00	60.50	1643.04
2/27/15 15:10	339.35	2.05	-0.17	299.12	12.90	60.67	1643.42
2/27/15 15:10	339.52	2.03	-0.17	299.12	13.00	60.83	1643.42
2/27/15 15:11	339.68	2.04	-0.17	298.97	13.00	61.00	1643.56
2/27/15 15:11	339.85	2.03	-0.20	298.97	13.00	61.17	1643.57
2/27/15 15:11	340.02	2.05	-0.20	298.69	13.00	61.33	1643.85
2/27/15 15:11	340.18	2.03	-0.20	298.74	13.00	61.50	1643.80
2/27/15 15:11	340.35	2.05	-0.20	298.43	13.00	61.67	1644.11
2/27/15 15:11	340.52	2.00	-0.20	298.30	12.90	61.83	1644.24
2/27/15 15:12	340.68	2.01	-0.20	298.20	13.00	62.00	1644.34
2/27/15 15:12	340.85	2.05	-0.22	298.24	13.00	62.17	1644.30
2/27/15 15:12	341.02	2.05	-0.22	298.21	13.00	62.33	1644.33
2/27/15 15:12	341.18	2.04	-0.22	298.20	13.00	62.50	1644.34
2/27/15 15:12	341.35	2.07	-0.22	298.09	13.00	62.67	1644.45
2/27/15 15:12	341.52	2.03	-0.22	297.71	13.00	62.83	1644.82
2/27/15 15:13	341.68	2.03	-0.25	297.69	13.00	63.00	1644.85
2/27/15 15:13	341.85	2.06	-0.25	297.17	13.00	63.17	1645.37
2/27/15 15:13	342.02	2.03	-0.25	297.25	13.00	63.33	1645.29
2/27/15 15:13	342.18	2.03	-0.25	297.32	13.00	63.50	1645.22
2/27/15 15:13	342.35	2.02	-0.27	297.49	13.00	63.67	1645.05
2/27/15 15:13	342.52	2.03	-0.27	297.51	13.00	63.83	1645.03
2/27/15 15:14	342.68	2.01	-0.27	297.41	13.00	64.00	1645.13
2/27/15 15:14	342.85	2.02	-0.27	297.02	13.00	64.17	1645.52
2/27/15 15:14	343.02	2.05	-0.27	296.74	13.00	64.33	1645.80
2/27/15 15:14	343.18	2.02	-0.30	297.08	13.00	64.50	1645.46
2/27/15 15:14	343.35	2.03	-0.30	296.86	13.00	64.67	1645.68
2/27/15 15:14	343.52	2.03	-0.30	296.75	13.00	64.83	1645.79
2/27/15 15:15	343.68	2.04	-0.30	296.64	13.00	65.00	1645.90
2/27/15 15:15	343.85	2.02	-0.32	296.37	13.00	65.17	1646.17
2/27/15 15:15	344.02	2.03	-0.32	296.29	13.00	65.33	1646.25
2/27/15 15:15	344.18	2.03	-0.32	296.22	13.00	65.50	1646.32
2/27/15 15:15	344.35	2.05	-0.32	296.26	13.00	65.67	1646.28
2/27/15 15:15	344.52	2.04	-0.32	295.76	13.00	65.83	1646.78
2/27/15 15:16	344.68	2.04	-0.34	296.01	13.00	66.00	1646.53
2/27/15 15:16	344.85	2.03	-0.34	295.96	13.00	66.17	1646.58

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 15:16	345.02	2.03	-0.34	295.84	13.00	66.33	1646.69
2/27/15 15:16	345.18	2.03	-0.34	295.55	13.00	66.50	1646.99
2/27/15 15:16	345.35	2.02	-0.37	295.11	13.00	66.67	1647.43
2/27/15 15:16	345.52	2.03	-0.37	295.15	13.00	66.83	1647.39
2/27/15 15:17	345.68	2.02	-0.37	295.21	13.00	67.00	1647.33
2/27/15 15:17	345.85	2.03	-0.37	295.35	13.00	67.17	1647.19
2/27/15 15:17	346.02	2.02	-0.37	295.30	13.00	67.33	1647.24
2/27/15 15:17	346.18	2.03	-0.37	295.28	13.00	67.50	1647.26
2/27/15 15:17	346.35	2.03	-0.39	295.00	13.10	67.67	1647.54
2/27/15 15:17	346.52	2.03	-0.39	295.09	13.00	67.83	1647.45
2/27/15 15:18	346.68	2.03	-0.39	295.01	13.00	68.00	1647.53
2/27/15 15:18	346.85	2.03	-0.39	294.77	13.00	68.17	1647.77
2/27/15 15:18	347.02	2.03	-0.39	294.42	13.00	68.33	1648.12
2/27/15 15:18	347.18	2.03	-0.42	294.53	13.00	68.50	1648.01
2/27/15 15:18	347.35	2.03	-0.42	294.36	13.00	68.67	1648.18
2/27/15 15:18	347.52	2.02	-0.42	294.41	13.00	68.83	1648.13
2/27/15 15:19	347.68	2.03	-0.42	294.34	13.00	69.00	1648.20
2/27/15 15:19	347.85	2.03	-0.42	294.05	13.00	69.17	1648.49
2/27/15 15:19	348.02	2.04	-0.42	293.88	13.00	69.33	1648.65
2/27/15 15:19	348.18	2.02	-0.44	294.05	13.00	69.50	1648.49
2/27/15 15:19	348.35	2.02	-0.44	293.82	13.00	69.67	1648.72
2/27/15 15:19	348.52	2.03	-0.44	293.74	13.00	69.83	1648.79
2/27/15 15:20	348.68	2.02	-0.44	293.60	13.00	70.00	1648.94
2/27/15 15:20	348.85	2.03	-0.44	293.31	13.00	70.17	1649.23
2/27/15 15:20	349.02	2.03	-0.47	293.20	13.00	70.33	1649.34
2/27/15 15:20	349.18	2.02	-0.47	293.29	13.00	70.50	1649.25
2/27/15 15:20	349.35	2.02	-0.47	293.13	13.00	70.67	1649.40
2/27/15 15:20	349.52	2.02	-0.47	293.22	13.00	70.83	1649.32
2/27/15 15:21	349.68	2.02	-0.47	293.26	13.10	71.00	1649.28
2/27/15 15:21	349.85	2.02	-0.47	293.19	13.00	71.17	1649.35
2/27/15 15:21	350.02	2.03	-0.49	292.92	13.00	71.33	1649.62
2/27/15 15:21	350.18	2.02	-0.49	292.81	13.00	71.50	1649.73
2/27/15 15:21	350.35	2.02	-0.49	292.64	13.00	71.67	1649.90
2/27/15 15:21	350.52	2.02	-0.49	292.59	13.00	71.83	1649.95
2/27/15 15:22	350.68	2.03	-0.51	292.50	13.00	72.00	1650.04
2/27/15 15:22	350.85	2.03	-0.51	292.55	13.10	72.17	1649.99
2/27/15 15:22	351.02	2.02	-0.51	292.09	13.00	72.33	1650.45
2/27/15 15:22	351.18	2.02	-0.51	292.06	13.00	72.50	1650.48
2/27/15 15:22	351.35	2.03	-0.51	292.06	13.10	72.67	1650.48
2/27/15 15:22	351.52	2.02	-0.51	292.11	13.10	72.83	1650.43
2/27/15 15:23	351.68	2.03	-0.54	291.82	13.10	73.00	1650.72
2/27/15 15:23	351.85	2.03	-0.54	291.81	13.10	73.17	1650.72
2/27/15 15:23	352.02	2.03	-0.54	291.52	13.10	73.33	1651.02
2/27/15 15:23	352.18	2.03	-0.56	291.37	13.10	73.50	1651.17
2/27/15 15:23	352.35	2.02	-0.56	291.50	13.00	73.67	1651.04
2/27/15 15:23	352.52	2.02	-0.56	291.28	13.10	73.83	1651.26
2/27/15 15:24	352.68	2.03	-0.56	290.88	13.00	74.00	1651.66
2/27/15 15:24	352.85	2.03	-0.56	290.85	13.00	74.17	1651.69
2/27/15 15:24	353.02	2.02	-0.56	290.97	13.10	74.33	1651.57
2/27/15 15:24	353.18	2.02	-0.59	291.22	13.10	74.50	1651.32
2/27/15 15:24	353.35	2.02	-0.59	291.00	13.10	74.67	1651.54
2/27/15 15:24	353.52	2.02	-0.59	290.82	13.10	74.83	1651.72
2/27/15 15:25	353.68	2.02	-0.59	290.89	13.10	75.00	1651.65
2/27/15 15:25	353.85	2.02	-0.59	290.54	13.10	75.17	1651.99
2/27/15 15:25	354.02	2.02	-0.61	290.43	13.10	75.33	1652.11
2/27/15 15:25	354.18	2.03	-0.61	290.31	13.10	75.50	1652.23
2/27/15 15:25	354.35	2.02	-0.61	290.41	13.10	75.67	1652.13
2/27/15 15:25	354.52	2.02	-0.61	290.24	13.10	75.83	1652.30
2/27/15 15:26	354.68	2.02	-0.61	290.05	13.10	76.00	1652.49
2/27/15 15:26	354.85	2.02	-0.64	289.96	13.00	76.17	1652.58
2/27/15 15:26	355.02	2.03	-0.64	289.82	13.10	76.33	1652.72
2/27/15 15:26	355.18	2.02	-0.64	289.83	13.10	76.50	1652.71
2/27/15 15:26	355.35	2.02	-0.64	289.67	13.00	76.67	1652.87
2/27/15 15:26	355.52	2.02	-0.66	289.54	13.10	76.83	1653.00
2/27/15 15:27	355.68	2.02	-0.66	289.28	13.10	77.00	1653.26
2/27/15 15:27	355.85	2.02	-0.66	289.54	13.10	77.17	1653.00
2/27/15 15:27	356.02	2.01	-0.66	289.27	13.10	77.33	1653.27
2/27/15 15:27	356.18	2.01	-0.66	289.13	13.10	77.50	1653.41
2/27/15 15:27	356.35	2.02	-0.68	289.03	13.10	77.67	1653.51

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 15:27	356.52	2.02	-0.68	288.69	13.10	77.83	1653.85
2/27/15 15:28	356.68	2.02	-0.68	288.99	13.10	78.00	1653.55
2/27/15 15:28	356.85	2.02	-0.68	288.80	13.10	78.17	1653.74
2/27/15 15:28	357.02	2.01	-0.71	288.74	13.10	78.33	1653.80
2/27/15 15:28	357.18	2.02	-0.71	288.75	13.10	78.50	1653.79
2/27/15 15:28	357.35	2.02	-0.71	288.83	13.10	78.67	1653.71
2/27/15 15:28	357.52	2.01	-0.71	288.45	13.10	78.83	1654.09
2/27/15 15:29	357.68	2.03	-0.71	288.35	13.10	79.00	1654.19
2/27/15 15:29	357.85	2.02	-0.73	288.32	13.10	79.17	1654.22
2/27/15 15:29	358.02	2.02	-0.73	288.39	13.10	79.33	1654.15
2/27/15 15:29	358.18	2.02	-0.73	288.39	13.10	79.50	1654.15
2/27/15 15:29	358.35	2.02	-0.73	288.01	13.10	79.67	1654.53
2/27/15 15:29	358.52	2.02	-0.73	287.68	13.10	79.83	1654.86
2/27/15 15:30	358.68	2.03	-0.76	287.87	13.10	80.00	1654.67
2/27/15 15:30	358.85	2.02	-0.76	287.77	13.10	80.17	1654.77
2/27/15 15:30	359.02	2.02	-0.76	287.49	13.10	80.33	1655.05
2/27/15 15:30	359.18	2.02	-0.76	287.50	13.10	80.50	1655.04
2/27/15 15:30	359.35	2.02	-0.76	287.64	13.10	80.67	1654.90
2/27/15 15:30	359.52	2.01	-0.78	287.44	13.10	80.83	1655.10
2/27/15 15:31	359.68	2.02	-0.78	287.53	13.10	81.00	1655.01
2/27/15 15:31	359.85	2.01	-0.78	287.16	13.10	81.17	1655.38
2/27/15 15:31	360.02	2.02	-0.78	286.99	13.10	81.33	1655.55
2/27/15 15:31	360.18	2.01	-0.78	286.75	13.10	81.50	1655.79
2/27/15 15:31	360.35	2.02	-0.78	286.73	13.10	81.67	1655.81
2/27/15 15:31	360.52	2.01	-0.81	286.79	13.10	81.83	1655.75
2/27/15 15:32	360.68	2.02	-0.81	286.55	13.10	82.00	1655.99
2/27/15 15:32	360.85	2.02	-0.81	286.66	13.10	82.17	1655.88
2/27/15 15:32	361.02	2.02	-0.81	286.69	13.10	82.33	1655.84
2/27/15 15:32	361.18	2.02	-0.81	286.73	13.10	82.50	1655.80
2/27/15 15:32	361.35	2.01	-0.81	286.62	13.10	82.67	1655.92
2/27/15 15:32	361.52	2.02	-0.83	286.48	13.10	82.83	1656.06
2/27/15 15:33	361.68	2.01	-0.83	286.20	13.10	83.00	1656.34
2/27/15 15:33	361.85	2.01	-0.83	286.31	13.10	83.17	1656.22
2/27/15 15:33	362.02	2.01	-0.83	286.13	13.10	83.33	1656.40
2/27/15 15:33	362.18	2.01	-0.83	285.92	13.10	83.50	1656.62
2/27/15 15:33	362.35	2.01	-0.85	285.91	13.10	83.67	1656.63
2/27/15 15:33	362.52	2.01	-0.85	285.92	13.10	83.83	1656.62
2/27/15 15:34	362.68	2.01	-0.85	285.76	13.10	84.00	1656.78
2/27/15 15:34	362.85	2.01	-0.85	285.63	13.10	84.17	1656.91
2/27/15 15:34	363.02	2.01	-0.85	285.46	13.10	84.33	1657.08
2/27/15 15:34	363.18	2.01	-0.85	285.33	13.10	84.50	1657.21
2/27/15 15:34	363.35	2.02	-0.88	285.29	13.10	84.67	1657.25
2/27/15 15:34	363.52	2.01	-0.88	285.23	13.10	84.83	1657.31
2/27/15 15:35	363.68	2.00	-0.88	285.20	13.10	85.00	1657.34
2/27/15 15:35	363.85	2.01	-0.88	285.02	13.10	85.17	1657.52
2/27/15 15:35	364.02	2.01	-0.88	285.00	13.10	85.33	1657.53
2/27/15 15:35	364.18	2.01	-0.88	284.89	13.10	85.50	1657.65
2/27/15 15:35	364.35	2.01	-0.90	284.76	13.10	85.67	1657.78
2/27/15 15:35	364.52	2.01	-0.90	284.56	13.10	85.83	1657.98
2/27/15 15:36	364.68	2.01	-0.90	284.50	13.10	86.00	1658.04
2/27/15 15:36	364.85	2.01	-0.90	284.53	13.10	86.17	1658.01
2/27/15 15:36	365.02	2.01	-0.90	284.57	13.10	86.33	1657.96
2/27/15 15:36	365.18	2.01	-0.90	284.47	13.10	86.50	1658.07
2/27/15 15:36	365.35	2.01	-0.93	284.52	13.10	86.67	1658.02
2/27/15 15:36	365.52	2.01	-0.93	284.17	13.10	86.83	1658.37
2/27/15 15:37	365.68	2.01	-0.93	284.07	13.10	87.00	1658.46
2/27/15 15:37	365.85	2.00	-0.93	284.00	13.10	87.17	1658.54
2/27/15 15:37	366.02	2.01	-0.93	283.91	13.10	87.33	1658.63
2/27/15 15:37	366.18	2.01	-0.93	283.84	13.10	87.50	1658.70
2/27/15 15:37	366.35	2.01	-0.95	283.86	13.10	87.67	1658.68
2/27/15 15:37	366.52	2.02	-0.95	283.63	13.10	87.83	1658.91
2/27/15 15:38	366.68	2.01	-0.95	283.57	13.10	88.00	1658.97
2/27/15 15:38	366.85	2.01	-0.95	283.50	13.10	88.17	1659.04
2/27/15 15:38	367.02	2.01	-0.95	283.31	13.10	88.33	1659.23
2/27/15 15:38	367.18	2.01	-0.95	283.16	13.10	88.50	1659.38
2/27/15 15:38	367.35	2.01	-0.98	283.09	13.10	88.67	1659.45
2/27/15 15:38	367.52	2.01	-0.98	283.02	13.10	88.83	1659.52
2/27/15 15:39	367.68	2.01	-0.98	283.12	13.10	89.00	1659.42
2/27/15 15:39	367.85	2.02	-0.98	282.98	13.10	89.17	1659.56

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 15:39	368.02	2.01	-0.98	282.75	13.10	89.33	1659.79
2/27/15 15:39	368.18	2.01	-0.98	282.96	13.10	89.50	1659.58
2/27/15 15:39	368.35	2.00	-1.00	282.60	13.10	89.67	1659.94
2/27/15 15:39	368.52	2.01	-1.00	282.63	13.10	89.83	1659.91
2/27/15 15:40	368.68	2.01	-1.00	282.45	13.10	90.00	1660.09
2/27/15 15:40	368.85	2.01	-1.00	282.59	13.20	90.17	1659.95
2/27/15 15:40	369.02	2.01	-1.00	282.49	13.10	90.33	1660.05
2/27/15 15:40	369.18	2.01	-1.02	282.33	13.10	90.50	1660.21
2/27/15 15:40	369.35	2.01	-1.02	282.39	13.20	90.67	1660.15
2/27/15 15:40	369.52	2.01	-1.02	282.38	13.10	90.83	1660.16
2/27/15 15:41	369.68	2.01	-1.02	282.25	13.10	91.00	1660.29
2/27/15 15:41	369.85	2.00	-1.05	281.72	13.10	91.17	1660.82
2/27/15 15:41	370.02	2.01	-1.05	282.02	13.10	91.33	1660.52
2/27/15 15:41	370.18	2.00	-1.05	281.71	13.10	91.50	1660.83
2/27/15 15:41	370.35	2.01	-1.05	281.70	13.10	91.67	1660.84
2/27/15 15:41	370.52	2.01	-1.07	281.60	13.10	91.83	1660.94
2/27/15 15:42	370.68	2.01	-1.07	281.59	13.20	92.00	1660.94
2/27/15 15:42	370.85	2.01	-1.07	281.51	13.20	92.17	1661.03
2/27/15 15:42	371.02	2.00	-1.07	281.49	13.10	92.33	1661.04
2/27/15 15:42	371.18	2.00	-1.07	281.30	13.10	92.50	1661.24
2/27/15 15:42	371.35	2.00	-1.10	281.16	13.20	92.67	1661.38
2/27/15 15:42	371.52	2.00	-1.10	280.98	13.20	92.83	1661.56
2/27/15 15:43	371.68	2.00	-1.10	281.12	13.20	93.00	1661.42
2/27/15 15:43	371.85	2.00	-1.10	280.94	13.20	93.17	1661.60
2/27/15 15:43	372.02	2.01	-1.12	281.04	13.10	93.33	1661.50
2/27/15 15:43	372.18	2.00	-1.12	281.01	13.20	93.50	1661.53
2/27/15 15:43	372.35	2.00	-1.12	280.91	13.20	93.67	1661.63
2/27/15 15:43	372.52	2.00	-1.12	280.57	13.20	93.83	1661.97
2/27/15 15:44	372.68	2.00	-1.12	280.67	13.20	94.00	1661.87
2/27/15 15:44	372.85	2.01	-1.15	280.51	13.20	94.17	1662.03
2/27/15 15:44	373.02	2.00	-1.15	280.48	13.20	94.33	1662.06
2/27/15 15:44	373.18	2.01	-1.15	280.31	13.10	94.50	1662.23
2/27/15 15:44	373.35	2.00	-1.15	280.36	13.20	94.67	1662.18
2/27/15 15:44	373.52	2.01	-1.15	280.29	13.20	94.83	1662.25
2/27/15 15:45	373.68	2.01	-1.15	280.30	13.20	95.00	1662.24
2/27/15 15:45	373.85	2.01	-1.17	280.04	13.20	95.17	1662.50
2/27/15 15:45	374.02	2.00	-1.17	279.93	13.20	95.33	1662.61
2/27/15 15:45	374.18	2.00	-1.17	280.33	13.20	95.50	1662.21
2/27/15 15:45	374.35	2.00	-1.17	280.02	13.20	95.67	1662.52
2/27/15 15:45	374.52	1.99	-1.17	279.72	13.20	95.83	1662.82
2/27/15 15:46	374.68	2.01	-1.17	279.71	13.20	96.00	1662.83
2/27/15 15:46	374.85	2.01	-1.20	279.78	13.20	96.17	1662.75
2/27/15 15:46	375.02	2.00	-1.20	279.52	13.20	96.33	1663.02
2/27/15 15:46	375.18	1.99	-1.20	279.43	13.20	96.50	1663.11
2/27/15 15:46	375.35	2.00	-1.20	279.40	13.20	96.67	1663.14
2/27/15 15:46	375.52	2.01	-1.20	279.36	13.20	96.83	1663.17
2/27/15 15:47	375.68	2.00	-1.20	279.26	13.20	97.00	1663.28
2/27/15 15:47	375.85	2.00	-1.20	279.17	13.20	97.17	1663.37
2/27/15 15:47	376.02	2.00	-1.22	279.18	13.20	97.33	1663.36
2/27/15 15:47	376.18	2.00	-1.22	279.01	13.20	97.50	1663.53
2/27/15 15:47	376.35	2.00	-1.22	279.00	13.20	97.67	1663.54
2/27/15 15:47	376.52	2.00	-1.22	278.94	13.20	97.83	1663.60
2/27/15 15:48	376.68	2.00	-1.22	278.81	13.20	98.00	1663.73
2/27/15 15:48	376.85	2.00	-1.22	278.86	13.20	98.17	1663.68
2/27/15 15:48	377.02	2.00	-1.22	278.71	13.20	98.33	1663.83
2/27/15 15:48	377.18	2.00	-1.24	278.44	13.20	98.50	1664.10
2/27/15 15:48	377.35	2.00	-1.24	278.56	13.20	98.67	1663.98
2/27/15 15:48	377.52	2.00	-1.24	278.29	13.20	98.83	1664.25
2/27/15 15:49	377.68	2.00	-1.24	278.33	13.20	99.00	1664.21
2/27/15 15:49	377.85	2.00	-1.24	278.32	13.20	99.17	1664.22
2/27/15 15:49	378.02	2.00	-1.27	278.08	13.20	99.33	1664.46
2/27/15 15:49	378.18	2.00	-1.27	278.00	13.20	99.50	1664.54
2/27/15 15:49	378.35	2.00	-1.27	277.90	13.20	99.67	1664.64
2/27/15 15:49	378.52	2.00	-1.27	278.24	13.20	99.83	1664.30
2/27/15 15:50	378.68	2.00	-1.27	278.07	13.20	100.00	1664.47
2/27/15 15:50	378.85	2.00	-1.29	277.99	13.20	100.17	1664.55
2/27/15 15:50	379.02	2.00	-1.29	278.01	13.20	100.33	1664.53
2/27/15 15:50	379.18	2.00	-1.29	278.14	13.20	100.50	1664.39
2/27/15 15:50	379.35	2.00	-1.29	277.86	13.20	100.67	1664.68

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 15:50	379.52	2.00	-1.29	277.64	13.20	100.83	1664.90
2/27/15 15:51	379.68	2.00	-1.32	277.43	13.20	101.00	1665.11
2/27/15 15:51	379.85	2.00	-1.32	277.38	13.20	101.17	1665.16
2/27/15 15:51	380.02	2.00	-1.32	277.38	13.20	101.33	1665.16
2/27/15 15:51	380.18	2.00	-1.32	277.31	13.20	101.50	1665.23
2/27/15 15:51	380.35	2.00	-1.32	277.39	13.20	101.67	1665.15
2/27/15 15:51	380.52	1.99	-1.34	277.01	13.20	101.83	1665.53
2/27/15 15:52	380.68	2.00	-1.34	277.18	13.20	102.00	1665.36
2/27/15 15:52	380.85	2.00	-1.34	277.09	13.20	102.17	1665.44
2/27/15 15:52	381.02	1.99	-1.34	276.97	13.20	102.33	1665.57
2/27/15 15:52	381.18	2.00	-1.34	276.87	13.20	102.50	1665.67
2/27/15 15:52	381.35	2.00	-1.34	276.73	13.20	102.67	1665.81
2/27/15 15:52	381.52	1.99	-1.34	276.67	13.20	102.83	1665.86
2/27/15 15:53	381.68	1.99	-1.34	276.78	13.20	103.00	1665.76
2/27/15 15:53	381.85	1.99	-1.34	276.72	13.20	103.17	1665.81
2/27/15 15:53	382.02	1.99	-1.34	276.67	13.20	103.33	1665.87
2/27/15 15:53	382.18	1.99	-1.34	276.47	13.30	103.50	1666.07
2/27/15 15:53	382.35	1.99	-1.34	276.52	13.20	103.67	1666.02
2/27/15 15:53	382.52	2.00	-1.34	276.40	13.20	103.83	1666.14
2/27/15 15:54	382.68	1.99	-1.32	276.22	13.20	104.00	1666.32
2/27/15 15:54	382.85	2.00	-1.32	276.12	13.20	104.17	1666.42
2/27/15 15:54	383.02	1.98	-1.32	276.12	13.20	104.33	1666.42
2/27/15 15:54	383.18	2.00	-1.32	276.03	13.20	104.50	1666.51
2/27/15 15:54	383.35	1.99	-1.32	276.01	13.20	104.67	1666.53
2/27/15 15:54	383.52	2.00	-1.29	275.98	13.20	104.83	1666.56
2/27/15 15:55	383.68	1.99	-1.29	276.19	13.20	105.00	1666.35
2/27/15 15:55	383.85	2.00	-1.29	275.70	13.20	105.17	1666.84
2/27/15 15:55	384.02	1.98	-1.29	275.81	13.20	105.33	1666.73
2/27/15 15:55	384.18	2.00	-1.27	275.84	13.20	105.50	1666.70
2/27/15 15:55	384.35	2.00	-1.27	275.57	13.20	105.67	1666.97
2/27/15 15:55	384.52	2.01	-1.27	275.60	13.20	105.83	1666.94
2/27/15 15:56	384.68	1.98	-1.27	275.73	13.20	106.00	1666.81
2/27/15 15:56	384.85	2.00	-1.24	275.50	13.20	106.17	1667.04
2/27/15 15:56	385.02	1.99	-1.24	275.29	13.20	106.33	1667.25
2/27/15 15:56	385.18	2.00	-1.24	275.16	13.20	106.50	1667.37
2/27/15 15:56	385.35	2.01	-1.24	275.15	13.20	106.67	1667.38
2/27/15 15:56	385.52	1.98	-1.22	275.21	13.20	106.83	1667.32
2/27/15 15:57	385.68	1.98	-1.22	275.13	13.20	107.00	1667.41
2/27/15 15:57	385.85	2.00	-1.22	274.99	13.20	107.17	1667.55
2/27/15 15:57	386.02	1.99	-1.20	274.92	13.30	107.33	1667.62
2/27/15 15:57	386.18	2.00	-1.20	274.78	13.20	107.50	1667.76
2/27/15 15:57	386.35	1.98	-1.20	274.91	13.20	107.67	1667.63
2/27/15 15:57	386.52	2.00	-1.17	274.78	13.20	107.83	1667.76
2/27/15 15:58	386.68	1.99	-1.17	274.71	13.20	108.00	1667.83
2/27/15 15:58	386.85	1.98	-1.17	274.52	13.20	108.17	1668.02
2/27/15 15:58	387.02	1.98	-1.15	274.64	13.20	108.33	1667.89
2/27/15 15:58	387.18	1.98	-1.15	274.47	13.30	108.50	1668.07
2/27/15 15:58	387.35	1.98	-1.15	274.43	13.20	108.67	1668.11
2/27/15 15:58	387.52	1.99	-1.12	274.49	13.20	108.83	1668.05
2/27/15 15:59	387.68	2.00	-1.12	274.42	13.20	109.00	1668.12
2/27/15 15:59	387.85	1.99	-1.10	274.38	13.20	109.17	1668.15
2/27/15 15:59	388.02	2.00	-1.10	274.25	13.30	109.33	1668.29
2/27/15 15:59	388.18	1.98	-1.10	274.13	13.20	109.50	1668.41
2/27/15 15:59	388.35	1.99	-1.07	273.95	13.20	109.67	1668.59
2/27/15 15:59	388.52	2.00	-1.07	274.00	13.20	109.83	1668.54
2/27/15 16:00	388.68	1.98	-1.05	273.84	13.20	110.00	1668.70
2/27/15 16:00	388.85	1.99	-1.05	274.00	13.20	110.17	1668.54
2/27/15 16:00	389.02	1.99	-1.05	273.88	13.30	110.33	1668.66
2/27/15 16:00	389.18	1.98	-1.02	273.79	13.30	110.50	1668.75
2/27/15 16:00	389.35	1.99	-1.02	273.69	13.30	110.67	1668.85
2/27/15 16:00	389.52	1.98	-1.00	273.75	13.20	110.83	1668.79
2/27/15 16:01	389.68	1.99	-1.00	273.60	13.20	111.00	1668.94
2/27/15 16:01	389.85	1.99	-0.98	273.70	13.30	111.17	1668.84
2/27/15 16:01	390.02	1.99	-0.98	273.64	13.30	111.33	1668.90
2/27/15 16:01	390.18	1.99	-0.95	273.54	13.30	111.50	1669.00
2/27/15 16:01	390.35	1.99	-0.95	273.51	13.30	111.67	1669.03
2/27/15 16:01	390.52	1.98	-0.93	273.47	13.20	111.83	1669.07
2/27/15 16:02	390.68	1.99	-0.93	273.27	13.30	112.00	1669.27
2/27/15 16:02	390.85	1.98	-0.90	273.01	13.30	112.17	1669.53

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 16:02	391.02	1.98	-0.90	272.91	13.30	112.33	1669.63
2/27/15 16:02	391.18	1.99	-0.88	272.91	13.30	112.50	1669.63
2/27/15 16:02	391.35	1.98	-0.88	272.96	13.30	112.67	1669.58
2/27/15 16:02	391.52	1.98	-0.85	272.87	13.30	112.83	1669.67
2/27/15 16:03	391.68	1.98	-0.85	272.77	13.30	113.00	1669.77
2/27/15 16:03	391.85	1.98	-0.83	272.79	13.20	113.17	1669.75
2/27/15 16:03	392.02	1.99	-0.83	272.62	13.20	113.33	1669.92
2/27/15 16:03	392.18	1.98	-0.81	272.32	13.30	113.50	1670.22
2/27/15 16:03	392.35	1.98	-0.81	272.50	13.30	113.67	1670.04
2/27/15 16:03	392.52	1.99	-0.78	272.59	13.30	113.83	1669.95
2/27/15 16:04	392.68	1.98	-0.78	272.11	13.30	114.00	1670.42
2/27/15 16:04	392.85	1.98	-0.76	272.06	13.30	114.17	1670.47
2/27/15 16:04	393.02	1.98	-0.76	272.09	13.30	114.33	1670.45
2/27/15 16:04	393.18	1.99	-0.73	272.03	13.30	114.50	1670.51
2/27/15 16:04	393.35	1.99	-0.71	271.76	13.30	114.67	1670.77
2/27/15 16:04	393.52	1.98	-0.71	271.75	13.30	114.83	1670.79
2/27/15 16:05	393.68	1.98	-0.68	271.65	13.30	115.00	1670.89
2/27/15 16:05	393.85	1.98	-0.68	271.48	13.20	115.17	1671.06
2/27/15 16:05	394.02	1.98	-0.66	271.47	13.30	115.33	1671.07
2/27/15 16:05	394.18	1.99	-0.66	271.80	13.30	115.50	1670.74
2/27/15 16:05	394.35	1.98	-0.64	271.58	13.30	115.67	1670.96
2/27/15 16:05	394.52	1.99	-0.61	271.57	13.30	115.83	1670.97
2/27/15 16:06	394.68	1.99	-0.61	271.28	13.30	116.00	1671.26
2/27/15 16:06	394.85	1.99	-0.59	271.20	13.30	116.17	1671.34
2/27/15 16:06	395.02	1.98	-0.59	271.00	13.30	116.33	1671.54
2/27/15 16:06	395.18	1.98	-0.56	270.96	13.30	116.50	1671.58
2/27/15 16:06	395.35	1.98	-0.56	270.97	13.30	116.67	1671.57
2/27/15 16:06	395.52	1.98	-0.54	270.70	13.30	116.83	1671.84
2/27/15 16:07	395.68	1.98	-0.54	270.60	13.30	117.00	1671.94
2/27/15 16:07	395.85	1.98	-0.51	270.63	13.30	117.17	1671.91
2/27/15 16:07	396.02	1.99	-0.51	270.40	13.30	117.33	1672.14
2/27/15 16:07	396.18	1.98	-0.49	270.52	13.30	117.50	1672.02
2/27/15 16:07	396.35	1.99	-0.49	270.25	13.30	117.67	1672.29
2/27/15 16:07	396.52	1.98	-0.47	270.21	13.30	117.83	1672.33
2/27/15 16:08	396.68	1.98	-0.47	270.06	13.30	118.00	1672.48
2/27/15 16:08	396.85	1.99	-0.44	270.10	13.30	118.17	1672.44
2/27/15 16:08	397.02	1.98	-0.44	270.03	13.20	118.33	1672.51
2/27/15 16:08	397.18	1.99	-0.42	270.01	13.30	118.50	1672.53
2/27/15 16:08	397.35	1.98	-0.42	269.76	13.30	118.67	1672.78
2/27/15 16:08	397.52	1.98	-0.39	269.48	13.30	118.83	1673.06
2/27/15 16:09	397.68	1.98	-0.39	269.51	13.20	119.00	1673.03
2/27/15 16:09	397.85	1.98	-0.37	269.45	13.30	119.17	1673.09
2/27/15 16:09	398.02	1.98	-0.37	269.40	13.30	119.33	1673.14
2/27/15 16:09	398.18	1.98	-0.34	269.48	13.30	119.50	1673.06
2/27/15 16:09	398.35	1.98	-0.34	269.32	13.30	119.67	1673.22
2/27/15 16:09	398.52	1.98	-0.32	269.50	13.30	119.83	1673.04
2/27/15 16:10	398.68	1.98	-0.32	269.18	13.30	120.00	1673.36
2/27/15 16:10	398.85	1.98	-0.30	269.30	13.30	120.17	1673.24
2/27/15 16:10	399.02	1.98	-0.30	269.17	13.30	120.33	1673.37
2/27/15 16:10	399.18	1.98	-0.27	268.75	13.30	120.50	1673.79
2/27/15 16:10	399.35	1.98	-0.27	268.77	13.30	120.67	1673.77
2/27/15 16:10	399.52	1.98	-0.25	268.62	13.30	120.83	1673.92
2/27/15 16:11	399.68	1.98	-0.25	268.63	13.30	121.00	1673.91
2/27/15 16:11	399.85	1.99	-0.22	268.42	13.20	121.17	1674.12
2/27/15 16:11	400.02	1.98	-0.22	268.35	13.30	121.33	1674.19
2/27/15 16:11	400.18	1.98	-0.20	268.52	13.30	121.50	1674.02
2/27/15 16:11	400.35	1.99	-0.20	268.31	13.30	121.67	1674.23
2/27/15 16:11	400.52	1.98	-0.17	268.23	13.30	121.83	1674.31
2/27/15 16:12	400.68	1.98	-0.17	267.99	13.30	122.00	1674.55
2/27/15 16:12	400.85	1.99	-0.15	268.04	13.30	122.17	1674.50
2/27/15 16:12	401.02	1.99	-0.15	267.87	13.30	122.33	1674.67
2/27/15 16:12	401.18	1.99	-0.13	267.81	13.30	122.50	1674.73
2/27/15 16:12	401.35	1.98	-0.13	267.49	13.30	122.67	1675.04
2/27/15 16:12	401.52	1.98	-0.10	267.44	13.30	122.83	1675.10
2/27/15 16:13	401.68	1.99	-0.10	267.54	13.30	123.00	1675.00
2/27/15 16:13	401.85	1.99	-0.08	267.39	13.30	123.17	1675.15
2/27/15 16:13	402.02	1.98	-0.08	267.25	13.30	123.33	1675.29
2/27/15 16:13	402.18	1.98	-0.05	267.36	13.30	123.50	1675.18
2/27/15 16:13	402.35	1.99	-0.05	267.17	13.30	123.67	1675.37

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 16:13	402.52	1.98	-0.03	267.16	13.30	123.83	1675.38
2/27/15 16:14	402.68	1.98	-0.03	267.28	13.30	124.00	1675.26
2/27/15 16:14	402.85	1.98	0.00	267.27	13.30	124.17	1675.27
2/27/15 16:14	403.02	1.99	0.00	267.00	13.30	124.33	1675.54
2/27/15 16:14	403.18	1.99	0.02	267.01	13.30	124.50	1675.53
2/27/15 16:14	403.35	1.98	0.02	266.36	13.30	124.67	1676.18
2/27/15 16:14	403.52	1.98	0.04	266.57	13.30	124.83	1675.97
2/27/15 16:15	403.68	1.98	0.04	266.25	13.30	125.00	1676.29
2/27/15 16:15	403.85	1.98	0.07	266.58	13.30	125.17	1675.96
2/27/15 16:15	404.02	1.98	0.07	266.33	13.30	125.33	1676.21
2/27/15 16:15	404.18	1.98	0.07	266.58	13.30	125.50	1675.96
2/27/15 16:15	404.35	1.98	0.09	266.56	13.30	125.67	1675.98
2/27/15 16:15	404.52	1.98	0.09	266.37	13.30	125.83	1676.17
2/27/15 16:16	404.68	1.98	0.09	265.96	13.30	126.00	1676.58
2/27/15 16:16	404.85	1.98	0.12	265.96	13.30	126.17	1676.58
2/27/15 16:16	405.02	1.98	0.12	265.73	13.30	126.33	1676.81
2/27/15 16:16	405.18	1.98	0.12	266.01	13.30	126.50	1676.53
2/27/15 16:16	405.35	1.98	0.14	265.76	13.30	126.67	1676.78
2/27/15 16:16	405.52	1.98	0.14	265.57	13.30	126.83	1676.97
2/27/15 16:17	405.68	1.98	0.14	265.64	13.30	127.00	1676.89
2/27/15 16:17	405.85	1.98	0.17	265.42	13.30	127.17	1677.12
2/27/15 16:17	406.02	1.98	0.17	265.43	13.30	127.33	1677.11
2/27/15 16:17	406.18	1.98	0.17	265.14	13.30	127.50	1677.40
2/27/15 16:17	406.35	1.98	0.19	265.19	13.30	127.67	1677.35
2/27/15 16:17	406.52	1.98	0.19	265.30	13.30	127.83	1677.23
2/27/15 16:18	406.68	1.98	0.19	265.07	13.30	128.00	1677.47
2/27/15 16:18	406.85	1.98	0.21	265.01	13.30	128.17	1677.53
2/27/15 16:18	407.02	1.98	0.21	265.23	13.30	128.33	1677.31
2/27/15 16:18	407.18	1.99	0.21	265.04	13.30	128.50	1677.50
2/27/15 16:18	407.35	1.98	0.24	264.91	13.30	128.67	1677.63
2/27/15 16:18	407.52	1.98	0.24	264.72	13.30	128.83	1677.82
2/27/15 16:19	407.68	1.99	0.26	264.46	13.30	129.00	1678.08
2/27/15 16:19	407.85	1.98	0.26	264.47	13.30	129.17	1678.07
2/27/15 16:19	408.02	1.98	0.29	264.20	13.30	129.33	1678.33
2/27/15 16:19	408.18	1.98	0.29	264.35	13.30	129.50	1678.19
2/27/15 16:19	408.35	1.99	0.29	264.28	13.30	129.67	1678.26
2/27/15 16:19	408.52	1.98	0.31	264.10	13.30	129.83	1678.43
2/27/15 16:20	408.68	1.98	0.31	264.36	13.30	130.00	1678.18
2/27/15 16:20	408.85	1.98	0.34	264.24	13.30	130.17	1678.30
2/27/15 16:20	409.02	1.98	0.34	264.09	13.30	130.33	1678.45
2/27/15 16:20	409.18	1.99	0.36	264.00	13.30	130.50	1678.54
2/27/15 16:20	409.35	1.98	0.36	263.74	13.30	130.67	1678.80
2/27/15 16:20	409.52	1.98	0.36	263.77	13.30	130.83	1678.77
2/27/15 16:21	409.68	1.99	0.38	263.77	13.30	131.00	1678.77
2/27/15 16:21	409.85	1.98	0.38	263.53	13.30	131.17	1679.01
2/27/15 16:21	410.02	1.99	0.41	263.50	13.30	131.33	1679.04
2/27/15 16:21	410.18	1.99	0.41	263.34	13.30	131.50	1679.20
2/27/15 16:21	410.35	1.98	0.43	263.37	13.30	131.67	1679.17
2/27/15 16:21	410.52	1.99	0.43	263.43	13.30	131.83	1679.11
2/27/15 16:22	410.68	1.98	0.46	262.94	13.30	132.00	1679.60
2/27/15 16:22	410.85	1.99	0.46	263.10	13.30	132.17	1679.44
2/27/15 16:22	411.02	1.98	0.48	262.99	13.30	132.33	1679.55
2/27/15 16:22	411.18	1.98	0.48	263.02	13.30	132.50	1679.51
2/27/15 16:22	411.35	1.99	0.51	262.78	13.30	132.67	1679.76
2/27/15 16:22	411.52	1.98	0.51	262.90	13.30	132.83	1679.64
2/27/15 16:23	411.68	1.99	0.53	262.84	13.30	133.00	1679.70
2/27/15 16:23	411.85	1.99	0.53	262.81	13.30	133.17	1679.73
2/27/15 16:23	412.02	1.98	0.55	262.66	13.30	133.33	1679.88
2/27/15 16:23	412.18	1.98	0.55	262.71	13.30	133.50	1679.83
2/27/15 16:23	412.35	1.99	0.58	262.03	13.30	133.67	1680.51
2/27/15 16:23	412.52	1.99	0.58	262.07	13.30	133.83	1680.47
2/27/15 16:24	412.68	1.99	0.58	262.25	13.30	134.00	1680.29
2/27/15 16:24	412.85	1.98	0.60	262.11	13.30	134.17	1680.43
2/27/15 16:24	413.02	1.98	0.60	262.03	13.30	134.33	1680.51
2/27/15 16:24	413.18	1.99	0.63	261.86	13.30	134.50	1680.68
2/27/15 16:24	413.35	1.98	0.63	262.43	13.30	134.67	1680.11
2/27/15 16:24	413.52	1.98	0.65	262.11	13.30	134.83	1680.43
2/27/15 16:25	413.68	1.99	0.65	261.78	13.30	135.00	1680.76
2/27/15 16:25	413.85	1.99	0.68	261.81	13.30	135.17	1680.73

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 16:25	414.02	1.98	0.68	261.60	13.30	135.33	1680.94
2/27/15 16:25	414.18	1.99	0.70	261.43	13.30	135.50	1681.11
2/27/15 16:25	414.35	1.99	0.70	261.20	13.30	135.67	1681.33
2/27/15 16:25	414.52	1.99	0.72	261.08	13.30	135.83	1681.46
2/27/15 16:26	414.68	1.99	0.72	261.13	13.30	136.00	1681.41
2/27/15 16:26	414.85	1.98	0.72	261.13	13.30	136.17	1681.41
2/27/15 16:26	415.02	1.99	0.75	260.88	13.30	136.33	1681.66
2/27/15 16:26	415.18	1.99	0.75	261.08	13.40	136.50	1681.46
2/27/15 16:26	415.35	1.99	0.77	260.89	13.30	136.67	1681.65
2/27/15 16:26	415.52	1.98	0.77	260.77	13.30	136.83	1681.77
2/27/15 16:27	415.68	1.99	0.77	260.80	13.30	137.00	1681.74
2/27/15 16:27	415.85	1.99	0.80	260.80	13.30	137.17	1681.74
2/27/15 16:27	416.02	1.98	0.80	260.66	13.30	137.33	1681.88
2/27/15 16:27	416.18	1.99	0.80	260.78	13.30	137.50	1681.76
2/27/15 16:27	416.35	1.99	0.82	260.68	13.30	137.67	1681.86
2/27/15 16:27	416.52	1.99	0.82	260.25	13.30	137.83	1682.29
2/27/15 16:28	416.68	1.99	0.84	260.04	13.30	138.00	1682.50
2/27/15 16:28	416.85	1.98	0.84	260.24	13.30	138.17	1682.30
2/27/15 16:28	417.02	1.99	0.84	260.03	13.30	138.33	1682.51
2/27/15 16:28	417.18	1.99	0.87	259.82	13.30	138.50	1682.72
2/27/15 16:28	417.35	1.99	0.87	259.77	13.30	138.67	1682.77
2/27/15 16:28	417.52	1.99	0.87	259.93	13.40	138.83	1682.61
2/27/15 16:29	417.68	1.99	0.89	260.13	13.30	139.00	1682.41
2/27/15 16:29	417.85	1.99	0.89	260.24	13.30	139.17	1682.30
2/27/15 16:29	418.02	1.98	0.89	259.90	13.30	139.33	1682.64
2/27/15 16:29	418.18	1.98	0.92	259.59	13.30	139.50	1682.95
2/27/15 16:29	418.35	1.99	0.92	259.62	13.30	139.67	1682.92
2/27/15 16:29	418.52	1.99	0.92	259.39	13.30	139.83	1683.15
2/27/15 16:30	418.68	1.99	0.94	259.42	13.30	140.00	1683.12
2/27/15 16:30	418.85	1.99	0.94	259.28	13.30	140.17	1683.26
2/27/15 16:30	419.02	1.98	0.94	259.20	13.30	140.33	1683.33
2/27/15 16:30	419.18	1.99	0.97	258.89	13.30	140.50	1683.65
2/27/15 16:30	419.35	1.99	0.97	258.99	13.30	140.67	1683.55
2/27/15 16:30	419.52	1.99	0.97	258.91	13.30	140.83	1683.62
2/27/15 16:31	419.68	1.98	0.99	258.79	13.30	141.00	1683.75
2/27/15 16:31	419.85	1.99	0.99	258.66	13.30	141.17	1683.88
2/27/15 16:31	420.02	1.99	0.99	258.47	13.30	141.33	1684.07
2/27/15 16:31	420.18	1.99	0.99	258.55	13.30	141.50	1683.99
2/27/15 16:31	420.35	1.98	1.01	258.47	13.30	141.67	1684.07
2/27/15 16:31	420.52	1.99	1.01	258.43	13.30	141.83	1684.11
2/27/15 16:32	420.68	1.99	1.01	258.54	13.30	142.00	1684.00
2/27/15 16:32	420.85	1.99	1.04	258.21	13.30	142.17	1684.33
2/27/15 16:32	421.02	1.99	1.04	258.23	13.30	142.33	1684.31
2/27/15 16:32	421.18	1.99	1.04	258.09	13.30	142.50	1684.44
2/27/15 16:32	421.35	1.99	1.06	257.94	13.30	142.67	1684.60
2/27/15 16:32	421.52	1.99	1.06	257.86	13.30	142.83	1684.68
2/27/15 16:33	421.68	1.99	1.06	257.88	13.30	143.00	1684.66
2/27/15 16:33	421.85	1.99	1.06	257.69	13.30	143.17	1684.85
2/27/15 16:33	422.02	1.99	1.09	257.80	13.30	143.33	1684.74
2/27/15 16:33	422.18	1.99	1.09	257.93	13.40	143.50	1684.61
2/27/15 16:33	422.35	1.99	1.09	257.90	13.30	143.67	1684.63
2/27/15 16:33	422.52	1.98	1.11	257.95	13.30	143.83	1684.59
2/27/15 16:34	422.68	2.00	1.11	257.79	13.30	144.00	1684.75
2/27/15 16:34	422.85	1.99	1.11	257.66	13.30	144.17	1684.88
2/27/15 16:34	423.02	1.99	1.11	257.25	13.40	144.33	1685.29
2/27/15 16:34	423.18	1.99	1.11	257.38	13.30	144.50	1685.16
2/27/15 16:34	423.35	1.99	1.11	257.10	13.30	144.67	1685.44
2/27/15 16:34	423.52	1.99	1.14	256.85	13.30	144.83	1685.69
2/27/15 16:35	423.68	1.99	1.14	256.84	13.30	145.00	1685.69
2/27/15 16:35	423.85	1.99	1.14	256.50	13.30	145.17	1686.04
2/27/15 16:35	424.02	1.98	1.14	256.96	13.30	145.33	1685.58
2/27/15 16:35	424.18	1.98	1.14	256.58	13.30	145.50	1685.96
2/27/15 16:35	424.35	1.99	1.14	256.50	13.30	145.67	1686.04
2/27/15 16:35	424.52	2.00	1.14	256.48	13.30	145.83	1686.06
2/27/15 16:36	424.68	1.99	1.16	256.56	13.40	146.00	1685.98
2/27/15 16:36	424.85	1.99	1.16	256.19	13.30	146.17	1686.35
2/27/15 16:36	425.02	1.99	1.16	256.44	13.40	146.33	1686.10
2/27/15 16:36	425.18	2.00	1.16	256.25	13.30	146.50	1686.29
2/27/15 16:36	425.35	1.99	1.16	256.43	13.30	146.67	1686.11

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 16:36	425.52	1.98	1.16	256.13	13.30	146.83	1686.41
2/27/15 16:37	425.68	1.98	1.16	255.89	13.30	147.00	1686.65
2/27/15 16:37	425.85	2.00	1.16	255.71	13.30	147.17	1686.83
2/27/15 16:37	426.02	2.00	1.18	255.77	13.40	147.33	1686.77
2/27/15 16:37	426.18	2.00	1.18	255.57	13.30	147.50	1686.97
2/27/15 16:37	426.35	2.00	1.18	255.85	13.30	147.67	1686.69
2/27/15 16:37	426.52	1.98	1.18	255.59	13.30	147.83	1686.95
2/27/15 16:38	426.68	2.00	1.18	255.50	13.30	148.00	1687.04
2/27/15 16:38	426.85	2.00	1.18	255.64	13.30	148.17	1686.90
2/27/15 16:38	427.02	2.00	1.18	255.75	13.30	148.33	1686.79
2/27/15 16:38	427.18	2.00	1.18	255.60	13.30	148.50	1686.94
2/27/15 16:38	427.35	1.98	1.21	255.36	13.40	148.67	1687.18
2/27/15 16:38	427.52	1.98	1.21	255.17	13.40	148.83	1687.37
2/27/15 16:39	427.68	2.00	1.21	255.27	13.30	149.00	1687.26
2/27/15 16:39	427.85	1.98	1.21	255.15	13.30	149.17	1687.39
2/27/15 16:39	428.02	2.00	1.21	255.13	13.40	149.33	1687.41
2/27/15 16:39	428.18	2.00	1.21	254.90	13.40	149.50	1687.64
2/27/15 16:39	428.35	2.00	1.21	254.91	13.40	149.67	1687.63
2/27/15 16:39	428.52	2.00	1.21	254.54	13.30	149.83	1688.00
2/27/15 16:40	428.68	2.00	1.21	254.41	13.40	150.00	1688.12
2/27/15 16:40	428.85	2.00	1.21	254.53	13.40	150.17	1688.01
2/27/15 16:40	429.02	2.01	1.23	254.31	13.40	150.33	1688.22
2/27/15 16:40	429.18	1.98	1.23	254.37	13.40	150.50	1688.17
2/27/15 16:40	429.35	1.98	1.23	254.39	13.40	150.67	1688.15
2/27/15 16:40	429.52	2.00	1.23	254.11	13.30	150.83	1688.43
2/27/15 16:41	429.68	2.00	1.23	254.25	13.40	151.00	1688.29
2/27/15 16:41	429.85	2.00	1.23	254.26	13.30	151.17	1688.28
2/27/15 16:41	430.02	2.00	1.23	254.14	13.40	151.33	1688.40
2/27/15 16:41	430.18	2.00	1.23	254.01	13.40	151.50	1688.53
2/27/15 16:41	430.35	2.00	1.23	254.06	13.40	151.67	1688.48
2/27/15 16:41	430.52	2.00	1.23	253.51	13.30	151.83	1689.03
2/27/15 16:42	430.68	2.00	1.23	253.69	13.40	152.00	1688.85
2/27/15 16:42	430.85	1.99	1.23	253.62	13.30	152.17	1688.92
2/27/15 16:42	431.02	2.00	1.23	253.52	13.30	152.33	1689.02
2/27/15 16:42	431.18	2.00	1.26	253.68	13.30	152.50	1688.86
2/27/15 16:42	431.35	2.00	1.26	253.54	13.40	152.67	1689.00
2/27/15 16:42	431.52	2.00	1.26	253.48	13.40	152.83	1689.06
2/27/15 16:43	431.68	2.00	1.26	253.58	13.40	153.00	1688.96
2/27/15 16:43	431.85	2.00	1.26	253.37	13.40	153.17	1689.17
2/27/15 16:43	432.02	2.00	1.26	253.25	13.40	153.33	1689.29
2/27/15 16:43	432.18	2.00	1.26	253.27	13.40	153.50	1689.27
2/27/15 16:43	432.35	2.00	1.26	253.05	13.40	153.67	1689.49
2/27/15 16:43	432.52	2.00	1.26	253.16	13.40	153.83	1689.38
2/27/15 16:44	432.68	2.00	1.26	252.96	13.40	154.00	1689.58
2/27/15 16:44	432.85	2.00	1.26	252.76	13.40	154.17	1689.78
2/27/15 16:44	433.02	2.00	1.28	252.60	13.40	154.33	1689.94
2/27/15 16:44	433.18	2.00	1.28	252.49	13.40	154.50	1690.05
2/27/15 16:44	433.35	2.00	1.28	252.42	13.40	154.67	1690.12
2/27/15 16:44	433.52	2.00	1.28	252.26	13.40	154.83	1690.28
2/27/15 16:45	433.68	2.00	1.28	252.25	13.40	155.00	1690.29
2/27/15 16:45	433.85	2.00	1.28	252.23	13.40	155.17	1690.30
2/27/15 16:45	434.02	2.00	1.28	252.19	13.40	155.33	1690.34
2/27/15 16:45	434.18	2.00	1.28	252.26	13.40	155.50	1690.28
2/27/15 16:45	434.35	2.00	1.28	251.89	13.30	155.67	1690.65
2/27/15 16:45	434.52	2.00	1.28	251.92	13.40	155.83	1690.62
2/27/15 16:46	434.68	2.00	1.28	252.12	13.40	156.00	1690.42
2/27/15 16:46	434.85	2.00	1.28	251.87	13.40	156.17	1690.67
2/27/15 16:46	435.02	2.00	1.28	251.81	13.40	156.33	1690.73
2/27/15 16:46	435.18	2.00	1.28	251.93	13.40	156.50	1690.61
2/27/15 16:46	435.35	2.00	1.28	251.50	13.40	156.67	1691.04
2/27/15 16:46	435.52	2.00	1.28	251.53	13.40	156.83	1691.00
2/27/15 16:47	435.68	2.00	1.28	251.53	13.40	157.00	1691.01
2/27/15 16:47	435.85	2.00	1.28	251.35	13.40	157.17	1691.19
2/27/15 16:47	436.02	2.00	1.28	251.18	13.40	157.33	1691.36
2/27/15 16:47	436.18	2.00	1.31	251.32	13.30	157.50	1691.22
2/27/15 16:47	436.35	1.99	1.31	251.53	13.40	157.67	1691.01
2/27/15 16:47	436.52	2.00	1.31	251.37	13.30	157.83	1691.17
2/27/15 16:48	436.68	2.00	1.31	251.47	13.30	158.00	1691.07
2/27/15 16:48	436.85	2.00	1.31	251.19	13.40	158.17	1691.35

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 16:48	437.02	2.00	1.31	251.14	13.40	158.33	1691.40
2/27/15 16:48	437.18	2.00	1.31	250.90	13.40	158.50	1691.64
2/27/15 16:48	437.35	2.00	1.33	250.87	13.40	158.67	1691.66
2/27/15 16:48	437.52	2.00	1.33	250.66	13.40	158.83	1691.88
2/27/15 16:49	437.68	2.00	1.33	250.62	13.40	159.00	1691.92
2/27/15 16:49	437.85	2.00	1.33	250.49	13.40	159.17	1692.05
2/27/15 16:49	438.02	2.00	1.33	250.39	13.40	159.33	1692.15
2/27/15 16:49	438.18	2.00	1.33	250.43	13.40	159.50	1692.11
2/27/15 16:49	438.35	2.00	1.35	250.30	13.40	159.67	1692.24
2/27/15 16:49	438.52	2.00	1.35	250.05	13.40	159.83	1692.49
2/27/15 16:50	438.68	2.00	1.35	249.97	13.40	160.00	1692.57
2/27/15 16:50	438.85	2.00	1.35	250.11	13.40	160.17	1692.43
2/27/15 16:50	439.02	2.00	1.35	249.77	13.40	160.33	1692.77
2/27/15 16:50	439.18	2.00	1.35	249.91	13.40	160.50	1692.63
2/27/15 16:50	439.35	1.99	1.35	249.77	13.40	160.67	1692.77
2/27/15 16:50	439.52	2.00	1.38	249.94	13.40	160.83	1692.59
2/27/15 16:51	439.68	2.00	1.38	249.77	13.40	161.00	1692.77
2/27/15 16:51	439.85	2.00	1.38	249.66	13.40	161.17	1692.88
2/27/15 16:51	440.02	2.00	1.38	249.50	13.40	161.33	1693.04
2/27/15 16:51	440.18	2.00	1.38	249.32	13.40	161.50	1693.22
2/27/15 16:51	440.35	2.00	1.40	249.17	13.40	161.67	1693.37
2/27/15 16:51	440.52	2.00	1.40	249.06	13.40	161.83	1693.48
2/27/15 16:52	440.68	2.00	1.40	249.19	13.40	162.00	1693.34
2/27/15 16:52	440.85	2.00	1.40	249.16	13.40	162.17	1693.38
2/27/15 16:52	441.02	2.00	1.40	249.16	13.40	162.33	1693.38
2/27/15 16:52	441.18	2.00	1.43	249.27	13.40	162.50	1693.27
2/27/15 16:52	441.35	2.00	1.43	249.28	13.40	162.67	1693.26
2/27/15 16:52	441.52	2.00	1.43	249.19	13.40	162.83	1693.34
2/27/15 16:53	441.68	2.00	1.43	249.35	13.40	163.00	1693.19
2/27/15 16:53	441.85	2.00	1.43	249.13	13.40	163.17	1693.41
2/27/15 16:53	442.02	2.00	1.43	248.92	13.40	163.33	1693.62
2/27/15 16:53	442.18	2.00	1.43	248.85	13.40	163.50	1693.69
2/27/15 16:53	442.35	2.00	1.43	248.70	13.40	163.67	1693.84
2/27/15 16:53	442.52	2.00	1.43	248.57	13.40	163.83	1693.97
2/27/15 16:54	442.68	1.99	1.43	248.54	13.40	164.00	1694.00
2/27/15 16:54	442.85	2.00	1.43	248.38	13.40	164.17	1694.16
2/27/15 16:54	443.02	2.01	1.43	248.30	13.40	164.33	1694.24
2/27/15 16:54	443.18	2.00	1.43	248.22	13.40	164.50	1694.31
2/27/15 16:54	443.35	2.00	1.43	248.15	13.40	164.67	1694.39
2/27/15 16:54	443.52	2.00	1.43	248.08	13.40	164.83	1694.46
2/27/15 16:55	443.68	2.00	1.43	248.12	13.40	165.00	1694.42
2/27/15 16:55	443.85	2.01	1.45	247.93	13.40	165.17	1694.61
2/27/15 16:55	444.02	2.00	1.45	248.01	13.40	165.33	1694.53
2/27/15 16:55	444.18	2.00	1.45	247.77	13.40	165.50	1694.77
2/27/15 16:55	444.35	1.99	1.45	247.57	13.40	165.67	1694.97
2/27/15 16:55	444.52	2.00	1.45	247.51	13.40	165.83	1695.03
2/27/15 16:56	444.68	2.00	1.45	247.54	13.40	166.00	1695.00
2/27/15 16:56	444.85	2.00	1.45	247.64	13.40	166.17	1694.90
2/27/15 16:56	445.02	2.01	1.45	247.57	13.40	166.33	1694.96
2/27/15 16:56	445.18	1.99	1.45	247.30	13.40	166.50	1695.23
2/27/15 16:56	445.35	2.00	1.45	247.23	13.40	166.67	1695.31
2/27/15 16:56	445.52	2.00	1.45	247.36	13.40	166.83	1695.18
2/27/15 16:57	445.68	2.01	1.45	247.20	13.40	167.00	1695.33
2/27/15 16:57	445.85	2.01	1.45	246.90	13.40	167.17	1695.64
2/27/15 16:57	446.02	2.00	1.45	247.05	13.40	167.33	1695.49
2/27/15 16:57	446.18	2.00	1.45	247.20	13.40	167.50	1695.33
2/27/15 16:57	446.35	2.01	1.45	247.08	13.40	167.67	1695.46
2/27/15 16:57	446.52	2.01	1.45	247.09	13.40	167.83	1695.45
2/27/15 16:58	446.68	1.99	1.45	247.12	13.40	168.00	1695.42
2/27/15 16:58	446.85	2.00	1.48	247.05	13.40	168.17	1695.49
2/27/15 16:58	447.02	1.99	1.48	246.80	13.40	168.33	1695.74
2/27/15 16:58	447.18	2.00	1.48	246.92	13.40	168.50	1695.62
2/27/15 16:58	447.35	1.99	1.48	246.73	13.40	168.67	1695.81
2/27/15 16:58	447.52	1.99	1.48	246.58	13.40	168.83	1695.96
2/27/15 16:59	447.68	1.99	1.48	246.58	13.40	169.00	1695.96
2/27/15 16:59	447.85	2.00	1.48	246.35	13.40	169.17	1696.19
2/27/15 16:59	448.02	1.99	1.50	246.23	13.40	169.33	1696.30
2/27/15 16:59	448.18	1.99	1.50	246.11	13.40	169.50	1696.43
2/27/15 16:59	448.35	2.00	1.50	246.19	13.40	169.67	1696.35

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 16:59	448.52	2.00	1.50	245.99	13.40	169.83	1696.55
2/27/15 17:00	448.68	2.00	1.50	246.02	13.40	170.00	1696.52
2/27/15 17:00	448.85	2.01	1.50	245.94	13.40	170.17	1696.60
2/27/15 17:00	449.02	2.01	1.52	245.86	13.40	170.33	1696.68
2/27/15 17:00	449.18	2.01	1.52	245.75	13.40	170.50	1696.79
2/27/15 17:00	449.35	2.00	1.52	245.50	13.40	170.67	1697.03
2/27/15 17:00	449.52	1.99	1.52	245.89	13.40	170.83	1696.65
2/27/15 17:01	449.68	2.01	1.52	245.38	13.40	171.00	1697.16
2/27/15 17:01	449.85	1.99	1.52	245.56	13.40	171.17	1696.98
2/27/15 17:01	450.02	2.00	1.55	245.22	13.40	171.33	1697.32
2/27/15 17:01	450.18	2.01	1.55	245.46	13.40	171.50	1697.08
2/27/15 17:01	450.35	2.01	1.55	245.31	13.40	171.67	1697.23
2/27/15 17:01	450.52	2.00	1.55	245.37	13.40	171.83	1697.17
2/27/15 17:02	450.68	2.00	1.55	245.13	13.40	172.00	1697.41
2/27/15 17:02	450.85	2.00	1.55	245.10	13.40	172.17	1697.44
2/27/15 17:02	451.02	2.00	1.55	244.86	13.40	172.33	1697.67
2/27/15 17:02	451.18	2.00	1.55	244.74	13.40	172.50	1697.80
2/27/15 17:02	451.35	2.00	1.55	244.92	13.40	172.67	1697.62
2/27/15 17:02	451.52	2.00	1.57	244.72	13.40	172.83	1697.81
2/27/15 17:03	451.68	2.00	1.55	244.94	13.40	173.00	1697.60
2/27/15 17:03	451.85	2.00	1.57	244.81	13.40	173.17	1697.72
2/27/15 17:03	452.02	2.00	1.57	244.82	13.40	173.33	1697.72
2/27/15 17:03	452.18	2.00	1.57	244.86	13.40	173.50	1697.68
2/27/15 17:03	452.35	2.00	1.57	244.90	13.40	173.67	1697.64
2/27/15 17:03	452.52	2.00	1.57	244.75	13.40	173.83	1697.79
2/27/15 17:04	452.68	2.00	1.57	244.54	13.40	174.00	1698.00
2/27/15 17:04	452.85	2.00	1.57	244.29	13.40	174.17	1698.25
2/27/15 17:04	453.02	2.00	1.57	244.37	13.50	174.33	1698.17
2/27/15 17:04	453.18	2.00	1.57	244.36	13.40	174.50	1698.18
2/27/15 17:04	453.35	2.00	1.57	244.33	13.40	174.67	1698.21
2/27/15 17:04	453.52	2.00	1.57	244.00	13.40	174.83	1698.53
2/27/15 17:05	453.68	2.00	1.60	243.93	13.40	175.00	1698.61
2/27/15 17:05	453.85	2.00	1.60	243.81	13.40	175.17	1698.73
2/27/15 17:05	454.02	2.01	1.60	243.78	13.40	175.33	1698.76
2/27/15 17:05	454.18	2.00	1.60	243.90	13.40	175.50	1698.63
2/27/15 17:05	454.35	2.01	1.60	243.75	13.40	175.67	1698.79
2/27/15 17:05	454.52	2.00	1.60	243.57	13.40	175.83	1698.97
2/27/15 17:06	454.68	2.00	1.60	243.44	13.40	176.00	1699.10
2/27/15 17:06	454.85	2.00	1.60	243.47	13.40	176.17	1699.07
2/27/15 17:06	455.02	2.00	1.60	243.30	13.40	176.33	1699.24
2/27/15 17:06	455.18	2.00	1.60	243.32	13.40	176.50	1699.22
2/27/15 17:06	455.35	2.00	1.60	243.17	13.40	176.67	1699.37
2/27/15 17:06	455.52	2.00	1.62	243.10	13.40	176.83	1699.44
2/27/15 17:07	455.68	2.00	1.62	243.09	13.40	177.00	1699.45
2/27/15 17:07	455.85	2.01	1.62	243.19	13.40	177.17	1699.35
2/27/15 17:07	456.02	2.00	1.62	243.01	13.40	177.33	1699.53
2/27/15 17:07	456.18	2.00	1.62	242.80	13.50	177.50	1699.74
2/27/15 17:07	456.35	2.00	1.60	242.57	13.40	177.67	1699.97
2/27/15 17:07	456.52	2.00	1.60	242.62	13.40	177.83	1699.92
2/27/15 17:08	456.68	2.00	1.60	242.97	13.40	178.00	1699.57
2/27/15 17:08	456.85	2.00	1.60	242.86	13.40	178.17	1699.67
2/27/15 17:08	457.02	2.00	1.60	242.71	13.40	178.33	1699.83
2/27/15 17:08	457.18	2.00	1.60	242.59	13.40	178.50	1699.94
2/27/15 17:08	457.35	2.00	1.60	242.84	13.40	178.67	1699.70
2/27/15 17:08	457.52	2.00	1.60	242.62	13.40	178.83	1699.92
2/27/15 17:09	457.68	2.00	1.60	242.62	13.40	179.00	1699.92
2/27/15 17:09	457.85	2.00	1.57	242.23	13.40	179.17	1700.30
2/27/15 17:09	458.02	2.01	1.57	242.48	13.40	179.33	1700.06
2/27/15 17:09	458.18	2.00	1.57	242.28	13.40	179.50	1700.26
2/27/15 17:09	458.35	2.01	1.57	242.15	13.40	179.67	1700.39
2/27/15 17:09	458.52	2.01	1.57	242.15	13.40	179.83	1700.39
2/27/15 17:10	458.68	2.00	1.57	241.90	13.40	180.00	1700.64
2/27/15 17:10	458.85	2.00	1.55	242.03	13.50	180.17	1700.51
2/27/15 17:10	459.02	2.00	1.55	241.83	13.40	180.33	1700.71
2/27/15 17:10	459.18	2.01	1.55	241.72	13.40	180.50	1700.82
2/27/15 17:10	459.35	2.00	1.55	241.74	13.50	180.67	1700.80
2/27/15 17:10	459.52	2.00	1.55	241.75	13.40	180.83	1700.79
2/27/15 17:11	459.68	2.00	1.52	241.56	13.40	181.00	1700.98
2/27/15 17:11	459.85	2.00	1.52	241.65	13.40	181.17	1700.89

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 17:11	460.02	2.00	1.52	241.34	13.40	181.33	1701.20
2/27/15 17:11	460.18	2.00	1.52	241.31	13.50	181.50	1701.23
2/27/15 17:11	460.35	2.01	1.52	241.25	13.40	181.67	1701.29
2/27/15 17:11	460.52	2.00	1.50	241.37	13.50	181.83	1701.16
2/27/15 17:12	460.68	2.00	1.50	241.14	13.40	182.00	1701.39
2/27/15 17:12	460.85	2.00	1.50	240.90	13.40	182.17	1701.64
2/27/15 17:12	461.02	2.00	1.50	240.96	13.50	182.33	1701.57
2/27/15 17:12	461.18	2.01	1.48	240.80	13.50	182.50	1701.74
2/27/15 17:12	461.35	2.00	1.48	241.00	13.50	182.67	1701.54
2/27/15 17:12	461.52	2.00	1.48	241.04	13.50	182.83	1701.50
2/27/15 17:13	461.68	2.00	1.48	240.82	13.50	183.00	1701.72
2/27/15 17:13	461.85	2.00	1.48	240.74	13.50	183.17	1701.80
2/27/15 17:13	462.02	2.00	1.48	240.45	13.50	183.33	1702.09
2/27/15 17:13	462.18	2.00	1.45	240.58	13.50	183.50	1701.96
2/27/15 17:13	462.35	2.01	1.45	240.58	13.40	183.67	1701.96
2/27/15 17:13	462.52	2.00	1.45	240.53	13.50	183.83	1702.01
2/27/15 17:14	462.68	2.00	1.45	240.69	13.50	184.00	1701.84
2/27/15 17:14	462.85	2.00	1.45	240.53	13.40	184.17	1702.01
2/27/15 17:14	463.02	2.00	1.45	240.44	13.40	184.33	1702.10
2/27/15 17:14	463.18	2.00	1.45	240.55	13.40	184.50	1701.99
2/27/15 17:14	463.35	2.00	1.43	240.40	13.40	184.67	1702.14
2/27/15 17:14	463.52	2.00	1.43	240.26	13.50	184.83	1702.28
2/27/15 17:15	463.68	2.01	1.43	240.07	13.50	185.00	1702.47
2/27/15 17:15	463.85	2.00	1.43	240.04	13.40	185.17	1702.50
2/27/15 17:15	464.02	2.00	1.43	239.83	13.50	185.33	1702.71
2/27/15 17:15	464.18	2.00	1.43	240.09	13.40	185.50	1702.45
2/27/15 17:15	464.35	2.00	1.43	239.85	13.40	185.67	1702.69
2/27/15 17:15	464.52	2.00	1.40	239.78	13.40	185.83	1702.76
2/27/15 17:16	464.68	2.00	1.40	239.73	13.50	186.00	1702.81
2/27/15 17:16	464.85	2.00	1.40	239.62	13.50	186.17	1702.92
2/27/15 17:16	465.02	2.00	1.40	239.39	13.40	186.33	1703.15
2/27/15 17:16	465.18	2.00	1.40	239.47	13.40	186.50	1703.07
2/27/15 17:16	465.35	2.00	1.40	239.29	13.50	186.67	1703.25
2/27/15 17:16	465.52	2.00	1.40	239.65	13.40	186.83	1702.89
2/27/15 17:17	465.68	2.00	1.40	239.28	13.50	187.00	1703.26
2/27/15 17:17	465.85	2.01	1.40	239.24	13.50	187.17	1703.30
2/27/15 17:17	466.02	2.00	1.40	239.05	13.50	187.33	1703.49
2/27/15 17:17	466.18	2.00	1.40	238.95	13.50	187.50	1703.59
2/27/15 17:17	466.35	2.00	1.40	239.10	13.50	187.67	1703.44
2/27/15 17:17	466.52	2.00	1.40	239.07	13.40	187.83	1703.47
2/27/15 17:18	466.68	2.00	1.40	238.98	13.50	188.00	1703.56
2/27/15 17:18	466.85	2.00	1.40	238.99	13.50	188.17	1703.55
2/27/15 17:18	467.02	2.00	1.40	238.86	13.50	188.33	1703.67
2/27/15 17:18	467.18	2.00	1.40	238.56	13.50	188.50	1703.98
2/27/15 17:18	467.35	2.00	1.40	238.79	13.40	188.67	1703.75
2/27/15 17:18	467.52	2.00	1.40	238.63	13.40	188.83	1703.91
2/27/15 17:19	467.68	2.00	1.40	238.63	13.50	189.00	1703.90
2/27/15 17:19	467.85	2.00	1.40	238.45	13.50	189.17	1704.09
2/27/15 17:19	468.02	2.00	1.40	238.57	13.50	189.33	1703.97
2/27/15 17:19	468.18	2.00	1.40	238.31	13.50	189.50	1704.23
2/27/15 17:19	468.35	2.00	1.40	238.21	13.50	189.67	1704.33
2/27/15 17:19	468.52	2.00	1.40	238.39	13.50	189.83	1704.15
2/27/15 17:20	468.68	2.01	1.40	238.53	13.50	190.00	1704.01
2/27/15 17:20	468.85	2.00	1.40	238.40	13.50	190.17	1704.14
2/27/15 17:20	469.02	2.01	1.40	238.17	13.50	190.33	1704.37
2/27/15 17:20	469.18	2.00	1.40	238.19	13.50	190.50	1704.35
2/27/15 17:20	469.35	2.00	1.40	238.22	13.50	190.67	1704.32
2/27/15 17:20	469.52	2.00	1.40	238.02	13.50	190.83	1704.52
2/27/15 17:21	469.68	2.00	1.40	237.78	13.50	191.00	1704.76
2/27/15 17:21	469.85	2.00	1.40	237.77	13.50	191.17	1704.77
2/27/15 17:21	470.02	2.00	1.40	237.81	13.50	191.33	1704.73
2/27/15 17:21	470.18	2.00	1.40	237.78	13.50	191.50	1704.76
2/27/15 17:21	470.35	2.00	1.40	237.63	13.50	191.67	1704.91
2/27/15 17:21	470.52	2.00	1.43	237.52	13.50	191.83	1705.01
2/27/15 17:22	470.68	2.00	1.43	237.24	13.50	192.00	1705.30
2/27/15 17:22	470.85	2.00	1.43	237.33	13.40	192.17	1705.21
2/27/15 17:22	471.02	2.00	1.43	237.21	13.40	192.33	1705.33
2/27/15 17:22	471.18	2.00	1.43	237.30	13.50	192.50	1705.24
2/27/15 17:22	471.35	2.00	1.43	237.30	13.50	192.67	1705.23

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 17:22	471.52	2.00	1.43	237.10	13.50	192.83	1705.44
2/27/15 17:23	471.68	2.00	1.43	237.20	13.50	193.00	1705.34
2/27/15 17:23	471.85	2.01	1.43	237.02	13.50	193.17	1705.52
2/27/15 17:23	472.02	2.00	1.43	236.65	13.50	193.33	1705.89
2/27/15 17:23	472.18	2.00	1.45	236.93	13.50	193.50	1705.61
2/27/15 17:23	472.35	2.00	1.45	236.74	13.50	193.67	1705.80
2/27/15 17:23	472.52	2.00	1.45	236.70	13.50	193.83	1705.84
2/27/15 17:24	472.68	2.00	1.45	236.78	13.50	194.00	1705.76
2/27/15 17:24	472.85	2.00	1.45	236.68	13.40	194.17	1705.85
2/27/15 17:24	473.02	2.00	1.45	236.66	13.50	194.33	1705.88
2/27/15 17:24	473.18	2.00	1.45	236.72	13.50	194.50	1705.82
2/27/15 17:24	473.35	2.00	1.45	236.49	13.50	194.67	1706.05
2/27/15 17:24	473.52	2.01	1.45	236.33	13.50	194.83	1706.21
2/27/15 17:25	473.68	2.00	1.45	235.96	13.50	195.00	1706.58
2/27/15 17:25	473.85	2.00	1.45	236.20	13.50	195.17	1706.34
2/27/15 17:25	474.02	2.00	1.45	236.13	13.50	195.33	1706.41
2/27/15 17:25	474.18	2.00	1.45	236.30	13.50	195.50	1706.24
2/27/15 17:25	474.35	2.01	1.45	236.08	13.50	195.67	1706.46
2/27/15 17:25	474.52	2.01	1.45	236.09	13.50	195.83	1706.45
2/27/15 17:26	474.68	2.01	1.45	236.01	13.50	196.00	1706.53
2/27/15 17:26	474.85	2.00	1.45	235.96	13.50	196.17	1706.58
2/27/15 17:26	475.02	2.00	1.45	236.01	13.50	196.33	1706.53
2/27/15 17:26	475.18	2.00	1.45	236.14	13.50	196.50	1706.39
2/27/15 17:26	475.35	2.00	1.45	236.19	13.50	196.67	1706.35
2/27/15 17:26	475.52	2.00	1.45	235.81	13.40	196.83	1706.73
2/27/15 17:27	475.68	2.00	1.45	235.44	13.50	197.00	1707.09
2/27/15 17:27	475.85	2.00	1.45	235.66	13.50	197.17	1706.88
2/27/15 17:27	476.02	2.00	1.45	235.59	13.50	197.33	1706.95
2/27/15 17:27	476.18	2.00	1.45	235.46	13.50	197.50	1707.08
2/27/15 17:27	476.35	2.00	1.45	235.35	13.50	197.67	1707.19
2/27/15 17:27	476.52	2.00	1.45	235.31	13.50	197.83	1707.23
2/27/15 17:28	476.68	2.00	1.45	235.24	13.50	198.00	1707.30
2/27/15 17:28	476.85	2.00	1.45	235.17	13.50	198.17	1707.37
2/27/15 17:28	477.02	2.00	1.45	235.21	13.50	198.33	1707.33
2/27/15 17:28	477.18	2.00	1.45	235.05	13.50	198.50	1707.48
2/27/15 17:28	477.35	2.00	1.45	235.11	13.50	198.67	1707.43
2/27/15 17:28	477.52	2.00	1.45	235.06	13.50	198.83	1707.48
2/27/15 17:29	477.68	2.00	1.45	235.02	13.50	199.00	1707.52
2/27/15 17:29	477.85	2.00	1.45	234.93	13.50	199.17	1707.61
2/27/15 17:29	478.02	2.01	1.45	234.90	13.50	199.33	1707.64
2/27/15 17:29	478.18	2.01	1.45	234.78	13.50	199.50	1707.75
2/27/15 17:29	478.35	2.00	1.48	234.73	13.50	199.67	1707.81
2/27/15 17:29	478.52	2.00	1.45	234.64	13.50	199.83	1707.90
2/27/15 17:30	478.68	2.00	1.48	234.65	13.50	200.00	1707.88
2/27/15 17:30	478.85	2.00	1.48	234.42	13.50	200.17	1708.12
2/27/15 17:30	479.02	2.01	1.48	234.23	13.50	200.33	1708.31
2/27/15 17:30	479.18	2.00	1.48	234.47	13.50	200.50	1708.07
2/27/15 17:30	479.35	2.00	1.48	234.41	13.50	200.67	1708.13
2/27/15 17:30	479.52	2.00	1.48	234.36	13.50	200.83	1708.18
2/27/15 17:31	479.68	2.00	1.48	234.41	13.50	201.00	1708.13
2/27/15 17:31	479.85	2.00	1.48	234.06	13.50	201.17	1708.48
2/27/15 17:31	480.02	2.00	1.48	234.29	13.50	201.33	1708.25
2/27/15 17:31	480.18	2.00	1.48	234.10	13.50	201.50	1708.44
2/27/15 17:31	480.35	2.00	1.48	233.89	13.50	201.67	1708.65
2/27/15 17:31	480.52	2.00	1.48	233.84	13.50	201.83	1708.70
2/27/15 17:32	480.68	2.00	1.48	233.80	13.50	202.00	1708.74
2/27/15 17:32	480.85	2.00	1.48	233.69	13.50	202.17	1708.85
2/27/15 17:32	481.02	2.00	1.48	233.81	13.50	202.33	1708.73
2/27/15 17:32	481.18	2.01	1.48	233.67	13.50	202.50	1708.87
2/27/15 17:32	481.35	2.00	1.48	233.79	13.50	202.67	1708.75
2/27/15 17:32	481.52	2.00	1.48	233.76	13.50	202.83	1708.78
2/27/15 17:33	481.68	2.00	1.48	233.63	13.50	203.00	1708.91
2/27/15 17:33	481.85	2.00	1.48	233.32	13.50	203.17	1709.22
2/27/15 17:33	482.02	2.01	1.48	233.58	13.50	203.33	1708.96
2/27/15 17:33	482.18	2.01	1.48	233.54	13.50	203.50	1709.00
2/27/15 17:33	482.35	2.01	1.48	233.26	13.50	203.67	1709.28
2/27/15 17:33	482.52	2.00	1.48	233.23	13.50	203.83	1709.31
2/27/15 17:34	482.68	2.00	1.48	233.19	13.50	204.00	1709.35
2/27/15 17:34	482.85	2.00	1.48	233.28	13.50	204.17	1709.26

Appendix 5.2, CPC14-3 Falling Head Test 2268 to 4368 ft MD bgs, 27 February 2015

2/27/15 17:34	483.02	1.99	1.48	233.12	13.60	204.33	1709.42
2/27/15 17:34	483.18	2.01	1.48	233.23	13.50	204.50	1709.31
2/27/15 17:34	483.35	2.00	1.48	233.02	13.50	204.67	1709.52
2/27/15 17:34	483.52	2.00	1.48	232.88	13.50	204.83	1709.66
2/27/15 17:35	483.68	2.00	1.48	232.90	13.50	205.00	1709.63
2/27/15 17:35	483.85	1.99	1.48	232.59	13.50	205.17	1709.95
2/27/15 17:35	484.02	2.00	1.48	232.53	13.50	205.33	1710.01
2/27/15 17:35	484.18	2.00	1.48	232.77	13.50	205.50	1709.76
2/27/15 17:35	484.35	2.01	1.48	232.66	13.50	205.67	1709.88
2/27/15 17:35	484.52	2.00	1.48	232.34	13.50	205.83	1710.20
2/27/15 17:36	484.68	1.99	1.48	232.58	13.50	206.00	1709.96
2/27/15 17:36	484.85	2.01	1.48	232.50	13.50	206.17	1710.04
2/27/15 17:36	485.02	2.01	1.48	232.57	13.50	206.33	1709.97
2/27/15 17:36	485.18	2.00	1.48	232.31	13.50	206.50	1710.23
2/27/15 17:36	485.35	1.99	1.50	232.49	13.50	206.67	1710.05
2/27/15 17:36	485.52	2.01	1.50	232.29	13.50	206.83	1710.24
2/27/15 17:37	485.68	1.99	1.50	232.31	13.50	207.00	1710.23
2/27/15 17:37	485.85	2.00	1.50	232.16	13.60	207.17	1710.37
2/27/15 17:37	486.02	2.01	1.50	232.14	13.50	207.33	1710.40
2/27/15 17:37	486.18	2.00	1.50	231.98	13.50	207.50	1710.56
2/27/15 17:37	486.35	2.01	1.50	231.89	13.50	207.67	1710.65
2/27/15 17:37	486.52	1.99	1.50	231.76	13.50	207.83	1710.78
2/27/15 17:38	486.68	2.01	1.50	231.83	13.50	208.00	1710.71
2/27/15 17:38	486.85	1.99	1.50	231.80	13.50	208.17	1710.74
2/27/15 17:38	487.02	1.99	1.50	231.67	13.50	208.33	1710.87
2/27/15 17:38	487.18	2.00	1.50	231.70	13.50	208.50	1710.84
2/27/15 17:38	487.35	2.01	1.50	231.59	13.50	208.67	1710.95
2/27/15 17:38	487.52	2.00	1.48	231.64	13.50	208.83	1710.89
2/27/15 17:39	487.68	1.99	1.48	231.60	13.50	209.00	1710.93
2/27/15 17:39	487.85	2.00	1.48	231.30	13.50	209.17	1711.24
2/27/15 17:39	488.02	2.00	1.48	231.25	13.50	209.33	1711.29
2/27/15 17:39	488.18	2.00	1.48	231.13	13.50	209.50	1711.41
2/27/15 17:39	488.35	2.00	1.48	231.19	13.50	209.67	1711.35
2/27/15 17:39	488.52	2.01	1.48	231.25	13.50	209.83	1711.29
2/27/15 17:40	488.68	2.00	1.45	231.27	13.50	210.00	1711.27
2/27/15 17:40	488.85	2.00	1.45	231.00	13.50	210.17	1711.54
2/27/15 17:40	489.02	2.00	1.45	230.96	13.50	210.33	1711.58
2/27/15 17:40	489.18	1.99	1.45	230.80	13.60	210.50	1711.74
2/27/15 17:40	489.35	2.01	1.43	230.75	13.50	210.67	1711.79
2/27/15 17:40	489.52	1.99	1.43	230.72	13.50	210.83	1711.82
2/27/15 17:41	489.68	1.99	1.43	230.68	13.50	211.00	1711.85
2/27/15 17:41	489.85	2.00	1.40	230.59	13.50	211.17	1711.95
2/27/15 17:41	490.02	2.01	1.40	230.46	13.50	211.33	1712.08
2/27/15 17:41	490.18	2.00	1.40	230.41	13.50	211.50	1712.13
2/27/15 17:41	490.35	2.01	1.38	230.51	13.50	211.67	1712.02
2/27/15 17:41	490.52	2.00	1.38	230.22	13.50	211.83	1712.32
2/27/15 17:42	490.68	2.01	1.38	230.28	13.50	212.00	1712.26
2/27/15 17:42	490.85	2.00	1.35	230.33	13.50	212.17	1712.21
2/27/15 17:42	491.02	2.01	1.35	230.08	13.50	212.33	1712.45
2/27/15 17:42	491.18	2.00	1.35	230.12	13.50	212.50	1712.41
2/27/15 17:42	491.35	1.99	1.33	229.93	13.60	212.67	1712.61
2/27/15 17:42	491.52	2.00	1.33	230.24	13.50	212.83	1712.30
2/27/15 17:43	491.68	2.01	1.33	229.95	13.50	213.00	1712.58
2/27/15 17:43	491.85	1.99	1.33	229.96	13.50	213.17	1712.58
2/27/15 17:43	492.02	2.00	1.31	229.89	13.60	213.33	1712.65
2/27/15 17:43	492.18	1.99	1.31	229.59	13.60	213.50	1712.95
2/27/15 17:43	492.35	2.01	1.31	229.40	13.50	213.67	1713.14
2/27/15 17:43	492.52	2.01	1.31	229.49	13.60	213.83	1713.05
2/27/15 17:44	492.68	1.99	1.28	229.48	13.50	214.00	1713.06
2/27/15 17:44	492.85	1.99	1.28	229.45	13.50	214.17	1713.09
2/27/15 17:44	493.02	2.00	1.28	229.49	13.60	214.33	1713.05
2/27/15 17:44	493.18	2.00	1.28	229.31	13.60	214.50	1713.23
2/27/15 17:44	493.35	2.01	1.26	229.36	13.50	214.67	1713.18
2/27/15 17:44	493.52	2.00	1.26	229.26	13.60	214.83	1713.27
2/27/15 17:45	493.68	2.00	1.26	229.26	13.50	215.00	1713.27
2/27/15 17:45	493.85	2.01	1.23	229.34	13.50	215.17	1713.19
Sensor install length (top of rods)				2246.8	Bit length	2268	Injection start: 13:09:00
Sensor install length (BGL)				2243	Hole Length	4368	Injection End: 14:10:00
Approx dip of hole				60			Total Volume Injected 225

Sensor install vertical depth	1943		

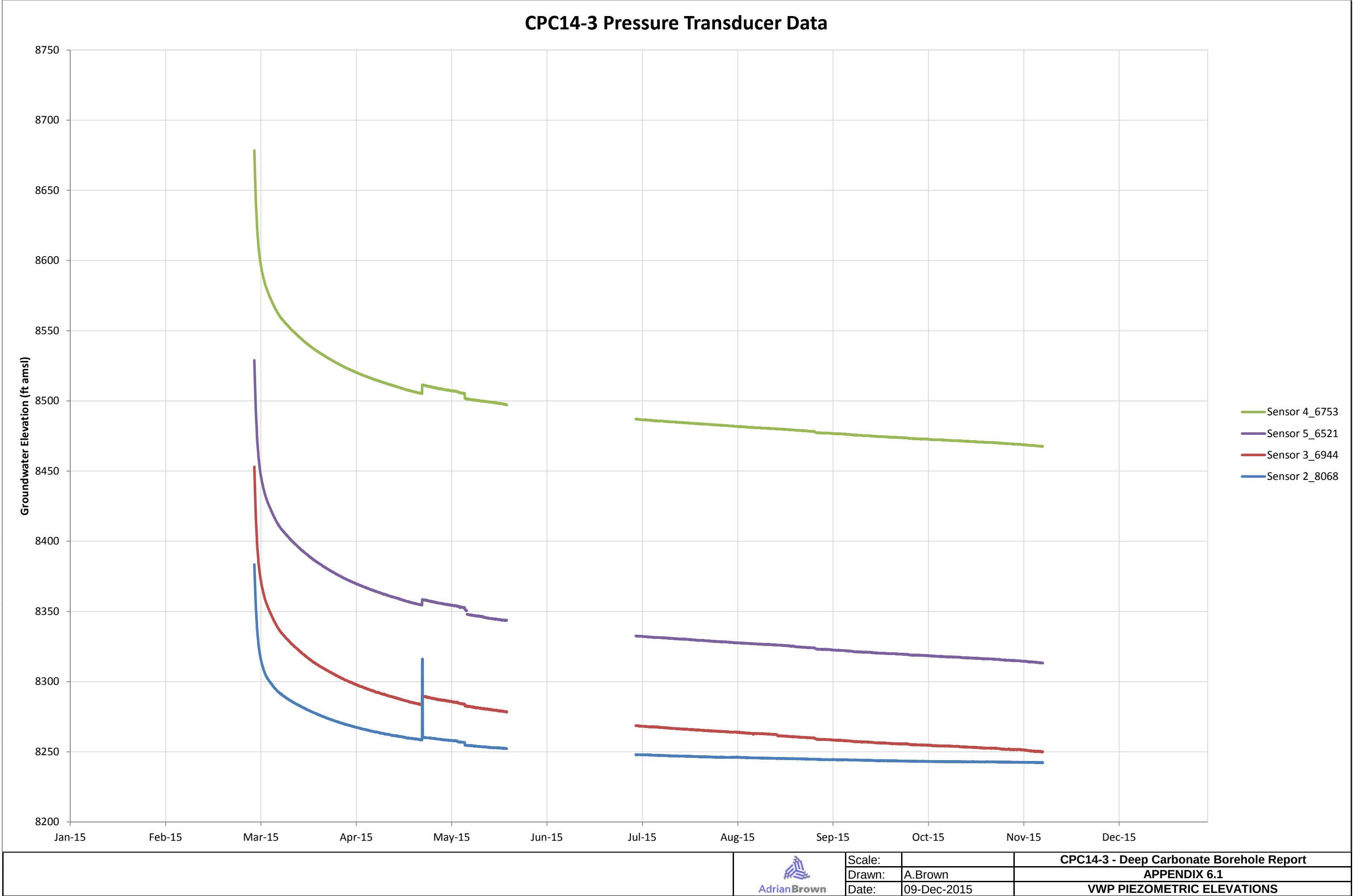
APPENDIX 6

CPC14-3 - VIBRATING WIRE PIEZOMETERS

APPENDIX 6.1

CPC14-3 - VIBRATING WIRE PIEZOMETERS PLOT

CPC14-3 Pressure Transducer Data



G:\Dropbox (ABC)\AB PROJECTS\1385_CCAV\UG15_Projects\1_Phase 1_CPC14-3\6_Report\0_Workbook\CPC14-03_25-Final.Xls\A6.1_VWP

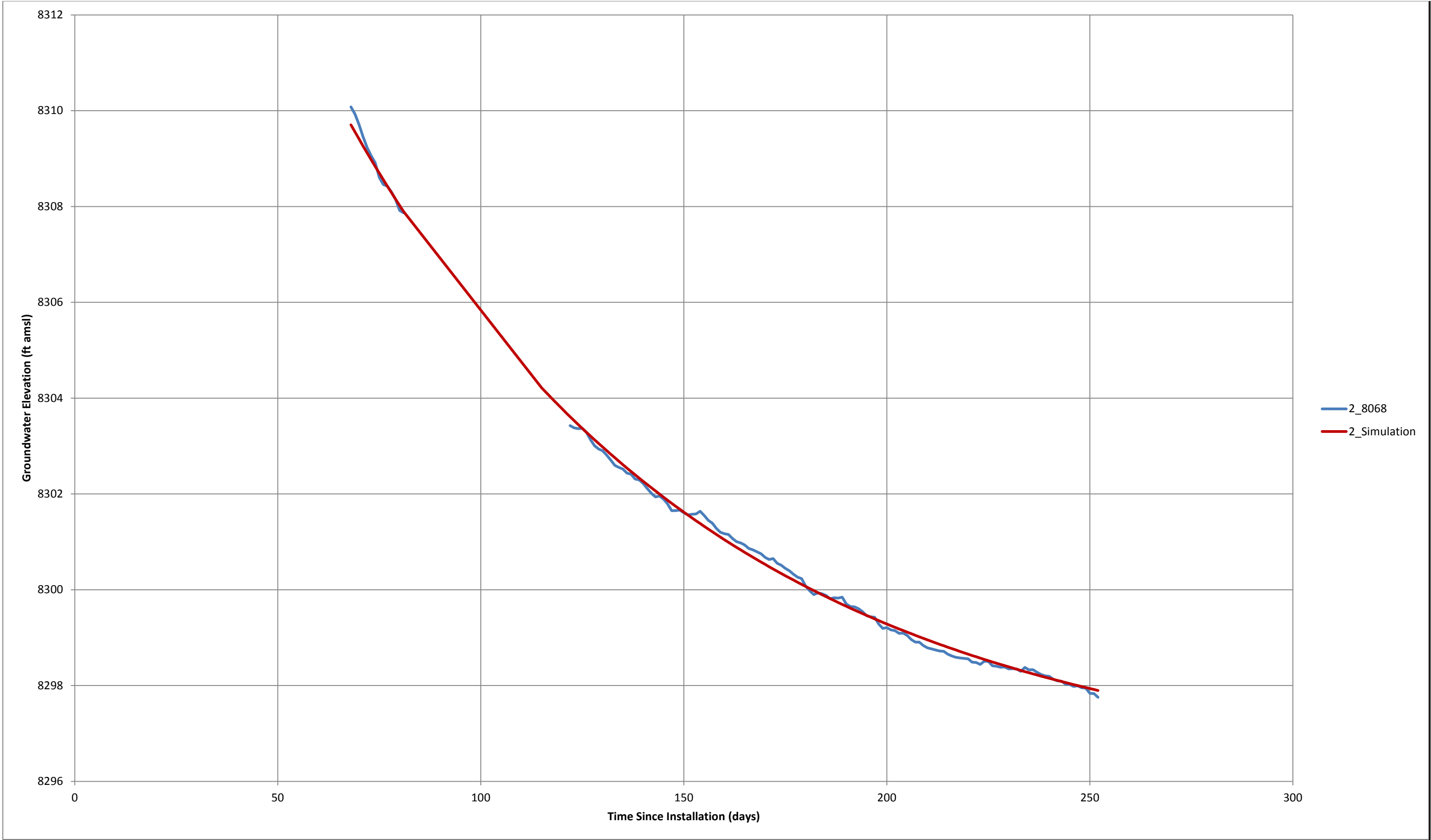


Scale:		CPC14-3 - Deep Carbonate Borehole Report
Drawn:	A.Brown	APPENDIX 6.1
Date:	09-Dec-2015	VWP PIEZOMETRIC ELEVATIONS

APPENDIX 6.2

CPC14-3 - PIEZO 2 EQUILIBRATION

G:\Dropbox (ABC)\AB PROJECTS\1385_CCAV-UG15_Projects\1_Phase 1\CPC14-3\6_Report\0_Workbook\CPC14-03_25-Final.xlsx\AG.2_Piez2

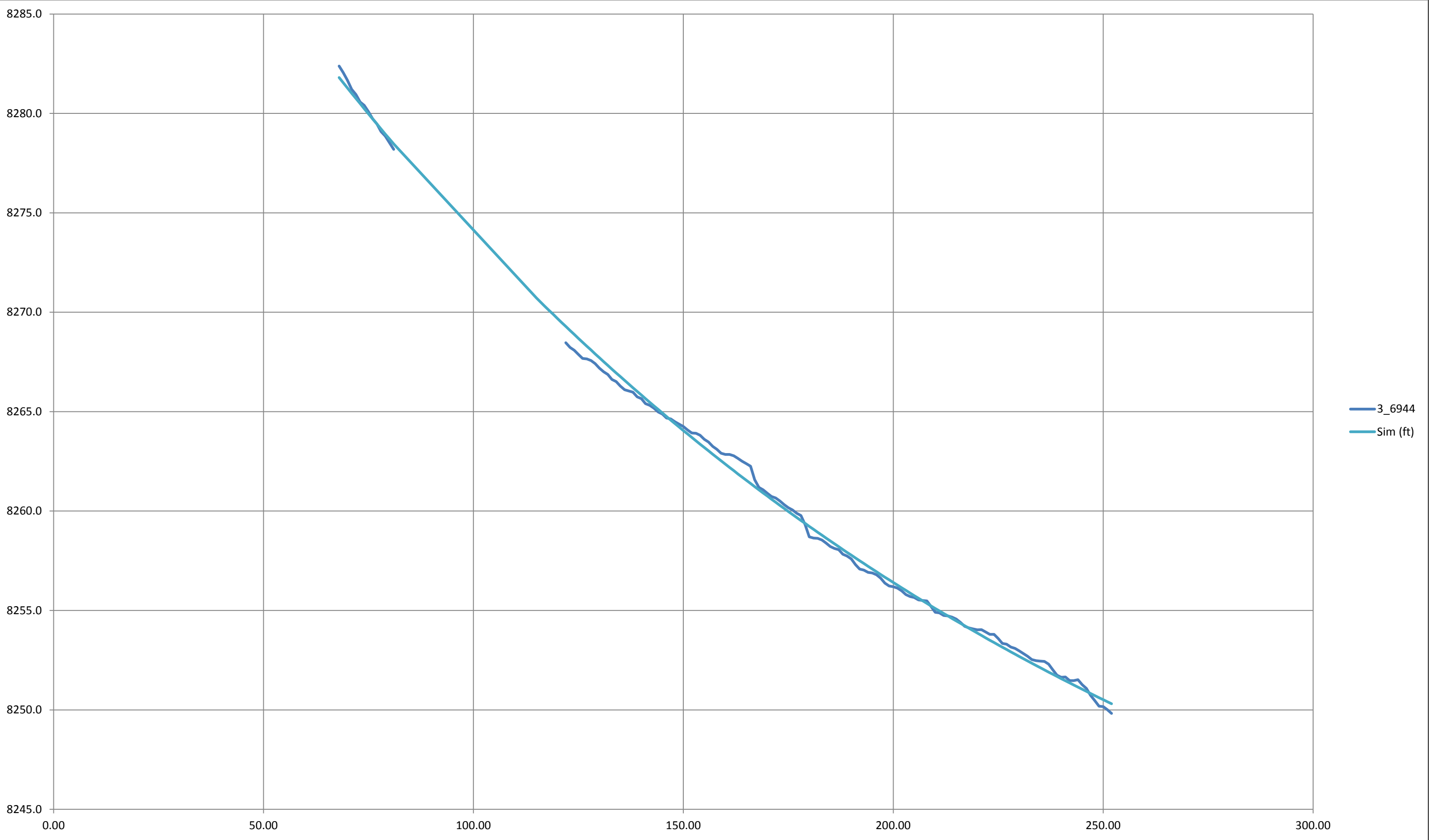


EXPONENTIAL BEST FIT			 CPC14-3 - Deep Carbonate Borehole Report APPENDIX 6.2 STATIC HEAD EVALUATION - VWP 2_8068
Initial Head	Eo	8324.842 ft amsl	
Static Head	Einf	8296.1 ft amsl	
Exponent	Alpha	-0.011 /min	
Average Error	Err	0.000 ft	
RMS Error	RMS Err	0.117 ft	
			Scale:
			Drawn: A.Brown
			Date: 09-Dec-2015

APPENDIX 6.3

CPC14-3 - PIEZO 3 EQUILIBRATION

G:\Dropbox (ABC)\AB PROJECTS\1386_CCAV\UG5_Projects\1_Phase_L_CPC14-3\6_Report\0_Workbook\1_CPC14-03_25-Final.xlsx\A6.3_Piez03



EXPONENTIAL BEST FIT

Initial Head	Eo	8303.500	ft amsl
Static Head	Einf	8230.7	ft amsl
Exponent	Alpha	-0.0052	/min
Average Error	Err	0.000	ft
RMS Error	RMS Err	0.352	ft

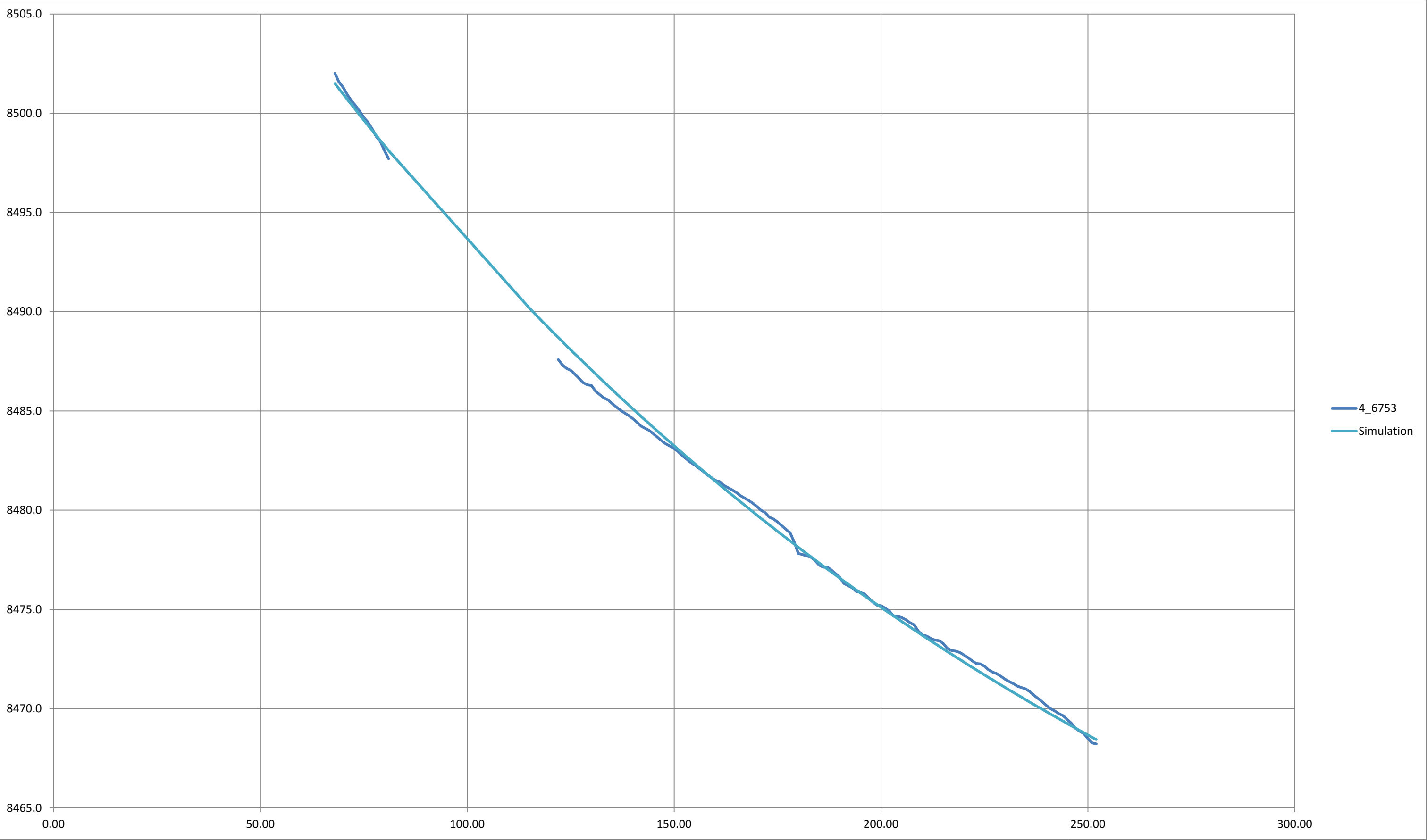


Scale:	
Drawn:	A.Brown
Date:	09-Dec-2015
CPC14-3 - Deep Carbonate Borehole Report	
APPENDIX 6.3	
STATIC HEAD EVALUATION - VWP 3_6944	

APPENDIX 6.4

CPC14-3 - PIEZO 4 EQUILIBRATION

G:\Dropbox (ABC)\AB PROJECTS\1386_CCAV\UG5_Projects\1_Phase_L_CPC14-3\6_Report\0_Workbook\1_CPC14-03_25-Final.xlsx\A6.4_Piez04



EXPONENTIAL BEST FIT

Initial Head	Eo	8523.000	ft amsl
Static Head	Einf	8444.4	ft amsl
Exponent	Alpha	-0.0047	/min
Average Error	Err	0.000	ft
RMS Error	RMS Err	0.412	ft

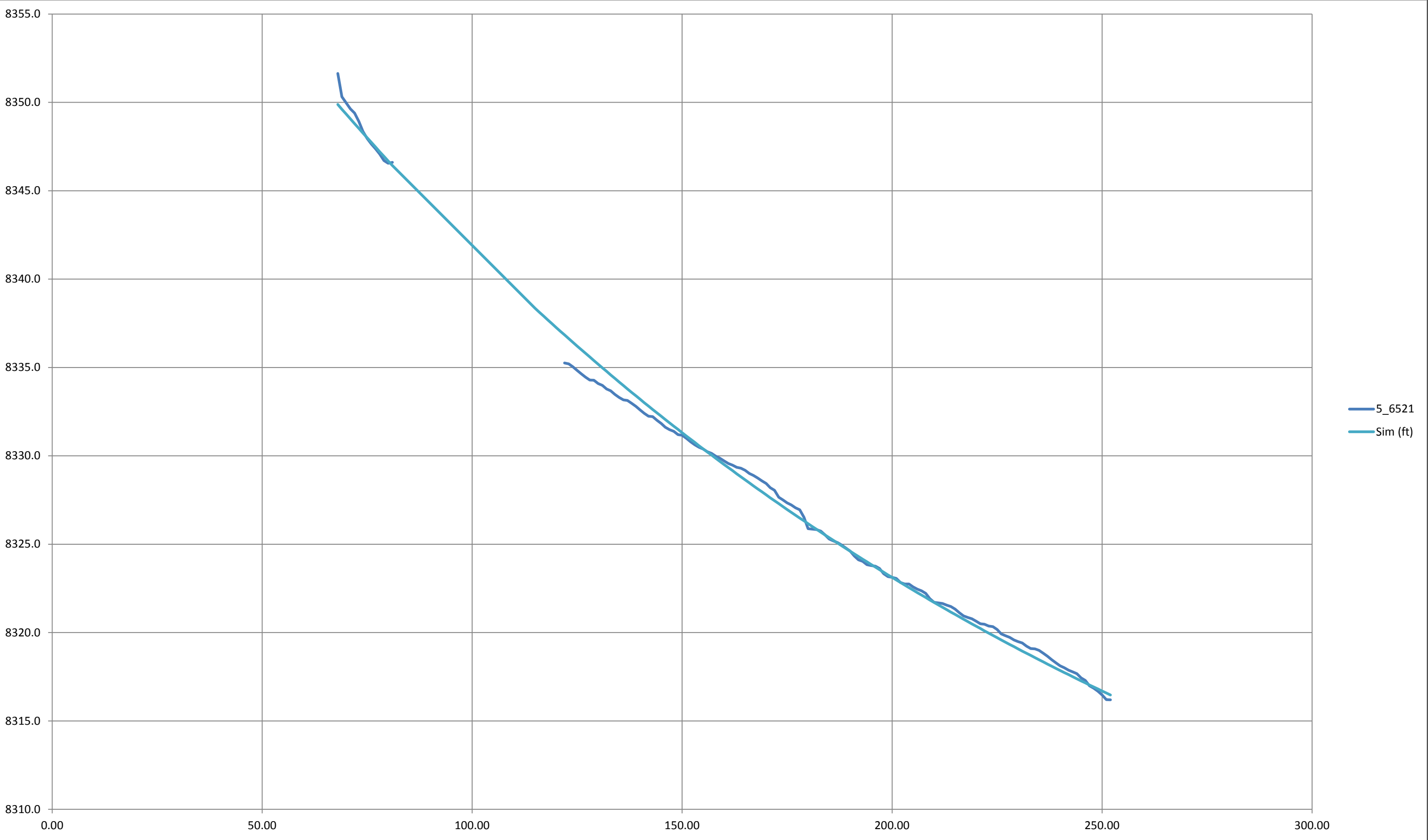


Scale:	
Drawn:	A.Brown
Date:	09-Dec-2015
CPC14-3 - Deep Carbonate Borehole Report	
APPENDIX 6.4	
STATIC HEAD EVALUATION - VWP 4_6753	

APPENDIX 6.5

CPC14-3 - PIEZO 5 EQUILIBRATION

G:\Dropbox (ABC)\AB PROJECTS\1386_CCAV\UG5_Projects\1_Phasa_L_CPC14-3\6_Report\0_Workbook\CPC14-03_25-Final.xlsx\A6.5_Piez05



EXPONENTIAL BEST FIT

Initial Head	Eo	8372.000	ft amsl
Static Head	Einf	8293.3	ft amsl
Exponent	Alpha	-0.00485	/min
Average Error	Err	0.000	ft
RMS Error	RMS Err	0.520	ft

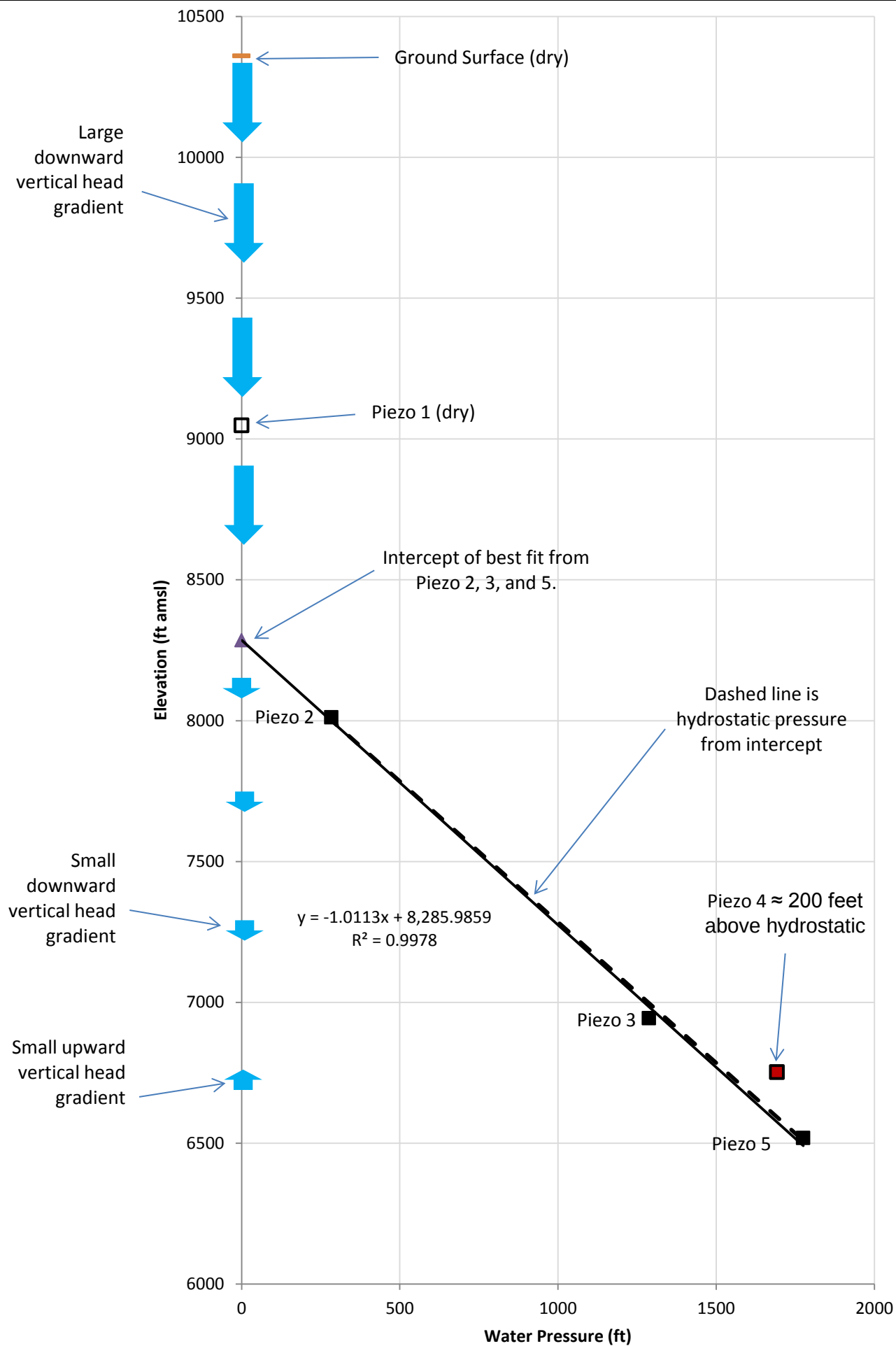


Scale:	
Drawn:	A.Brown
Date:	09-Dec-2015
CPC14-3 - Deep Carbonate Borehole Report	
APPENDIX 6.5	
STATIC HEAD EVALUATION - VWP 5_6521	

APPENDIX 6.6

CPC14-3 - WATER TABLE

G:\Dropbox (ABC)\AB PROJECTS\1386 - CC&V-UGIS - Project\1 - Phase I - CPC14-3\10 - Report\10 - Workbook\CPC14-03_2b-Final.xls\A6.6 - Water Table



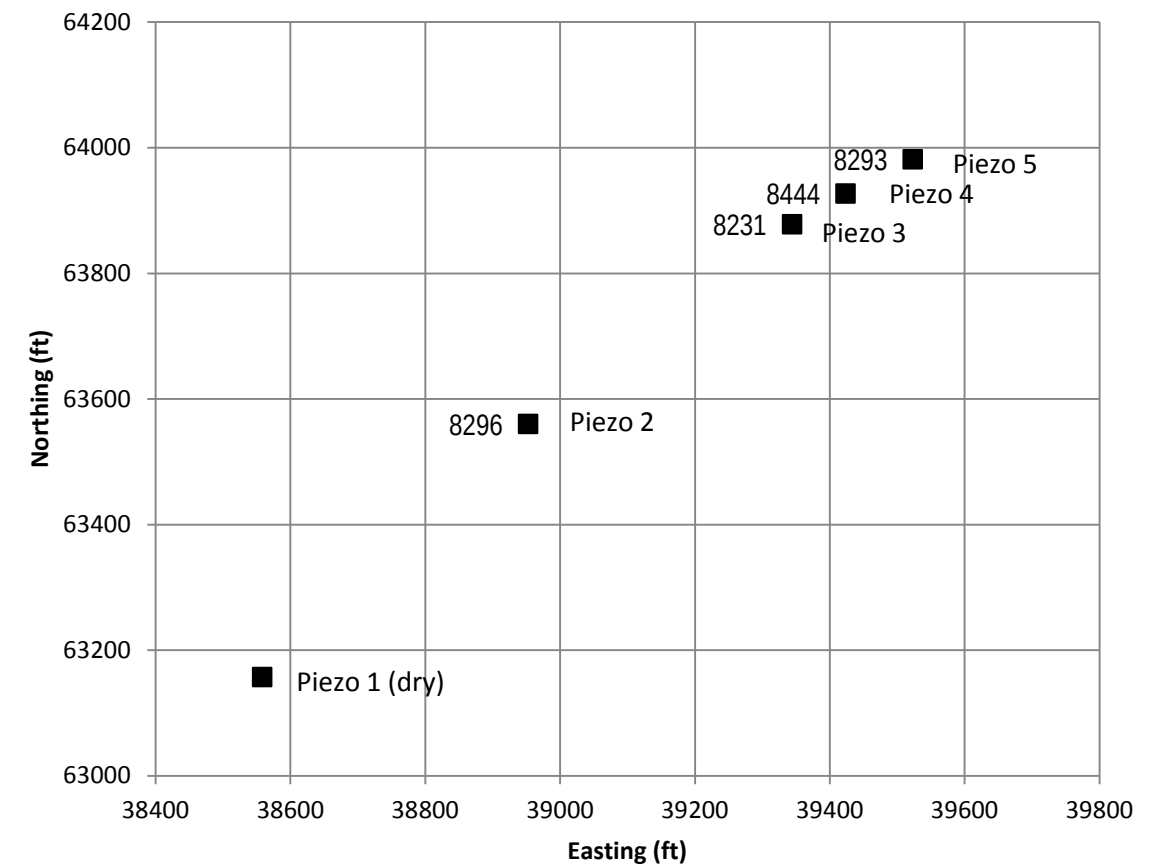
PIEZOMETER LOCATIONS

Location	Depth (ft)	X (ft)	Y (ft)	Z (ft)
Sensor 1	1466	38558	63157	9049
Sensor 2	2646	38953	63560	8012
Sensor 3	3828	39344	63878	6944
Sensor 4	4041	39423	63927	6752
Sensor 5	4301	39523	63982	6518
WTE	2341	38855	63464	8285

WATER PRESSURE AND ELEVATIONS

Location/Elevation	Depth (ft)	X (ft)	Y (ft)	Z (ft)	WLE (ft)	WLP (ft)	Static (ft)
Sensor 1_9058	1466	38558	63157	9049	Dry	Dry	Dry
Sensor 2_8068	2646	38953	63560	8012	8296	284	273
Sensor 3_6944	3828	39344	63878	6944	8231	1287	1341
Sensor 4_6753	4041	39423	63927	6752	8444	1692	1533
Sensor 5_6521	4301	39523	63982	6518	8293	1775	1767

WATER LEVEL ELEVATION PLAN



	Scale:
	Drawn: A.Brown
	Date: 09-Dec-2015
CPC14-3 - Deep Carbonate Borehole Report	
APPENDIX 6.6	
CPC14-3 - WATER TABLE	

APPENDIX 6.7

CPC14-3 - VWP DATA

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	03-02 17:50	3.22	8.03	-1.194	371.147	1509.471	1926.332	2010.618	10.6	19.7	21.7	22.4	22.6	DRY	8383.42	8453.10	8678.44	8528.90
CPC14-3	03-02 18:00	3.13	8.06	-1.387	370.746	1508.858	1925.819	2010.01	10.6	19.7	21.8	22.5	22.7	DRY	8383.02	8452.49	8677.93	8528.29
CPC14-3	03-03 00:00	3.08	-5.27	-1.51	353.061	1487.995	1905.011	1989.055	10.7	19.6	21.7	22.3	22.7	DRY	8365.34	8431.62	8657.12	8507.34
CPC14-3	03-03 06:00	3.06	-9.13	0.063	340.016	1471.971	1889.128	1973.195	10.8	19.7	21.8	22.6	23.1	42066	8352.29	8415.60	8641.24	8491.48
CPC14-3	03-03 10:57	3.23	11.2	-0.601	331.387	1462.089	1878.897	1962.807	10.8	19.8	21.8	22.5	22.7	DRY	8343.66	8405.72	8631.01	8481.09
CPC14-3	03-03 11:00	3.1	10.32	-0.611	331.331	1461.884	1878.82	1962.906	10.8	19.8	21.8	22.1	22.9	DRY	8343.61	8405.51	8630.93	8481.19
CPC14-3	03-03 12:00	3.1	10.49	-0.601	329.973	1460.208	1877.113	1960.992	10.8	19.7	21.7	22.3	22.7	DRY	8342.25	8403.84	8629.23	8479.27
CPC14-3	03-03 13:00	3.23	10.04	-0.649	328.46	1458.543	1875.313	1959.458	10.8	19.7	21.8	22.1	22.8	DRY	8340.74	8402.17	8627.43	8477.74
CPC14-3	03-03 14:00	3.1	4.03	-0.808	326.867	1456.788	1873.671	1957.698	10.8	19.8	21.7	22.3	23	DRY	8339.14	8400.42	8625.78	8475.98
CPC14-3	03-03 15:00	3.11	1.94	-0.826	325.753	1455.271	1871.904	1955.821	10.9	19.8	21.7	22.2	22.7	DRY	8338.03	8398.90	8624.02	8474.10
CPC14-3	03-03 16:00	3.1	-0.13	-0.662	324.288	1453.68	1870.389	1954.23	10.9	19.8	21.7	22.2	22.7	DRY	8336.56	8397.31	8622.50	8472.51
CPC14-3	03-03 17:00	3.1	-3.1	-0.902	323.203	1452.134	1868.981	1952.899	10.9	19.7	21.7	22.6	23.1	DRY	8335.48	8395.76	8621.09	8471.18
CPC14-3	03-03 18:00	3.1	-6.05	-0.963	322.069	1450.633	1867.557	1951.46	10.9	19.7	21.7	22.6	22.9	DRY	8334.35	8394.26	8619.67	8469.74
CPC14-3	03-03 19:00	3.08	-7.72	-0.681	320.837	1449.442	1866.099	1950.032	10.9	19.8	21.7	22.6	22.6	DRY	8333.11	8393.07	8618.21	8468.31
CPC14-3	03-03 20:00	3.08	-8.61	-0.954	319.786	1448.191	1864.806	1948.616	10.9	19.9	21.8	22.5	22.6	DRY	8332.06	8391.82	8616.92	8466.90
CPC14-3	03-03 21:00	3.08	-9.29	-0.837	318.613	1447.044	1863.454	1947.523	10.9	19.8	21.7	22.5	22.7	DRY	8330.89	8390.67	8615.57	8465.80
CPC14-3	03-03 22:00	3.09	-10.15	-0.855	317.884	1445.707	1862.353	1946.296	10.9	19.8	21.7	22.5	22.6	DRY	8330.16	8389.34	8614.47	8464.58
CPC14-3	03-03 23:00	3.07	-10.74	-0.902	316.791	1444.575	1861.085	1945.153	10.9	19.8	21.8	22.2	22.9	DRY	8329.07	8388.20	8613.20	8463.43
CPC14-3	03-04 00:00	3.09	-10.85	-0.864	315.807	1443.363	1859.872	1943.934	10.9	19.7	21.7	22.2	23	DRY	8328.08	8386.99	8611.98	8462.21
CPC14-3	03-04 01:00	3.08	-11.1	-0.879	315.195	1442.264	1858.958	1942.966	10.9	19.7	21.7	22.2	23.1	DRY	8327.47	8385.89	8611.07	8461.25
CPC14-3	03-04 02:00	3.08	-11.4	-0.864	314.238	1441.176	1857.882	1941.797	10.9	19.9	21.7	22.3	22.6	DRY	8326.51	8384.80	8609.99	8460.08
CPC14-3	03-04 03:00	3.09	-11.6	-0.78	313.245	1440.355	1856.971	1940.841	10.9	19.8	21.7	22.5	22.8	DRY	8325.52	8383.98	8609.08	8459.12
CPC14-3	03-04 04:00	3.08	-11.68	-0.884	312.561	1439.367	1855.885	1939.878	11	19.7	21.7	22.2	23	DRY	8324.84	8383.00	8608.00	8458.16
CPC14-3	03-04 05:00	3.08	-11.52	-0.775	311.882	1438.503	1855.036	1939.073	11	19.8	21.7	22.5	22.8	DRY	8324.16	8382.13	8607.15	8457.35
CPC14-3	03-04 06:00	3.09	-11.68	-0.742	311.084	1437.638	1854.006	1938.134	11	19.7	21.7	22.2	23	DRY	8323.36	8381.27	8606.12	8456.41
CPC14-3	03-04 07:00	3.09	-11.68	-0.874	310.42	1436.801	1853.156	1937.246	11	19.7	21.7	22.3	23.1	DRY	8322.70	8380.43	8605.27	8455.53
CPC14-3	03-04 08:00	3.09	-11.07	-0.817	309.781	1435.88	1852.251	1936.369	11	19.7	21.7	22.4	23.2	DRY	8322.06	8379.51	8604.36	8454.65
CPC14-3	03-04 09:00	3.1	-8.42	-0.865	309.063	1435.192	1851.624	1935.452	11	19.8	21.7	22.5	22.8	DRY	8321.34	8378.82	8603.74	8453.73
CPC14-3	03-04 16:00	3.13	0	-0.87	305.281	1430.46	1846.822	1930.619	11	19.9	21.7	22.5	22.8	DRY	8317.56	8374.09	8598.93	8448.90
CPC14-3	03-04 17:00	3.13	-0.44	-0.644	304.935	1429.773	1846.246	1930.029	11	19.9	21.7	22.5	22.8	DRY	8317.21	8373.40	8598.36	8448.31
CPC14-3	03-04 18:00	3.12	-6.88	-0.893	304.339	1429.386	1845.71	1929.43	11	19.9	21.7	22.5	22.6	DRY	8316.62	8373.01	8597.82	8447.71
CPC14-3	03-04 19:00	3.08	-13.26	-0.851	303.697	1428.95	1844.874	1928.994	11	19.7	21.7	22.1	23	DRY	8315.97	8372.58	8596.99	8447.27
CPC14-3	03-04 20:00	3.07	-15.69	-0.71	303.594	1428.311	1844.481	1928.263	11.1	19.9	21.7	22.4	22.6	DRY	8315.87	8371.94	8596.59	8446.54
CPC14-3	03-04 21:00	3.08	-16.88	-0.861	303.022	1427.696	1843.758	1927.757	11.1	19.7	21.7	22.1	23	DRY	8315.30	8371.32	8595.87	8446.04
CPC14-3	03-04 22:00	3.07	-17.65	-0.851	302.507	1426.885	1843.365	1926.976	11.1	19.9	21.7	22.5	22.7	DRY	8314.78	8370.51	8595.48	8445.26
CPC14-3	03-04 23:00	3.07	-18.02	-0.766	302.086	1426.663	1842.728	1926.79	11.1	19.8	21.7	22.2	23	DRY	8314.36	8370.29	8594.84	8445.07
CPC14-3	03-05 005																	

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	03-07 19:00	3.1	-1	-0.749	287.327	1405.799	1821.561	1905.285	11.4	19.9	21.7	22.2	22.6	DRY	8299.60	8349.43	8573.67	8423.57
CPC14-3	03-07 20:00	3.09	-2.83	-0.787	287.251	1405.548	1821.411	1905.138	11.4	20.1	21.7	22.5	23.1	DRY	8299.53	8349.18	8573.52	8423.42
CPC14-3	03-07 21:00	3.09	-4.25	-0.9	287.04	1405.193	1821.241	1904.806	11.4	19.9	21.7	22.2	22.6	DRY	8299.32	8348.82	8573.35	8423.09
CPC14-3	03-07 22:00	3.09	-4.2	-0.824	286.919	1405.067	1820.756	1904.678	11.4	19.9	21.7	22.2	22.6	DRY	8299.20	8348.70	8572.87	8422.96
CPC14-3	03-07 23:00	3.09	-4.18	-0.749	286.899	1404.976	1820.822	1904.359	11.4	19.9	21.7	22.3	22.7	DRY	8299.18	8348.60	8572.93	8422.64
CPC14-3	03-08 00:00	3.09	-4.16	-0.862	286.673	1404.742	1820.455	1904.326	11.4	20	21.7	22.3	23.1	DRY	8298.95	8348.37	8572.57	8422.61
CPC14-3	03-08 01:00	3.09	-4.77	-0.928	286.557	1404.491	1820.191	1903.977	11.4	20	21.7	22.4	23	DRY	8298.83	8348.12	8572.30	8422.26
CPC14-3	03-08 03:00	3.09	-5	-0.956	286.461	1404.066	1819.905	1903.709	11.4	20	21.7	22.3	23	DRY	8298.74	8347.69	8572.02	8421.99
CPC14-3	03-08 03:00	3.09	-5.5	-0.971	286.224	1403.78	1819.828	1903.564	11.4	19.9	21.7	22.4	22.8	DRY	8298.50	8347.41	8571.94	8421.84
CPC14-3	03-08 04:00	3.09	-6	-0.918	286.212	1403.823	1819.557	1903.279	11.4	19.9	21.7	22.3	22.7	DRY	8298.49	8347.45	8571.67	8421.56
CPC14-3	03-08 05:00	3.09	-6.12	-0.801	286.003	1403.706	1819.365	1902.983	11.4	19.9	21.7	22.1	22.6	DRY	8298.28	8347.33	8571.48	8421.26
CPC14-3	03-08 06:00	3.09	-6.45	-0.9	285.903	1403.529	1819.066	1902.859	11.4	20	21.7	22.2	22.8	DRY	8298.18	8347.16	8571.18	8421.14
CPC14-3	03-08 07:00	3.08	-6.98	-0.989	285.778	1403.152	1818.977	1902.836	11.4	20	21.7	22.5	23.1	DRY	8298.05	8346.78	8571.09	8421.12
CPC14-3	03-08 08:00	3.09	-6.45	-0.806	285.836	1403.069	1818.748	1902.493	11.4	20	21.7	22.2	22.9	DRY	8298.11	8346.70	8570.86	8420.77
CPC14-3	03-08 09:00	3.1	1.65	-0.918	285.503	1402.7	1818.574	1902.13	11.4	20	21.7	22.5	22.8	DRY	8297.78	8346.33	8570.69	8420.41
CPC14-3	03-08 10:00	3.13	7.46	-0.792	285.604	1402.466	1818.392	1902.15	11.4	20.1	21.7	22.3	22.9	DRY	8297.88	8346.09	8570.50	8420.43
CPC14-3	03-08 11:00	3.13	8.6	-0.819	285.462	1402.145	1818.037	1901.854	11.4	19.9	21.7	22.3	22.7	DRY	8297.74	8345.77	8570.15	8420.13
CPC14-3	03-08 12:00	3.14	11.95	-0.824	285.22	1402.102	1817.852	1901.649	11.4	19.9	21.7	22.4	22.7	DRY	8297.50	8345.73	8569.96	8419.93
CPC14-3	03-08 13:00	3.13	14.8	-0.937	284.984	1401.924	1817.622	1901.407	11.4	20	21.7	22.5	22.9	DRY	8297.26	8345.55	8569.73	8419.69
CPC14-3	03-08 14:00	3.13	14.26	-0.806	284.841	1402.107	1817.478	1901.171	11.4	19.9	21.4	22.3	22.7	DRY	8297.12	8345.74	8569.59	8419.45
CPC14-3	03-08 15:00	3.12	8.21	-0.589	284.937	1401.764	1817.258	1901.03	11.4	19.9	21.4	22.3	22.7	DRY	8297.21	8345.39	8569.37	8419.31
CPC14-3	03-08 16:00	3.12	6.4	-0.843	284.772	1401.329	1817.083	1900.906	11.4	20.1	21.6	22.4	23	DRY	8297.05	8344.96	8569.20	8419.19
CPC14-3	03-08 17:00	3.11	3.96	-0.838	284.624	1401.038	1816.892	1900.677	11.4	20	21.6	22.5	23	DRY	8296.90	8344.67	8569.00	8418.96
CPC14-3	03-08 18:00	3.1	-0.56	-0.857	284.422	1400.903	1816.729	1900.432	11.4	20.1	21.6	22.2	22.8	DRY	8296.70	8344.53	8568.84	8418.71
CPC14-3	03-08 19:00	3.09	-3.47	-0.928	284.316	1400.79	1816.523	1900.23	11.4	20.1	21.6	22.1	22.6	DRY	8296.59	8344.42	8568.64	8418.51
CPC14-3	03-08 20:00	3.09	-4.65	-0.915	284.09	1400.699	1816.408	1900.253	11.5	20.1	21.7	22.5	23.1	DRY	8296.37	8344.33	8568.52	8418.53
CPC14-3	03-08 21:00	3.09	-5.35	-0.971	284.01	1400.573	1816.2	1899.937	11.5	20	21.7	22.5	23	DRY	8296.29	8344.20	8568.31	8418.22
CPC14-3	03-08 22:00	3.09	-6	-0.984	283.834	1400.134	1815.935	1899.701	11.4	19.9	21.7	22.5	22.9	DRY	8296.11	8343.76	8568.05	8417.98
CPC14-3	03-08 23:00	3.09	-6.3	-0.862	283.965	1400.017	1815.61	1899.391	11.5	19.9	21.7	22.4	22.8	DRY	8296.24	8343.65	8567.72	8417.67
CPC14-3	03-09 00:00	3.09	-6.5	-0.909	283.789	1399.765	1815.5	1899.29	11.5	20	21.7	22.5	23	DRY	8296.07	8343.39	8567.61	8417.57
CPC14-3	03-09 01:00	3.08	-6.5	-0.848	283.645	1399.53	1815.301	1899.01	11.5	20.1	21.7	22.3	22.9	DRY	8295.92	8343.16	8567.41	8417.29
CPC14-3	03-09 02:00	3.09	-7.11	-1.074	283.441	1399.609	1815.167	1898.825	11.5	19.9	21.7	22.2	22.6	DRY	8295.72	8343.24	8567.28	8417.11
CPC14-3	03-09 03:00	3.09	-7.34	-0.848	283.31	1399.144	1814.837	1898.818	11.5	19.9	21.7	22.4	22.8	DRY	8295.59	8342.77	8566.95	8417.10
CPC14-3	03-09 04:00	3.08	-7.93	-1.102	283.196	1399.156	1814.766	1898.464	11.5	19.9	21.7	22.5	22.9	DRY	8295.47	8342.78	8566.88	8416.74
CPC14-3	03-09 05:00	3.08	-8.53	-0.957	283.194	1398.939	1814.578	1898.491	11.5	20.1	21.7	22.5	23	DRY	8295.47	8342.57	8566.69	8416.77
CPC14-3	03-09 06:00	3.08	-7.98	-0.937	283.023	1398.73	1814.575	1898.178	11.5	20	21.7	22.5	23	DRY	8295.30	8342.36	8566.69	8416.46
CPC14-3	03-09 07:00	3.08	-7.47	-0.962	283.089													

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	03-12 02:00	3.09	-1.93	-0.891	277.313	1389.348	1804.824	1888.608	11.6	20	21.7	22.2	22.7	DRY	8289.59	8332.98	8556.94	8406.89
CPC14-3	03-12 03:00	3.09	-1.66	-0.816	277.21	1389.313	1804.693	1888.497	11.6	20	21.7	22.5	23	DRY	8289.49	8332.94	8556.81	8406.78
CPC14-3	03-12 04:00	3.08	-1.83	-0.9	277.09	1389.011	1804.555	1888.347	11.6	20.1	21.7	22.5	23	DRY	8289.37	8332.64	8556.67	8406.63
CPC14-3	03-12 05:00	3.08	-1.61	-0.981	277.198	1389.173	1804.41	1888.191	11.6	20	21.7	22.3	22.7	DRY	8289.47	8332.80	8556.52	8406.47
CPC14-3	03-12 06:00	3.09	-1.8	-1.046	277.247	1388.95	1804.41	1888.113	11.6	20	21.7	22.3	22.8	DRY	8289.52	8332.58	8556.52	8406.39
CPC14-3	03-12 07:00	3.07	-1.37	-0.849	277.142	1388.911	1804.204	1888.068	11.7	20.2	21.7	22.4	23	DRY	8289.42	8332.54	8556.32	8406.35
CPC14-3	03-12 08:00	3.09	0.29	-0.923	277.295	1388.727	1804.229	1887.919	11.6	20.1	21.6	22.2	22.7	DRY	8289.57	8332.36	8556.34	8406.20
CPC14-3	03-12 09:00	3.1	3.54	-0.873	277.279	1388.58	1804.107	1887.851	11.7	20.1	21.4	22.5	23	DRY	8289.56	8332.21	8556.22	8406.13
CPC14-3	03-12 10:00	3.11	9.22	-0.877	276.921	1388.523	1803.918	1887.626	11.7	20.1	21.3	22.4	23	DRY	8289.20	8332.15	8556.03	8405.91
CPC14-3	03-12 11:00	3.12	16.09	-0.754	277.003	1388.418	1803.79	1887.487	11.7	20.1	21.3	22.2	22.7	DRY	8289.28	8332.05	8555.90	8405.77
CPC14-3	03-12 12:00	3.12	14.23	-0.783	276.909	1388.304	1803.733	1887.361	11.7	20.1	21.4	22.5	23	DRY	8289.19	8331.93	8555.85	8405.64
CPC14-3	03-12 13:00	3.12	12.05	-0.811	276.847	1388.12	1803.588	1887.358	11.7	20.2	21.4	22.5	23	DRY	8289.12	8331.75	8555.70	8405.64
CPC14-3	03-12 14:00	3.11	15.36	-1.019	276.711	1387.967	1803.484	1887.276	11.7	20.1	21.4	22.5	23	DRY	8288.99	8331.60	8555.60	8405.56
CPC14-3	03-12 15:00	3.11	12.91	-1	276.543	1387.809	1803.263	1887.167	11.7	20.1	21.4	22.5	23	DRY	8288.82	8331.44	8555.38	8405.45
CPC14-3	03-12 16:00	3.11	9.02	-0.868	276.441	1387.826	1803.337	1886.962	11.7	20	21.4	22.4	22.9	DRY	8288.72	8331.45	8555.45	8405.24
CPC14-3	03-12 17:00	3.11	5.52	-1.014	276.472	1387.765	1803.082	1886.841	11.7	20.2	21.4	22.2	22.6	DRY	8288.75	8331.39	8555.19	8405.12
CPC14-3	03-12 18:00	3.09	1.86	-0.873	276.486	1387.738	1802.948	1886.768	11.7	20	21.6	22.5	23.1	DRY	8288.76	8331.37	8555.06	8405.05
CPC14-3	03-12 19:00	3.08	0.14	-0.944	276.178	1387.571	1802.922	1886.732	11.7	20	21.6	22.5	23	DRY	8288.45	8331.20	8555.03	8405.01
CPC14-3	03-12 20:00	3.09	-0.78	-0.868	276.174	1387.325	1802.848	1886.517	11.7	20	21.7	22.5	23	DRY	8288.45	8330.95	8554.96	8404.80
CPC14-3	03-12 21:00	3.07	-0.83	-0.788	276.119	1387.322	1802.793	1886.561	11.7	20.1	21.7	22.4	22.9	DRY	8288.40	8330.95	8554.91	8404.84
CPC14-3	03-12 22:00	3.09	-1.68	-0.914	275.926	1387.269	1802.662	1886.375	11.7	20.2	21.7	22.2	22.6	DRY	8288.20	8330.90	8554.77	8404.66
CPC14-3	03-12 23:00	3.07	-2.27	-0.839	276.038	1387.247	1802.599	1886.191	11.7	20	21.7	22.2	22.6	DRY	8288.31	8330.88	8554.71	8404.47
CPC14-3	03-13 00:00	3.07	-2.83	-0.914	275.963	1387.023	1802.526	1886.235	11.7	20.1	21.7	22.2	22.6	DRY	8288.24	8330.65	8554.64	8404.52
CPC14-3	03-13 01:00	3.07	-3.05	-0.854	275.971	1386.901	1802.395	1886.309	11.7	20.1	21.7	22.4	22.9	DRY	8288.25	8330.53	8554.51	8404.59
CPC14-3	03-13 02:00	3.08	-3.54	-0.934	275.913	1386.896	1802.227	1886.037	11.7	20.1	21.7	22.3	22.8	DRY	8288.19	8330.52	8554.34	8404.32
CPC14-3	03-13 03:00	3.07	-3.66	-0.854	275.742	1386.814	1802.218	1885.863	11.7	20	21.7	22.3	22.7	DRY	8288.02	8330.44	8554.33	8404.14
CPC14-3	03-13 04:00	3.08	-3.74	-0.953	275.635	1386.673	1802.082	1885.765	11.7	20	21.7	22.3	22.8	DRY	8287.91	8330.30	8554.19	8404.05
CPC14-3	03-13 05:00	3.08	-3.81	-0.962	275.655	1386.651	1802.179	1885.751	11.7	19.9	21.7	22.5	23	DRY	8287.93	8330.28	8554.29	8404.03
CPC14-3	03-13 06:00	3.08	-4.13	-1.084	275.49	1386.625	1801.947	1885.53	11.7	20.1	21.7	22.4	23	DRY	8287.77	8330.25	8554.06	8403.81
CPC14-3	03-13 07:00	3.08	-4.01	-0.849	275.487	1386.48	1801.799	1885.557	11.7	20	21.7	22.4	22.8	DRY	8287.76	8330.11	8553.91	8403.84
CPC14-3	03-13 08:00	3.08	-2.32	-0.802	275.445	1386.274	1801.725	1885.339	11.7	20	21.7	22.5	22.9	DRY	8287.72	8329.90	8553.84	8403.62
CPC14-3	03-13 09:00	3.09	0.82	-0.962	275.51	1386.305	1801.654	1885.254	11.7	20.1	21.6	22.5	23	DRY	8287.79	8329.93	8553.77	8403.53
CPC14-3	03-13 10:00	3.11	5.28	-1.075	275.46	1386.109	1801.436	1885.27	11.7	20.2	21.3	22.2	22.7	DRY	8287.74	8329.74	8553.55	8403.55
CPC14-3	03-13 11:00	3.11	4.23	-0.976	275.498	1386.078	1801.354	1885.108	11.7	20.1	21.3	22.1	22.6	DRY	8287.77	8329.71	8553.47	8403.39
CPC14-3	03-13 12:00	3.1	5.91	-0.849	275.326	1386.004	1801.416	1884.971	11.7	20	21.4	22.4	22.9	DRY	8287.60	8329.63	8553.53	8403.25
CPC14-3	03-13 13:00	3.1	5.47	-0.934	275.325	1385.674	1801.24	1884.924	11.7	20.2	21.5	22.2	22.6	DRY	8287.60	8329.30	8553.35	8403.20
CPC14-3	03-13 14:00	3.11	5.96	-0.939	2													

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	03-16 09:00	3.09	10.99	-0.892	271.579	1379.849	1794.898	1878.406	11.8	20.2	21.6	22.3	22.7	DRY	8283.86	8323.48	8547.01	8396.69
CPC14-3	03-16 10:00	3.1	16.58	-1.071	271.488	1379.747	1794.819	1878.403	11.8	20.1	21.6	22.4	22.9	DRY	8283.76	8323.38	8546.93	8396.68
CPC14-3	03-16 11:00	3.11	19.35	-0.92	271.464	1379.747	1794.633	1878.365	11.8	20.2	21.6	22.4	22.9	DRY	8283.74	8323.38	8546.75	8396.65
CPC14-3	03-16 12:00	3.11	21.81	-1.156	271.431	1379.844	1794.684	1878.208	11.8	20.1	21.7	22.5	23	DRY	8283.71	8323.47	8546.80	8396.49
CPC14-3	03-16 13:00	3.11	24.48	-1.019	271.192	1379.395	1794.513	1878.074	11.8	20.1	21.7	22.4	22.8	DRY	8283.47	8323.02	8546.63	8396.35
CPC14-3	03-16 14:00	3.11	26.11	-0.991	271.294	1379.391	1794.419	1877.937	11.8	20.3	21.7	22.2	22.6	DRY	8283.57	8323.02	8546.53	8396.22
CPC14-3	03-16 15:00	3.1	24.45	-0.925	271.208	1379.325	1794.387	1878.009	11.8	20.3	21.7	22.3	22.7	DRY	8283.48	8322.95	8546.50	8396.29
CPC14-3	03-16 16:00	3.1	21.56	-1.005	271.133	1379.377	1794.267	1877.834	11.8	20.1	21.7	22.4	22.9	DRY	8283.41	8323.01	8546.38	8396.11
CPC14-3	03-16 17:00	3.1	17.89	-1.08	270.985	1379.034	1794.155	1877.666	11.8	20.2	21.7	22.3	22.7	DRY	8283.26	8322.66	8546.27	8395.95
CPC14-3	03-16 18:00	3.09	12.78	-1.024	271.096	1379.025	1794.149	1877.628	11.8	20.1	21.7	22.5	23	DRY	8283.37	8322.65	8546.26	8395.91
CPC14-3	03-16 19:00	3.07	6.4	-1.061	270.956	1378.77	1793.981	1877.485	11.8	20.2	21.7	22.2	22.6	DRY	8283.23	8322.40	8546.09	8395.77
CPC14-3	03-16 20:00	3.07	4.05	-1.071	270.939	1378.836	1793.917	1877.519	11.8	20.1	21.6	22.5	23	DRY	8283.22	8322.46	8546.03	8395.80
CPC14-3	03-16 21:00	3.07	2.52	-1.066	270.898	1378.585	1793.815	1877.306	11.8	20.2	21.7	22.2	22.7	DRY	8283.17	8322.21	8545.93	8395.59
CPC14-3	03-16 22:00	3.07	1.72	-0.948	270.923	1378.66	1793.848	1877.409	11.8	20.1	21.7	22.5	23	DRY	8283.20	8322.29	8545.96	8395.69
CPC14-3	03-16 23:00	3.07	0.58	-1.108	270.799	1378.625	1793.828	1877.296	11.8	20.1	21.7	22.5	23	DRY	8283.08	8322.25	8545.94	8395.58
CPC14-3	03-17 00:00	3.06	-0.76	-1.057	270.73	1378.686	1793.582	1877.121	11.8	20.1	21.7	22.5	23	DRY	8283.01	8322.31	8545.69	8395.40
CPC14-3	03-17 01:00	3.07	-1.07	-1.108	270.692	1378.559	1793.642	1877.148	11.8	20.1	21.7	22.3	22.8	DRY	8282.97	8322.19	8545.75	8395.43
CPC14-3	03-17 02:00	3.06	-1.12	-1.014	270.803	1378.286	1793.475	1877.012	11.8	20.2	21.7	22.2	22.6	DRY	8283.08	8321.91	8545.59	8395.29
CPC14-3	03-17 03:00	3.06	-1.15	-1.075	270.584	1378.444	1793.397	1876.968	11.8	20.2	21.7	22.2	22.6	DRY	8282.86	8322.07	8545.51	8395.25
CPC14-3	03-17 04:00	3.06	-1.34	-1.057	270.531	1378.114	1793.209	1876.857	11.8	20.2	21.6	22.2	22.6	DRY	8282.81	8321.74	8545.32	8395.14
CPC14-3	03-17 05:00	3.06	-1.66	-1.156	270.646	1378.189	1793.24	1876.684	11.8	20.1	21.7	22.4	22.9	DRY	8282.92	8321.82	8545.35	8394.96
CPC14-3	03-17 06:00	3.07	-1.97	-1.128	270.46	1378.166	1793.112	1876.734	11.8	20.2	21.7	22.1	22.6	DRY	8282.74	8321.79	8545.22	8395.01
CPC14-3	03-17 07:00	3.07	-2.07	-1.075	270.317	1377.88	1792.973	1876.525	11.8	20.1	21.7	22.2	22.6	DRY	8282.59	8321.51	8545.09	8394.81
CPC14-3	03-17 08:00	3.07	-1.39	-0.991	270.325	1377.849	1792.957	1876.326	11.8	20.2	21.7	22.2	22.6	DRY	8282.60	8321.48	8545.07	8394.61
CPC14-3	03-17 09:00	3.06	-0.32	-0.972	270.255	1377.801	1792.907	1876.303	11.8	20.1	21.7	22.5	23.1	DRY	8282.53	8321.43	8545.02	8394.58
CPC14-3	03-17 10:00	3.08	1.28	-1.061	270.337	1377.651	1792.798	1876.194	11.8	20.1	21.7	22.5	23	DRY	8282.61	8321.28	8544.91	8394.47
CPC14-3	03-17 11:00	3.09	3.96	-0.991	270.237	1377.571	1792.697	1876.249	11.8	20.1	21.7	22.5	23	DRY	8282.51	8321.20	8544.81	8394.53
CPC14-3	03-17 12:00	3.1	7.56	-1.075	270.263	1377.453	1792.529	1876.058	11.8	20.2	21.7	22.3	22.8	DRY	8282.54	8321.08	8544.64	8394.34
CPC14-3	03-17 13:00	3.1	14.57	-0.882	270.151	1377.382	1792.558	1875.947	11.8	20.3	21.7	22.5	23	DRY	8282.43	8321.01	8544.67	8394.23
CPC14-3	03-17 14:00	3.11	18.39	-1.052	270.027	1377.104	1792.382	1875.903	11.8	20.2	21.7	22.3	22.7	DRY	8282.30	8320.73	8544.49	8394.18
CPC14-3	03-17 15:00	3.11	19.97	-1.156	270.093	1377.109	1792.349	1875.878	11.8	20.2	21.7	22.4	22.9	DRY	8282.37	8320.74	8544.46	8394.16
CPC14-3	03-17 16:00	3.11	18.16	-0.944	270.064	1377.29	1792.204	1875.618	11.9	20.1	21.7	22.2	22.7	DRY	8282.34	8320.92	8544.32	8393.90
CPC14-3	03-17 17:00	3.1	15.31	-1.019	269.932	1377.175	1792.101	1875.595	11.9	20.1	21.7	22.2	22.6	DRY	8282.21	8320.80	8544.21	8393.88
CPC14-3	03-17 18:00	3.09	10.27	-1.156	269.788	1377.219	1792.14	1875.535	11.8	20.1	21.7	22.4	22.9	DRY	8282.06	8320.85	8544.25	8393.82
CPC14-3	03-17 19:00	3.08	3.4	-1.08	269.783	1377.051	1791.903	1875.449	11.8	20.3	21.7	22.5	23	DRY	8282.06	8320.68	8544.02	8393.73
CPC14-3	03-17 20:00	3.07	0.89	-1.085	269.791	1376.888	1791.905	1875.473	11.8	20.3	21.7	22.6	23.1	DRY	8282.07	8320.52	8544.02	8393.75
CPC14-3	03-17 21:00	3.07	0.7	-1.052	269.605	1376.928	1791.811	1875.336	11.8	20.3	21.7	22.5	23	DRY	8281.88	8320.56	8543.92	8393.62
CPC14-3	03-17 22:00	3.07	0.6	-1.104	269.539	1376.553	1791.635	1875.21	11.8	20.1	21.7	22.2	22.6	DRY	8281.82	8320.18	8543.75	8393.49
CPC14-3	03-17 23:00	3.07	-0.22	-0.944	269.602	1376.672	1791.579	1875.095	11.9	20.2	21.7	22.2	22.7	DRY	8281.88	8320.30	8543.69	8393.38
CPC14-3	03-18 00:00	3.07	-0.64	-1.01	269.523	1376.632	1791.493	1874.98	11.8	20.1	21.7	22.2	22.6	DRY	8281.80	8320.26	8543.61	8393.26
CPC14-3	03-18 01:00	3.07	-0.42	-1.075	269.511	1376.593	1791.545	1874.828	11.8	20.1	21.7	22.2	22.6	DRY	8281.79	8320.22	8543.66	8393.11
CPC14-3	03-18 02:00	3.07	0.09	-1.057	269.564	1376.408	1791.408	1874.875	11.8	20.1	21.7	22.3	22.7	DRY	8281.84	8320.04	8543.52	8393.16
CPC14-3	03-18 03:00	3.07	0.26	-0.935	269.341	1376.301	1791.336	1875.003	11.9	20.2	21.7	22.3	22.8	DRY	8281.62	8319.93	8543.45	8393.28
CPC14-3	03-18 04:00	3.07	0.29	-1.043	269.395	1376.095	1791.309	1874.855	11.9	20.2	21.7	22.4	23	DRY	8281.67	8319.72	8543.42	8393.14
CPC14-3	03-18 05:00	3.07	0.6	-1.076	269.321	1375.997	1791.167	1874.841	11.9	20.2	21.7	22.4	23	DRY	8281.60	8319.63	8543.28	8393.12
CPC14-3	03-18 06:00	3.07	0.8	-1.052	269.288	1375.856	1791.127	1874.834	11.9	20.2	21.7	22.5	23	DRY	8281.56	8319.48	8543.24	8393.11
CPC14-3	03-18 07:00	3.07	1.23	-1.137	269.027	1375.887	1791.081	1874.635	11.9	20.2	21.7	22.3	22.8	DRY	8281.30	8319.52	8543.19	8392.92
CPC14-3	03-18 08:00	3.08	3.49	-1.043	269.126	1375.71	1790.831	1874.364	11.9	20.1	21.7	22.2	22.7	DRY	8281.40	8319.34	8542.94	8392.64
CPC14-3	03-18 09:00	3.09	8.38	-1.09	269.155	1375.776	1790.792	1874.291	11.9	20.2	21.7	22.4	22.9	DRY	8281.43	8319.40	8542.90	8392.57
CPC14-3	03-18 10:00	3.09	12.25	-1.119	269.23	1375.728	1790.683	1874.295	11.9	20.1	21.7	22.2	22.7	DRY	8281.51	8319.36	8542.80	8392.58
CPC14-3	03-18 11:00	3.09	11.87	-1.133	269.06	1375.71	1790.633	1874.168	11.9	20.1	21.7	22.2	22.7	DRY	8281.34	8319.34	8542.75	8392.45
CPC14-3	03-18 12:00	3.09	13.11	-1.33	268.994	1375.724	1790.554	1874.092	11.9	20.2	21.7	22.3	22.9	DRY	8281.27	8319.35	8542.67	8392.37
CPC14-3	03-18 13:00	3.09	13.01	-0.963	269.109	1375.657	1790.582	1874.089	11.9	20.2	21.7	22.3	22.7	DRY	8281.39	8319.29	8542.69	8392.37
CPC14-3	03-18 14:00	3.09	10.39	-1.062	268.915	1375.742	1790.443	1874.082	11.9	20.3	21.7	22.5	23	DRY	8281.19	8319.37	8542.56	8392.36
CPC14-3	03-18 15:00	3.09	4.67	-1.166	268.895	1375.437	1790.336	1873.955	11.9	20.2	21.7	22.3	22.8	DRY	8281.17	8319.07	8542.45	8392.24
CPC14-3	03-18 16:00	3.09	6.92	-1.113	268.895	1375.45	1790.262	1874.002	11.9	20.2	21.7	22.5	23	DRY	8281.17	8319.08	8542.37	8392.28
CPC14-3	03-18 17:00	3.08	6.13	-1.062	268.792	1375.486	1790.172	1873.791	11.9	20.1	21.7	22.1	22.6	DRY	8281.07	8319.11	8542.28	8392.07
CPC14-3	03-18 18:00	3.08</																

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	03-20 16:00	3.09	17.31	-1.236	266.727	1371.651	1786.679	1870.283	11.9	20.3	21.7	22.5	23	DRY	8279.00	8315.28	8538.79	8388.56
CPC14-3	03-20 17:00	3.09	12.81	-1.321	266.562	1371.695	1786.608	1870.343	11.9	20.1	21.7	22.3	22.8	DRY	8278.84	8315.32	8538.72	8388.62
CPC14-3	03-20 18:00	3.08	7.37	-1.368	266.591	1371.81	1786.55	1870.166	11.9	20.2	21.7	22.4	23	DRY	8278.87	8315.44	8538.66	8388.45
CPC14-3	03-20 19:00	3.07	1.06	-1.33	266.574	1371.664	1786.519	1870.066	11.9	20.3	21.7	22.5	22.8	DRY	8278.85	8315.29	8538.63	8388.35
CPC14-3	03-20 20:00	3.06	-1.51	-1.241	266.442	1371.562	1786.379	1869.998	11.9	20.1	21.7	22.2	22.6	DRY	8278.72	8315.19	8538.49	8388.28
CPC14-3	03-20 21:00	3.06	-3.02	-1.35	266.4	1371.523	1786.288	1869.863	11.9	20.2	21.7	22.3	22.7	DRY	8278.68	8315.15	8538.40	8388.14
CPC14-3	03-20 22:00	3.05	-4.18	-1.35	266.284	1371.266	1786.454	1869.807	11.9	20.2	21.7	22.3	22.9	DRY	8278.56	8314.89	8538.57	8388.09
CPC14-3	03-20 23:00	3.05	-5.32	-1.444	266.371	1371.381	1786.351	1869.765	11.9	20.3	21.7	22.5	22.9	DRY	8278.65	8315.01	8538.46	8388.05
CPC14-3	03-21 00:00	3.05	-5.52	-1.199	266.276	1371.358	1786.202	1869.614	11.9	20.2	21.7	22.5	22.9	DRY	8278.55	8314.99	8538.31	8387.89
CPC14-3	03-21 01:00	3.05	-4.8	-1.213	266.276	1371.341	1786.081	1869.697	11.9	20.2	21.7	22.5	23	DRY	8278.55	8314.97	8538.19	8387.98
CPC14-3	03-21 02:00	3.05	-4.23	-1.382	266.251	1371.248	1785.977	1869.348	11.9	20.2	21.7	22.5	23	DRY	8278.53	8314.88	8538.09	8387.63
CPC14-3	03-21 03:00	3.05	-3.83	-1.245	266.239	1371.159	1785.913	1869.432	11.9	20.2	21.7	22.3	22.6	DRY	8278.52	8314.79	8538.03	8387.71
CPC14-3	03-21 04:00	3.05	-3.88	-1.259	266.144	1371.12	1785.837	1869.49	11.9	20.1	21.7	22.3	22.8	DRY	8278.42	8314.75	8537.95	8387.77
CPC14-3	03-21 05:00	3.05	-3.98	-1.326	266.124	1371.013	1785.731	1869.332	11.9	20.1	21.7	22.2	22.6	DRY	8278.40	8314.64	8537.84	8387.61
CPC14-3	03-21 06:00	3.05	-4.55	-1.175	266.181	1370.757	1785.71	1869.351	11.9	20.1	21.7	22.3	22.9	DRY	8278.46	8314.39	8537.82	8387.63
CPC14-3	03-21 07:00	3.05	-4.03	-1.411	266.065	1370.801	1785.622	1869.129	11.9	20.1	21.7	22.1	22.6	DRY	8278.34	8314.43	8537.73	8387.41
CPC14-3	03-21 08:00	3.05	-4.28	-1.189	265.995	1370.797	1785.621	1869.055	11.9	20.1	21.7	22.2	22.8	DRY	8278.27	8314.43	8537.73	8387.34
CPC14-3	03-21 09:00	3.07	10.19	-1.345	265.85	1370.522	1785.526	1868.972	11.9	20.2	21.7	22.5	23	DRY	8278.13	8314.15	8537.64	8387.25
CPC14-3	03-21 10:00	3.09	17.08	-1.392	265.837	1370.575	1785.395	1868.9	11.9	20.2	21.7	22.4	22.8	DRY	8278.11	8314.20	8537.51	8387.18
CPC14-3	03-21 11:00	3.09	19.11	-1.307	265.941	1370.407	1785.296	1868.731	11.9	20.1	21.7	22.2	22.7	DRY	8278.22	8314.04	8537.41	8387.01
CPC14-3	03-21 12:00	3.1	20.41	-1.439	265.882	1370.341	1785.31	1868.665	11.9	20.3	21.7	22.5	22.9	DRY	8278.16	8313.97	8537.42	8386.95
CPC14-3	03-21 13:00	3.09	20.76	-1.307	265.788	1370.199	1785.34	1868.644	12	20.3	21.7	22.5	23	DRY	8278.06	8313.83	8537.45	8386.92
CPC14-3	03-21 14:00	3.09	20.85	-1.359	265.622	1370.088	1785.08	1868.417	12	20.2	21.7	22.2	22.6	DRY	8277.90	8313.72	8537.19	8386.70
CPC14-3	03-21 15:00	3.09	19.33	-1.383	265.795	1370.225	1785.11	1868.565	12	20.3	21.7	22.5	23	DRY	8278.07	8313.85	8537.22	8386.85
CPC14-3	03-21 16:00	3.09	17.34	-1.425	265.676	1370.146	1784.965	1868.457	12	20.3	21.7	22.5	22.9	DRY	8277.95	8313.77	8537.08	8386.74
CPC14-3	03-21 17:00	3.09	15.23	-1.293	265.568	1370.221	1784.919	1868.478	12	20.3	21.7	22.5	23	DRY	8277.84	8313.85	8537.03	8386.76
CPC14-3	03-21 18:00	3.08	10.27	-1.297	265.613	1370.177	1784.894	1868.392	11.9	20.3	21.7	22.5	23	DRY	8277.89	8313.81	8537.01	8386.67
CPC14-3	03-21 19:00	3.07	2.45	-1.203	265.643	1370.066	1784.933	1868.292	11.9	20.2	21.6	22.2	22.6	DRY	8277.92	8313.69	8537.05	8386.57
CPC14-3	03-21 20:00	3.06	-0.15	-1.373	265.635	1370.049	1784.883	1868.226	11.9	20.1	21.7	22.2	22.7	DRY	8277.91	8313.68	8537.00	8386.51
CPC14-3	03-21 21:00	3.05	-1.27	-1.434	265.593	1370.097	1784.74	1868.244	11.9	20.2	21.7	22.4	22.8	DRY	8277.87	8313.73	8536.85	8386.52
CPC14-3	03-21 22:00	3.05	-2.36	-1.359	265.365	1369.929	1784.594	1868.134	11.9	20.1	21.7	22.2	22.6	DRY	8277.64	8313.56	8536.71	8386.41
CPC14-3	03-21 23:00	3.05	-2.98	-1.552	265.415	1369.765	1784.635	1867.989	11.9	20.1	21.7	22.3	22.6	DRY	8277.69	8313.39	8536.75	8386.27
CPC14-3	03-22 00:00	3.05	-3.22	-1.406	265.303	1369.814	1784.459	1868.003	11.9	20.1	21.7	22.2	22.6	DRY	8277.58	8313.44	8536.57	8386.28
CPC14-3	03-22 01:00	3.05	-2.71	-1.345	265.216	1369.646	1784.459	1867.964	11.9	20.1	21.7	22.2	22.8	DRY	8277.49	8313.27	8536.57	8386.24
CPC14-3	03-22 02:00	3.05	-2.58	-1.312	265.232	1369.601	1784.416	1867.818	11.9	20.3	21.7	22.5	23	DRY	8277.51	8313.23	8536.53	8386.10
CPC14-3	03-22 03:00	3.05	-2.44	-1.265	265.241	1369.659	1784.385	1867.788	12	20.1	21.7	22.2	22.8	DRY	8277.52	8313.29	8536.50	8386.07
CPC14-3	03-22 0																	

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	03-24 23:00	3.05	-3.29	-1.373	262.541	1365.735	1780.291	1863.655	12	20.2	21.7	22.3	22.7	DRY	8274.82	8309.36	8532.40	8381.94
CPC14-3	03-25 00:00	3.05	-3.1	-1.194	262.604	1365.49	1780.188	1863.596	12	20.2	21.7	22.2	22.7	DRY	8274.88	8309.12	8532.30	8381.88
CPC14-3	03-25 01:00	3.04	-3.32	-1.359	262.632	1365.454	1780.067	1863.464	12	20.3	21.7	22.4	22.8	DRY	8274.91	8309.08	8532.18	8381.74
CPC14-3	03-25 02:00	3.05	-3.05	-1.416	262.504	1365.521	1780.122	1863.397	12	20.3	21.7	22.5	23	DRY	8274.78	8309.15	8532.23	8381.68
CPC14-3	03-25 03:00	3.05	-3.25	-1.26	262.541	1365.397	1780.021	1863.412	12	20.3	21.7	22.5	23	DRY	8274.82	8309.03	8532.13	8381.69
CPC14-3	03-25 04:00	3.05	-3.56	-1.345	262.458	1365.468	1779.848	1863.241	12	20.2	21.7	22.3	23	DRY	8274.73	8309.10	8531.96	8381.52
CPC14-3	03-25 05:00	3.05	-3.86	-1.482	262.525	1365.539	1779.804	1863.13	12	20.2	21.7	22.4	23	DRY	8274.80	8309.17	8531.92	8381.41
CPC14-3	03-25 06:00	3.04	-3.81	-1.444	262.437	1365.317	1779.823	1863.148	12	20.3	21.7	22.5	23	DRY	8274.71	8308.95	8531.94	8381.43
CPC14-3	03-25 07:00	3.05	-3.52	-1.312	262.234	1365.228	1779.696	1863.116	12	20.3	21.7	22.5	23.1	DRY	8274.51	8308.86	8531.81	8381.40
CPC14-3	03-25 08:00	3.05	-2.73	-1.42	262.205	1365.321	1779.744	1863.052	12	20.2	21.7	22.3	22.6	DRY	8274.48	8308.95	8531.86	8381.33
CPC14-3	03-25 09:00	3.06	0.17	-1.378	262.163	1365.05	1779.634	1863.078	12	20.3	21.7	22.5	23	DRY	8274.44	8308.68	8531.75	8381.36
CPC14-3	03-25 10:00	3.06	0.31	-1.336	262.155	1365.028	1779.411	1862.851	12	20.2	21.7	22.2	22.6	DRY	8274.43	8308.66	8531.52	8381.13
CPC14-3	03-25 11:00	3.06	-0.37	-1.312	262.13	1365.024	1779.484	1862.798	12	20.3	21.7	22.5	23	DRY	8274.41	8308.65	8531.60	8381.08
CPC14-3	03-25 12:00	3.06	-2.71	-1.416	262.188	1364.663	1779.527	1862.936	12	20.4	21.7	22.5	23	DRY	8274.46	8308.29	8531.64	8381.22
CPC14-3	03-25 13:00	3.06	-2.56	-1.524	262.059	1364.806	1779.467	1862.783	12	20.3	21.7	22.5	23	DRY	8274.34	8308.43	8531.58	8381.06
CPC14-3	03-25 14:00	3.07	-0.13	-1.416	261.985	1364.712	1779.381	1862.801	12	20.2	21.7	22.4	23	DRY	8274.26	8308.34	8531.49	8381.08
CPC14-3	03-25 15:00	3.07	2.4	-1.42	262.006	1364.739	1779.363	1862.718	12	20.3	21.7	22.5	23	DRY	8274.28	8308.37	8531.48	8381.00
CPC14-3	03-25 16:00	3.06	1.69	-1.453	261.889	1364.695	1779.248	1862.56	12	20.2	21.7	22.2	22.6	DRY	8274.17	8308.32	8531.36	8380.84
CPC14-3	03-25 17:00	3.07	1.72	-1.463	261.827	1364.663	1779.114	1862.517	12	20.4	21.7	22.5	22.8	DRY	8274.10	8308.29	8531.23	8380.80
CPC14-3	03-25 18:00	3.07	-1.07	-1.576	261.969	1364.641	1779.112	1862.389	12	20.2	21.7	22.2	22.6	DRY	8274.25	8308.27	8531.22	8380.67
CPC14-3	03-25 19:00	3.05	-5.85	-1.406	261.789	1364.575	1779.033	1862.398	12	20.4	21.7	22.5	23	DRY	8274.07	8308.20	8531.15	8380.68
CPC14-3	03-25 20:00	3.05	-7.88	-1.265	261.835	1364.579	1779.084	1862.443	12	20.3	21.7	22.5	23	DRY	8274.11	8308.21	8531.20	8380.72
CPC14-3	03-25 21:00	3.04	-8.92	-1.321	261.748	1364.477	1778.92	1862.313	12	20.2	21.7	22.2	22.6	DRY	8274.02	8308.11	8531.03	8380.59
CPC14-3	03-25 22:00	3.04	-9.29	-1.439	261.678	1364.291	1778.851	1862.346	12	20.3	21.7	22.5	23	DRY	8273.95	8307.92	8530.96	8380.63
CPC14-3	03-25 23:00	3.03	-9.26	-1.387	261.69	1364.438	1778.686	1862.236	12	20.2	21.7	22.2	22.6	DRY	8273.97	8308.07	8530.80	8380.52
CPC14-3	03-26 00:00	3.04	-9.29	-1.28	261.508	1364.45	1778.892	1862.128	12	20.2	21.7	22.4	23	DRY	8273.78	8308.08	8531.00	8380.41
CPC14-3	03-26 01:00	3.03	-9.21	-1.42	261.707	1364.335	1778.595	1862.124	12	20.2	21.7	22.4	22.9	DRY	8273.98	8307.96	8530.71	8380.40
CPC14-3	03-26 02:00	3.03	-9.1	-1.341	261.736	1364.228	1778.587	1861.924	12	20.2	21.7	22.2	22.6	DRY	8274.01	8307.86	8530.70	8380.20
CPC14-3	03-26 03:00	3.03	-9.21	-1.425	261.557	1364.272	1778.652	1861.844	12	20.3	21.7	22.4	22.8	DRY	8273.83	8307.90	8530.76	8380.12
CPC14-3	03-26 04:00	3.03	-9.13	-1.397	261.458	1364.122	1778.607	1861.844	12.1	20.2	21.7	22.1	22.6	DRY	8273.73	8307.75	8530.72	8380.12
CPC14-3	03-26 05:00	3.04	-8.95	-1.477	261.536	1364.068	1778.397	1861.812	12.1	20.2	21.7	22.2	22.7	DRY	8273.81	8307.70	8530.51	8380.09
CPC14-3	03-26 06:00	3.04	-8.74	-1.322	261.399	1364.09	1778.392	1861.945	12.1	20.2	21.7	22.1	22.6	DRY	8273.68	8307.72	8530.50	8380.23
CPC14-3	03-26 07:00	3.04	-8.03	-1.458	261.449	1363.917	1778.354	1861.809	12	20.3	21.7	22.3	22.7	DRY	8273.73	8307.55	8530.47	8380.09
CPC14-3	03-26 08:00	3.05	-6.25	-1.576	261.295	1364.037	1778.372	1861.861	12.1	20.3	21.7	22.4	22.7	DRY	8273.57	8307.67	8530.48	8380.14
CPC14-3	03-26 09:00	3.07	4.37	-1.515	261.35	1363.962	1778.388	1861.68	12.1	20.2	21.7	22.3	22.7	DRY	8273.63	8307.59	8530.50	8379.96
CPC14-3	03-26 10:00	3.08	10.07	-1.501	261.54	1363.859	1778.211	1861.614	12.1	20.2	21.7	22.2	22.8	DRY	8273.82	8307.49	8530.32	8379.89
CPC14-3	03-26 11:00	3.08	12.91	-1.426	261.238	1363.574	1778.19											

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	03-29 06:00	3.04	-1.29	-1.586	259.175	1360.428	1774.721	1857.978	12.1	20.3	21.7	22.3	23	DRY	8271.45	8304.06	8526.83	8376.26
CPC14-3	03-29 07:00	3.03	-1.78	-1.558	259.038	1360.406	1774.567	1857.858	12.1	20.2	21.7	22.2	23	DRY	8271.31	8304.03	8526.68	8376.14
CPC14-3	03-29 08:00	3.04	-0.64	-1.628	259.122	1360.076	1774.439	1857.845	12.1	20.2	21.7	22.2	23	DRY	8271.40	8303.70	8526.55	8376.13
CPC14-3	03-29 09:00	3.06	11.52	-1.591	259.067	1360.095	1774.473	1857.763	12.1	20.2	21.7	22.2	22.8	DRY	8271.34	8303.72	8526.59	8376.04
CPC14-3	03-29 10:00	3.07	16.17	-1.671	259.018	1360.076	1774.472	1857.804	12.1	20.3	21.7	22.5	22.7	DRY	8271.29	8303.70	8526.58	8376.08
CPC14-3	03-29 11:00	3.07	18.08	-1.699	258.968	1360.095	1774.447	1857.681	12.1	20.3	21.7	22.4	22.7	DRY	8271.24	8303.72	8526.56	8375.96
CPC14-3	03-29 12:00	3.07	20.11	-1.619	258.805	1360.103	1774.296	1857.637	12.1	20.2	21.7	22.3	22.7	DRY	8271.08	8303.73	8526.41	8375.92
CPC14-3	03-29 13:00	3.07	21.09	-1.544	258.684	1359.907	1774.34	1857.597	12.1	20.3	21.7	22.4	22.7	DRY	8270.96	8303.54	8526.45	8375.88
CPC14-3	03-29 14:00	3.07	22	-1.637	258.976	1359.925	1774.231	1857.522	12.1	20.4	21.7	22.3	23	DRY	8271.25	8303.55	8526.34	8375.80
CPC14-3	03-29 15:00	3.07	21.64	-1.562	259.059	1359.894	1774.174	1857.461	12.1	20.4	21.7	22.5	22.7	DRY	8271.34	8303.52	8526.29	8375.74
CPC14-3	03-29 16:00	3.07	20.52	-1.619	258.851	1359.876	1774.112	1857.346	12.1	20.4	21.7	22.5	22.6	DRY	8271.13	8303.50	8526.22	8375.63
CPC14-3	03-29 17:00	3.07	18.29	-1.567	258.822	1359.831	1774.104	1857.369	12.1	20.2	21.7	22.2	22.9	DRY	8271.10	8303.46	8526.22	8375.65
CPC14-3	03-29 18:00	3.06	13.93	-1.657	258.693	1359.698	1773.956	1857.213	12.1	20.3	21.7	22.2	23	DRY	8270.97	8303.33	8526.07	8375.49
CPC14-3	03-29 19:00	3.05	5.01	-1.633	258.609	1359.626	1774.089	1857.298	12.1	20.4	21.7	22.5	22.6	DRY	8270.89	8303.25	8526.20	8375.58
CPC14-3	03-29 20:00	3.04	0.94	-1.539	258.709	1359.613	1773.965	1857.328	12.1	20.4	21.7	22.4	22.9	DRY	8270.99	8303.24	8526.08	8375.61
CPC14-3	03-29 21:00	3.03	-0.73	-1.623	258.555	1359.729	1773.893	1857.193	12.1	20.4	21.7	22.5	22.8	DRY	8270.83	8303.36	8526.01	8375.47
CPC14-3	03-29 22:00	3.03	-1.24	-1.511	258.58	1359.569	1773.938	1857.074	12.1	20.3	21.7	22.5	22.6	DRY	8270.86	8303.20	8526.05	8375.35
CPC14-3	03-29 23:00	3.03	-1.63	-1.444	258.589	1359.666	1773.782	1857.125	12.1	20.3	21.7	22.3	23	DRY	8270.87	8303.29	8525.89	8375.41
CPC14-3	03-30 00:00	3.02	-1.95	-1.525	258.505	1359.538	1773.691	1857.152	12.1	20.4	21.7	22.3	23	DRY	8270.78	8303.17	8525.80	8375.43
CPC14-3	03-30 01:00	3.03	-2.46	-1.671	258.502	1359.48	1773.675	1857.054	12.1	20.2	21.7	22.4	22.6	DRY	8270.78	8303.11	8525.79	8375.33
CPC14-3	03-30 02:00	3.03	-1.68	-1.511	258.535	1359.551	1773.774	1856.862	12.1	20.4	21.7	22.5	22.7	DRY	8270.81	8303.18	8525.89	8375.14
CPC14-3	03-30 03:00	3.03	-1.27	-1.6	258.555	1359.314	1773.655	1856.814	12.1	20.3	21.7	22.4	22.9	DRY	8270.83	8302.94	8525.77	8375.09
CPC14-3	03-30 04:00	3.03	-0.85	-1.657	258.568	1359.555	1773.609	1856.76	12.1	20.2	21.7	22.3	22.7	DRY	8270.84	8303.18	8525.72	8375.04
CPC14-3	03-30 05:00	3.03	-0.81	-1.69	258.534	1359.417	1773.512	1856.897	12.1	20.3	21.7	22.3	23	DRY	8270.81	8303.05	8525.62	8375.18
CPC14-3	03-30 06:00	3.03	-1.37	-1.605	258.414	1359.185	1773.465	1856.781	12.1	20.2	21.7	22.2	23	DRY	8270.69	8302.81	8525.58	8375.06
CPC14-3	03-30 07:00	3.03	-1.37	-1.609	258.364	1359.158	1773.405	1856.608	12.1	20.2	21.7	22.3	22.7	DRY	8270.64	8302.79	8525.52	8374.89
CPC14-3	03-30 08:00	3.04	0.75	-1.501	258.385	1359.248	1773.342	1856.649	12.1	20.3	21.7	22.3	23	DRY	8270.66	8302.88	8525.45	8374.93
CPC14-3	03-30 09:00	3.06	9.52	-1.591	258.369	1358.935	1773.332	1856.529	12.1	20.2	21.7	22.2	22.9	DRY	8270.65	8302.56	8525.44	8374.81
CPC14-3	03-30 10:00	3.06	12.76	-1.671	258.235	1358.775	1773.305	1856.587	12.1	20.3	21.7	22.5	22.7	DRY	8270.51	8302.40	8525.42	8374.87
CPC14-3	03-30 11:00	3.06	14.05	-1.718	258.285	1358.931	1773.24	1856.363	12.1	20.2	21.7	22.3	22.7	DRY	8270.56	8302.56	8525.35	8374.64
CPC14-3	03-30 12:00	3.07	18	-1.637	258.264	1358.962	1773.186	1856.461	12.1	20.4	21.7	22.5	22.7	DRY	8270.54	8302.59	8525.30	8374.74
CPC14-3	03-30 13:00	3.07	22.26	-1.661	258.139	1358.739	1773.085	1856.281	12.1	20.3	21.7	22.4	22.7	DRY	8270.42	8302.37	8525.20	8374.56
CPC14-3	03-30 14:00	3.07	22.26	-1.718	258.206	1358.788	1773.087	1856.424	12.1	20.4	21.7	22.2	23	DRY	8270.48	8302.42	8525.20	8374.70
CPC14-3	03-30 15:00	3.07	20.68	-1.699	258.247	1358.757	1772.99	1856.363	12.1	20.4	21.7	22.3	23	DRY	8270.52	8302.39	8525.10	8374.64
CPC14-3	03-30 16:00	3.06	20.98	-1.708	258.214	1358.784	1772.905	1856.336	12.1	20.4	21.7	22.5	22.8	DRY	8270.49	8302.41	8525.02	8374.62
CPC14-3	03-30 17:00	3.06	18.1	-1.774	258.068	1358.672	1772.894	1856.149	12.1	20.2	21.7							

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	04-02 12:00	3.04	4.47	-1.812	256.181	1355.838	1769.817	1853.323	12.2	20.3	21.6	22.3	23	DRY	8268.46	8299.47	8521.93	8371.60
CPC14-3	04-02 13:00	3.04	5.28	-1.803	256.194	1356.154	1769.854	1853.05	12.2	20.4	21.9	22.5	22.6	DRY	8268.47	8299.78	8521.97	8371.33
CPC14-3	04-02 14:00	3.05	8.48	-1.78	256.21	1355.754	1769.831	1853.105	12.2	20.4	21.6	22.5	22.6	DRY	8268.49	8299.38	8521.94	8371.39
CPC14-3	04-02 15:00	3.05	11.02	-1.582	256.156	1355.77	1769.787	1853.074	12.2	20.4	21.9	22.2	22.9	DRY	8268.43	8299.40	8521.90	8371.35
CPC14-3	04-02 16:00	3.04	10.09	-1.78	256.14	1355.786	1769.792	1852.992	12.2	20.3	21.5	22.5	23	DRY	8268.42	8299.41	8521.90	8371.27
CPC14-3	04-02 17:00	3.04	7.81	-1.619	256.236	1355.771	1769.774	1852.982	12.2	20.4	21.7	22.5	22.6	DRY	8268.51	8299.40	8521.89	8371.26
CPC14-3	04-02 18:00	3.04	6.09	-1.676	256.107	1355.765	1769.786	1852.921	12.2	20.4	21.9	22.5	22.6	DRY	8268.38	8299.39	8521.90	8371.20
CPC14-3	04-02 19:00	3.03	1.48	-1.86	256.081	1355.612	1769.723	1852.998	12.2	20.3	21.5	22.6	22.9	DRY	8268.36	8299.24	8521.84	8371.28
CPC14-3	04-02 20:00	3.03	-3.2	-1.954	255.982	1355.595	1769.626	1852.893	12.2	20.2	22	22.5	22.5	DRY	8268.26	8299.22	8521.74	8371.17
CPC14-3	04-02 21:00	3.02	-5.95	-1.798	255.977	1355.627	1769.513	1852.836	12.2	20.4	21.9	22.2	22.6	DRY	8268.25	8299.26	8521.63	8371.12
CPC14-3	04-02 22:00	3.02	-7.42	-1.591	255.974	1355.46	1769.507	1852.763	12.2	20.2	21.5	22.3	23.1	DRY	8268.25	8299.09	8521.62	8371.04
CPC14-3	04-02 23:00	3.01	-8.35	-1.784	255.869	1355.552	1769.434	1852.771	12.2	20.3	21.7	22.2	23	DRY	8268.15	8299.18	8521.55	8371.05
CPC14-3	04-03 00:00	3.02	-7.72	-1.794	255.961	1355.401	1769.446	1852.685	12.2	20.3	21.5	22.6	22.7	DRY	8268.24	8299.03	8521.56	8370.97
CPC14-3	04-03 01:00	3.01	-7.6	-1.685	255.785	1355.506	1769.377	1852.692	12.2	20.4	21.8	22.2	23	DRY	8268.06	8299.13	8521.49	8370.97
CPC14-3	04-03 02:00	3.01	-7.67	-1.657	255.869	1355.515	1769.341	1852.526	12.2	20.4	21.9	22.3	22.6	DRY	8268.15	8299.14	8521.45	8370.81
CPC14-3	04-03 03:00	3.02	-7.88	-1.747	255.819	1355.392	1769.346	1852.601	12.2	20.4	21.7	22.6	22.6	DRY	8268.10	8299.02	8521.46	8370.88
CPC14-3	04-03 04:00	3.01	-8.19	-1.831	255.69	1355.148	1769.293	1852.504	12.2	20.3	21.5	22.5	22.9	DRY	8267.97	8298.78	8521.41	8370.78
CPC14-3	04-03 05:00	3.02	-8.4	-1.694	255.677	1355.168	1769.218	1852.467	12.2	20.2	21.8	22.6	22.5	DRY	8267.95	8298.80	8521.33	8370.75
CPC14-3	04-03 06:00	3.01	-8.71	-1.718	255.74	1355.381	1769.252	1852.494	12.2	20.4	21.8	22.1	23.1	DRY	8268.02	8299.01	8521.36	8370.77
CPC14-3	04-03 07:00	3.02	-8.63	-1.747	255.656	1355.166	1769.103	1852.345	12.2	20.4	21.9	22.4	22.6	DRY	8267.93	8298.79	8521.22	8370.63
CPC14-3	04-03 08:00	3.02	-7.72	-1.85	255.748	1355.212	1769.142	1852.327	12.2	20.3	21.9	22.5	22.6	DRY	8268.02	8298.84	8521.25	8370.61
CPC14-3	04-03 09:00	3.02	-5.97	-1.624	255.706	1355.15	1769.03	1852.327	12.2	20.3	21.6	22.6	22.6	DRY	8267.98	8298.78	8521.14	8370.61
CPC14-3	04-03 10:00	3.02	-2.85	-1.765	255.777	1355.171	1768.986	1852.378	12.2	20.4	21.8	22.2	23.1	DRY	8268.05	8298.80	8521.10	8370.66
CPC14-3	04-03 11:00	3.03	-0.83	-1.718	255.597	1355.033	1768.893	1852.289	12.2	20.4	21.7	22.1	23.1	DRY	8267.87	8298.66	8521.01	8370.57
CPC14-3	04-03 12:00	3.03	0.94	-1.855	255.631	1354.811	1768.784	1852.177	12.2	20.5	21.5	22.1	23.2	DRY	8267.91	8298.44	8520.90	8370.46
CPC14-3	04-03 13:00	3.04	3.64	-1.864	255.623	1354.712	1768.901	1852.17	12.2	20.3	21.6	22.6	22.7	DRY	8267.90	8298.34	8521.01	8370.45
CPC14-3	04-03 14:00	3.05	6.7	-1.883	255.481	1354.9	1768.858	1852.205	12.2	20.4	21.7	22.6	22.6	DRY	8267.76	8298.53	8520.97	8370.49
CPC14-3	04-03 15:00	3.05	8.55	-1.822	255.431	1354.627	1768.872	1852.2	12.2	20.3	21.6	22.2	23.1	DRY	8267.71	8298.26	8520.98	8370.48
CPC14-3	04-03 16:00	3.04	8.5	-1.822	255.326	1354.697	1768.769	1852	12.2	20.4	21.6	22.2	23	DRY	8267.60	8298.33	8520.88	8370.28
CPC14-3	04-03 17:00	3.04	7.74	-1.954	255.447	1354.812	1768.81	1852.088	12.2	20.4	22	22.1	22.9	DRY	8267.72	8298.44	8520.92	8370.37
CPC14-3	04-03 18:00	3.04	4.13	-1.931	255.423	1354.823	1768.692	1852.085	12.2	20.3	21.6	22.2	23	DRY	8267.70	8298.45	8520.80	8370.37
CPC14-3	04-03 19:00	3.03	-1.34	-1.718	255.418	1354.748	1768.688	1851.893	12.2	20.4	21.9	22.1	22.9	DRY	8267.69	8298.38	8520.80	8370.17
CPC14-3	04-03 20:00	3.02	-5.05	-1.648	255.439	1354.578	1768.552	1851.85	12.2	20.4	21.9	22.2	23	DRY	8267.72	8298.21	8520.66	8370.13
CPC14-3	04-03 21:00	3.02	-6.65	-1.85	255.427	1354.634	1768.419	1851.911	12.2	20.4	21.9	22.1	23	DRY	8267.70	8298.26	8520.53	8370.19
CPC14-3	04-03 22:00	3.01	-6.68	-1.883	255.302	1354.408	1768.496	1851.74	12.2	20.3	21.8	22.6	22.5	DRY	8267.58	8298.04	8520.61	8370.02
CPC14-3	04-03 23:00	3.02	-6.63	-1.86	255.235	1354.572	1768.506	1851.696	12.2	20.4	21.9	22.3	22.6	DRY	8267.51	8298.20	8520.62	8369.98
CPC14-3	04-04 00:00																	

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	04-06 19:00	3.02	8.4	-2.006	253.741	1352.037	1765.878	1849.256	12.2	20.5	21.6	22.2	23.1	DRY	8266.02	8295.67	8517.99	8367.54
CPC14-3	04-06 20:00	3.02	3.98	-2.034	253.725	1352.128	1765.814	1849.164	12.2	20.4	21.9	22.1	23	DRY	8266.00	8295.76	8517.93	8367.44
CPC14-3	04-06 21:00	3.02	1.89	-2.043	253.595	1351.857	1765.753	1849.15	12.2	20.4	21.6	22.2	23.1	DRY	8265.87	8295.49	8517.87	8367.43
CPC14-3	04-06 22:00	3.02	0.21	-1.846	253.733	1351.673	1765.742	1849.14	12.2	20.5	21.8	22.1	23.1	DRY	8266.01	8295.30	8517.85	8367.42
CPC14-3	04-06 23:00	3.02	-0.64	-1.912	253.624	1351.727	1765.782	1849.045	12.2	20.4	21.5	22.6	22.8	DRY	8265.90	8295.36	8517.89	8367.33
CPC14-3	04-07 00:00	3.01	-0.9	-2.039	253.712	1351.861	1765.731	1848.955	12.2	20.4	21.9	22.1	22.9	DRY	8265.99	8295.49	8517.84	8367.24
CPC14-3	04-07 01:00	3.01	-1.27	-1.95	253.483	1351.897	1765.733	1848.82	12.2	20.3	21.6	22.6	22.6	DRY	8265.76	8295.53	8517.85	8367.10
CPC14-3	04-07 02:00	3.02	-1.75	-1.954	253.595	1351.888	1765.648	1848.97	12.2	20.3	21.9	22.5	22.6	DRY	8265.87	8295.52	8517.76	8367.25
CPC14-3	04-07 03:00	3.01	-2.95	-1.907	253.599	1351.687	1765.549	1848.897	12.2	20.4	21.5	22.3	23	DRY	8265.88	8295.32	8517.66	8367.18
CPC14-3	04-07 04:00	3.01	-3.34	-1.921	253.512	1351.618	1765.636	1848.737	12.2	20.4	21.4	22.6	22.9	DRY	8265.79	8295.25	8517.75	8367.02
CPC14-3	04-07 05:00	3.01	-4.38	-1.893	253.466	1351.735	1765.56	1848.901	12.2	20.4	21.5	22.7	22.7	DRY	8265.74	8295.36	8517.67	8367.18
CPC14-3	04-07 06:00	3.01	-5.25	-1.855	253.508	1351.663	1765.464	1848.699	12.2	20.3	22	22.2	22.7	DRY	8265.78	8295.29	8517.58	8366.98
CPC14-3	04-07 07:00	3.01	-4.77	-2.143	253.624	1351.774	1765.533	1848.59	12.2	20.4	21.6	22.6	22.7	DRY	8265.90	8295.40	8517.65	8366.87
CPC14-3	04-07 08:00	3.01	-3.59	-1.789	253.537	1351.677	1765.514	1848.754	12.2	20.3	21.9	22.5	22.5	DRY	8265.81	8295.31	8517.63	8367.03
CPC14-3	04-07 09:00	3.01	0.26	-1.893	253.428	1351.525	1765.412	1848.706	12.2	20.4	21.5	22.4	23	DRY	8265.70	8295.15	8517.52	8366.99
CPC14-3	04-07 10:00	3.02	4.2	-2.011	253.67	1351.449	1765.238	1848.476	12.2	20.4	21.8	22.1	23.1	DRY	8265.95	8295.08	8517.35	8366.76
CPC14-3	04-07 11:00	3.03	7.44	-1.879	253.541	1351.38	1765.256	1848.595	12.2	20.5	21.7	22.1	23.1	DRY	8265.82	8295.01	8517.37	8366.88
CPC14-3	04-07 12:00	3.03	10.64	-1.765	253.278	1351.475	1765.144	1848.47	12.2	20.3	22	22.1	22.8	DRY	8265.55	8295.10	8517.26	8366.75
CPC14-3	04-07 13:00	3.03	12.94	-1.968	253.358	1351.349	1765.155	1848.45	12.2	20.4	21.6	22.6	22.8	DRY	8265.63	8294.98	8517.27	8366.73
CPC14-3	04-07 14:00	3.04	15.21	-1.921	253.286	1351.226	1765.07	1848.322	12.2	20.4	21.8	22.1	23	DRY	8265.56	8294.85	8517.18	8366.60
CPC14-3	04-07 15:00	3.03	16.66	-1.897	253.131	1351.323	1765.175	1848.377	12.2	20.5	21.6	22.2	23.1	DRY	8265.41	8294.95	8517.29	8366.66
CPC14-3	04-07 16:00	3.03	16.5	-1.973	253.182	1351.414	1765.039	1848.241	12.2	20.3	21.8	22.5	22.6	DRY	8265.46	8295.04	8517.15	8366.52
CPC14-3	04-07 17:00	3.03	14.34	-2.025	253.181	1350.978	1765.103	1848.425	12.2	20.5	21.5	22.2	23.2	DRY	8265.46	8294.61	8517.22	8366.71
CPC14-3	04-07 18:00	3.03	10.19	-1.902	253.186	1351.23	1765.047	1848.203	12.2	20.4	21.8	22.1	23	DRY	8265.46	8294.86	8517.16	8366.48
CPC14-3	04-07 19:00	3.02	6.38	-1.855	253.29	1351.123	1764.904	1848.227	12.2	20.5	21.5	22.5	23	DRY	8265.57	8294.75	8517.02	8366.51
CPC14-3	04-07 20:00	3.02	2.59	-1.855	253.24	1351.257	1765.061	1848.2	12.2	20.3	21.9	22.6	22.5	DRY	8265.52	8294.89	8517.17	8366.48
CPC14-3	04-07 21:00	3.01	0.72	-1.925	253.106	1351.253	1764.947	1848.278	12.2	20.5	21.6	22.1	23.2	DRY	8265.38	8294.88	8517.06	8366.56
CPC14-3	04-07 22:00	3.02	-0.42	-1.638	253.144	1351.048	1765.021	1848.144	12.2	20.4	21.5	22.6	22.9	DRY	8265.42	8294.68	8517.13	8366.42
CPC14-3	04-07 23:00	3.01	-0.81	-1.963	253.069	1351.07	1764.899	1848.165	12.2	20.4	21.5	22.5	22.9	DRY	8265.35	8294.70	8517.01	8366.45
CPC14-3	04-08 00:00	3.01	-1.17	-1.968	253.115	1351.173	1764.861	1848.117	12.2	20.3	21.9	22.1	22.7	DRY	8265.39	8294.80	8516.97	8366.40
CPC14-3	04-08 01:00	3.01	-1.44	-1.883	253.177	1350.994	1764.745	1848.117	12.2	20.4	21.6	22.2	23	DRY	8265.45	8294.62	8516.86	8366.40
CPC14-3	04-08 02:00	3.01	-1.58	-1.836	252.872	1350.93	1764.831	1848.127	12.2	20.4	21.5	22.4	23.2	DRY	8265.15	8294.56	8516.94	8366.41
CPC14-3	04-08 03:00	3.01	-2.14	-1.869	252.99	1350.967	1764.742	1847.997	12.2	20.4	21.9	22.2	22.9	DRY	8265.27	8294.60	8516.85	8366.28
CPC14-3	04-08 04:00	3.01	-3.07	-1.963	252.973	1350.929	1764.709	1847.954	12.2	20.3	21.7	22.6	22.6	DRY	8265.25	8294.56	8516.82	8366.23
CPC14-3	04-08 05:00	3	-3.76	-1.869	252.99	1350.783	1764.723	1848.017	12.2	20.4	21.8	22.1	23.1	DRY	8265.27	8294.41	8516.84	8366.30
CPC14-3	04-08 06:00	3	-3.88	-2.029	253.094	1350.887	1764.698	1847.912	12.2	20.3	22.1	22.1	22.7	DR				

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	04-11 02:00	2.99	-3.91	-1.789	251.489	1348.777	1762.458	1845.667	12.2	20.4	21.5	22.6	23	DRY	8263.77	8292.41	8514.57	8363.95
CPC14-3	04-11 03:00	2.99	-4.11	-1.827	251.72	1348.679	1762.423	1845.6	12.3	20.3	21.8	22.6	22.6	DRY	8264.00	8292.31	8514.54	8363.88
CPC14-3	04-11 04:00	2.99	-4.01	-1.893	251.502	1348.544	1762.432	1845.51	12.2	20.4	21.5	22.6	22.9	DRY	8263.78	8292.17	8514.54	8363.79
CPC14-3	04-11 05:00	2.99	-4.11	-1.808	251.54	1348.973	1762.275	1845.527	12.2	20.4	21.9	22.1	22.7	DRY	8263.82	8292.60	8514.39	8363.81
CPC14-3	04-11 06:00	2.99	-3.96	-2.039	251.598	1348.707	1762.234	1845.537	12.2	20.5	21.5	22.2	23.1	DRY	8263.87	8292.34	8514.35	8363.82
CPC14-3	04-11 07:00	2.99	-3.27	-1.925	251.518	1348.679	1762.089	1845.537	12.2	20.5	21.8	22.1	23	DRY	8263.79	8292.31	8514.20	8363.82
CPC14-3	04-11 08:00	3	1.6	-1.789	251.561	1348.54	1762.287	1845.486	12.2	20.4	21.5	22.5	23	DRY	8263.84	8292.17	8514.40	8363.77
CPC14-3	04-11 09:00	3	7.98	-1.903	251.481	1348.562	1762.136	1845.294	12.3	20.5	21.5	22.2	23	DRY	8263.76	8292.19	8514.25	8363.57
CPC14-3	04-11 10:00	3.01	10.67	-1.898	251.318	1348.592	1762.059	1845.143	12.3	20.5	21.6	22.2	23	DRY	8263.59	8292.22	8514.17	8363.42
CPC14-3	04-11 11:00	3.01	12	-1.69	251.363	1348.478	1762.059	1845.231	12.3	20.5	21.6	22.2	23.1	DRY	8263.64	8292.11	8514.17	8363.51
CPC14-3	04-11 12:00	3.02	13.11	-1.874	251.464	1348.54	1762.011	1845.201	12.3	20.5	21.5	22.5	23	DRY	8263.74	8292.17	8514.12	8363.48
CPC14-3	04-11 13:00	3.01	12.76	-1.954	251.393	1348.254	1762.091	1845.074	12.3	20.4	21.6	22.6	22.7	DRY	8263.67	8291.88	8514.20	8363.35
CPC14-3	04-11 14:00	3.01	11.7	-1.837	251.422	1348.351	1761.972	1845.067	12.3	20.4	21.5	22.3	23.1	DRY	8263.70	8291.98	8514.08	8363.35
CPC14-3	04-11 15:00	3	9.99	-1.898	251.255	1348.292	1761.935	1845.085	12.3	20.4	21.9	22.2	22.7	DRY	8263.53	8291.92	8514.05	8363.37
CPC14-3	04-11 16:00	3.01	9.84	-1.846	251.226	1348.206	1762.05	1845.146	12.3	20.4	21.6	22.6	22.7	DRY	8263.50	8291.83	8514.16	8363.43
CPC14-3	04-11 17:00	3	9.17	-1.954	251.264	1348.245	1761.881	1845.153	12.3	20.3	21.7	22.6	22.7	DRY	8263.54	8291.87	8513.99	8363.43
CPC14-3	04-11 18:00	3.01	7.98	-1.87	251.285	1348.314	1761.863	1845.031	12.3	20.4	21.9	22.3	22.6	DRY	8263.56	8291.94	8513.98	8363.31
CPC14-3	04-11 19:00	3.01	5.67	-1.969	251.109	1348.175	1761.835	1845.235	12.3	20.4	21.6	22.6	23	DRY	8263.39	8291.80	8513.95	8363.52
CPC14-3	04-11 20:00	3	2.03	-1.949	250.995	1348.157	1761.767	1845.132	12.3	20.5	21.7	22.1	22.9	DRY	8263.27	8291.79	8513.88	8363.41
CPC14-3	04-11 21:00	3	0.51	-1.855	251.171	1348.044	1761.705	1845.129	12.3	20.5	21.5	22.2	23	DRY	8263.45	8291.67	8513.82	8363.41
CPC14-3	04-11 22:00	2.99	-0.66	-1.817	251.301	1348.021	1761.658	1845.094	12.3	20.5	21.6	22.1	23.1	DRY	8263.58	8291.65	8513.77	8363.37
CPC14-3	04-11 23:00	2.99	-0.9	-1.959	250.971	1348.119	1761.665	1845.022	12.3	20.5	21.5	22.2	23.1	DRY	8263.25	8291.75	8513.78	8363.30
CPC14-3	04-12 00:00	2.99	-1.46	-1.945	251.005	1347.946	1761.766	1844.798	12.3	20.3	21.8	22.6	22.6	DRY	8263.28	8291.57	8513.88	8363.08
CPC14-3	04-12 01:00	2.99	-2.56	-1.969	250.979	1348.029	1761.717	1844.921	12.3	20.3	21.9	22.4	22.5	DRY	8263.26	8291.66	8513.83	8363.20
CPC14-3	04-12 02:00	2.99	-2.8	-2.011	250.992	1347.894	1761.63	1844.995	12.3	20.4	21.6	22.3	23	DRY	8263.27	8291.52	8513.74	8363.28
CPC14-3	04-12 03:00	2.99	-2.9	-2.105	250.971	1347.854	1761.567	1844.878	12.3	20.4	21.9	22.2	22.9	DRY	8263.25	8291.48	8513.68	8363.16
CPC14-3	04-12 04:00	2.99	-3.05	-1.964	250.959	1347.889	1761.568	1844.773	12.3	20.3	21.9	22.6	22.5	DRY	8263.24	8291.52	8513.68	8363.05
CPC14-3	04-12 05:00	2.99	-3.34	-2.006	251.084	1347.893	1761.578	1844.718	12.3	20.3	21.9	22.5	22.5	DRY	8263.36	8291.52	8513.69	8363.00
CPC14-3	04-12 06:00	2.99	-3.59	-1.978	251.143	1347.881	1761.548	1844.564	12.3	20.3	21.7	22.6	22.6	DRY	8263.42	8291.51	8513.66	8362.84
CPC14-3	04-12 07:00	2.98	-2.58	-2.139	250.938	1347.937	1761.512	1844.581	12.3	20.3	21.9	22.5	22.6	DRY	8263.21	8291.57	8513.62	8362.86
CPC14-3	04-12 08:00	2.99	2.06	-2.134	250.833	1347.752	1761.471	1844.635	12.3	20.4	21.8	22.1	23	DRY	8263.11	8291.38	8513.58	8362.92
CPC14-3	04-12 09:00	2.99	7.17	-2.044	250.892	1347.592	1761.344	1844.596	12.3	20.5	21.5	22.2	23.1	DRY	8263.17	8291.22	8513.46	8362.88
CPC14-3	04-12 10:00	3	9.4	-2.025	250.962	1347.52	1761.234	1844.535	12.3	20.5	21.8	22.2	23	DRY	8263.24	8291.15	8513.35	8362.82
CPC14-3	04-12 11:00	3.01	11.55	-2.058	250.929	1347.752	1761.204	1844.437	12.3	20.3	21.8	22.5	22.6	DRY	8263.21	8291.38	8513.32	8362.72
CPC14-3	04-12 12:00	3.01	11.7	-1.959	250.812	1347.59	1761.325	1844.495	12.3	20.4	21.9	22.5	22.6	DRY	8263.09	8291.22	8513.44	8362.78
CPC14-3	04-12 13:00	3.01	11.62	-1.926	250.733	1347.393	1761.306	1844.405	12.3	20.4	21.6	22.6	22.8	DRY	8263.01	8291.02	8513.42	8362.69
CPC14-3	04-12 14:00	3.01																

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	04-15 09:00	2.99	4.25	-2.134	249.561	1345.824	1759.182	1842.41	12.3	20.3	21.9	22.5	22.6	DRY	8261.84	8289.45	8511.29	8360.69
CPC14-3	04-15 10:00	2.99	5.77	-2.063	249.616	1345.846	1759.205	1842.303	12.3	20.4	21.9	22.1	22.7	DRY	8261.89	8289.47	8511.32	8360.58
CPC14-3	04-15 11:00	2.99	7.09	-1.973	249.427	1345.741	1759.226	1842.19	12.3	20.4	21.9	22.3	22.6	DRY	8261.70	8289.37	8511.34	8360.47
CPC14-3	04-15 12:00	3	7.93	-2.058	249.586	1345.627	1759.132	1842.261	12.3	20.5	21.6	22.2	23	DRY	8261.86	8289.26	8511.24	8360.54
CPC14-3	04-15 13:00	3	8.06	-2.341	249.444	1345.776	1759.04	1842.327	12.3	20.4	21.9	22.4	22.6	DRY	8261.72	8289.40	8511.15	8360.61
CPC14-3	04-15 14:00	3	8.75	-2.02	249.591	1345.696	1759.1	1842.244	12.3	20.4	21.9	22.2	22.7	DRY	8261.87	8289.32	8511.21	8360.52
CPC14-3	04-15 15:00	3	9.37	-1.931	249.405	1345.641	1759.163	1842.223	12.3	20.5	21.6	22.3	23	DRY	8261.68	8289.27	8511.28	8360.50
CPC14-3	04-15 16:00	3	9.27	-2.317	249.532	1345.667	1759.106	1842.045	12.3	20.4	21.6	22.6	22.8	DRY	8261.81	8289.30	8511.22	8360.33
CPC14-3	04-15 17:00	3	9.3	-2.114	249.435	1345.644	1759.009	1842.103	12.3	20.5	21.9	22.1	22.7	DRY	8261.71	8289.27	8511.12	8360.38
CPC14-3	04-15 18:00	3	7.41	-2.114	249.556	1345.406	1758.917	1842.186	12.3	20.5	21.8	22.1	22.8	DRY	8261.83	8289.03	8511.03	8360.47
CPC14-3	04-15 19:00	2.99	2.98	-2.143	249.607	1345.666	1758.908	1841.953	12.3	20.4	21.9	22.2	22.6	DRY	8261.88	8289.29	8511.02	8360.23
CPC14-3	04-15 20:00	2.99	-1.07	-2.134	249.339	1345.39	1758.989	1842.003	12.3	20.3	21.6	22.6	22.8	DRY	8261.62	8289.02	8511.10	8360.28
CPC14-3	04-15 21:00	2.98	-2.68	-2.114	249.385	1345.391	1758.887	1841.979	12.3	20.5	21.5	22.4	23	DRY	8261.66	8289.02	8511.00	8360.26
CPC14-3	04-15 22:00	2.98	-3.71	-2.134	249.502	1345.297	1758.803	1842.033	12.3	20.5	21.6	22.3	23.1	DRY	8261.78	8288.93	8510.92	8360.31
CPC14-3	04-15 23:00	2.98	-4.33	-2.119	249.306	1345.258	1758.879	1841.846	12.3	20.3	21.7	22.6	22.6	DRY	8261.58	8288.89	8510.99	8360.13
CPC14-3	04-16 00:00	2.97	-5.35	-2.119	249.264	1345.314	1758.893	1842.008	12.3	20.3	21.8	22.6	22.6	DRY	8261.54	8288.94	8511.01	8360.29
CPC14-3	04-16 01:00	2.97	-5.72	-2.002	249.339	1345.235	1758.684	1841.956	12.3	20.5	21.9	22.1	22.8	DRY	8261.62	8288.86	8510.80	8360.24
CPC14-3	04-16 02:00	2.97	-6.27	-2.105	249.193	1345.233	1758.795	1842.037	12.3	20.4	21.5	22.4	23.1	DRY	8261.47	8288.86	8510.91	8360.32
CPC14-3	04-16 03:00	2.97	-6.1	-1.987	249.297	1345.39	1758.707	1842.071	12.3	20.5	21.6	22.1	23.1	DRY	8261.57	8289.02	8510.82	8360.35
CPC14-3	04-16 04:00	2.97	-5.67	-2.185	249.092	1345.349	1758.71	1842.051	12.3	20.5	21.9	22.1	22.9	DRY	8261.37	8288.98	8510.82	8360.33
CPC14-3	04-16 05:00	2.98	-4.95	-2.171	249.352	1345.145	1758.797	1842.047	12.3	20.5	21.5	22.3	23.2	DRY	8261.63	8288.77	8510.91	8360.33
CPC14-3	04-16 06:00	2.98	-5.17	-2.114	249.323	1345.362	1758.662	1841.853	12.3	20.3	22	22.3	22.6	DRY	8261.60	8288.99	8510.77	8360.13
CPC14-3	04-16 07:00	2.98	-4.62	-2.03	249.23	1345.302	1758.557	1841.804	12.3	20.5	21.7	22.1	23	DRY	8261.51	8288.93	8510.67	8360.08
CPC14-3	04-16 08:00	2.98	-2.88	-2.034	249.113	1345.187	1758.494	1841.817	12.3	20.5	21.8	22.1	23.1	DRY	8261.39	8288.82	8510.61	8360.10
CPC14-3	04-16 09:00	2.98	0.04	-2.058	249.104	1344.991	1758.593	1841.731	12.3	20.5	21.5	22.4	23.1	DRY	8261.38	8288.62	8510.71	8360.01
CPC14-3	04-16 10:00	2.99	1.31	-2.072	249.289	1345.086	1758.555	1841.649	12.3	20.4	21.6	22.5	22.7	DRY	8261.57	8288.71	8510.67	8359.93
CPC14-3	04-16 11:00	2.98	-1.56	-2.157	249.206	1345.169	1758.591	1841.67	12.3	20.3	21.9	22.6	22.5	DRY	8261.48	8288.80	8510.70	8359.95
CPC14-3	04-16 12:00	2.98	-1.15	-2.185	249.146	1345.087	1758.344	1841.553	12.3	20.5	21.7	22.1	23	DRY	8261.42	8288.72	8510.46	8359.83
CPC14-3	04-16 13:00	2.98	-0.95	-2.35	249.18	1344.998	1758.52	1841.694	12.3	20.3	21.9	22.5	22.6	DRY	8261.46	8288.63	8510.63	8359.97
CPC14-3	04-16 14:00	2.99	0.17	-2.105	249.147	1345.199	1758.536	1841.681	12.3	20.4	21.8	22.6	22.6	DRY	8261.42	8288.83	8510.65	8359.96
CPC14-3	04-16 15:00	2.99	1.18	-2.016	249.139	1344.901	1758.542	1841.628	12.3	20.3	21.6	22.6	22.7	DRY	8261.42	8288.53	8510.65	8359.91
CPC14-3	04-16 16:00	2.98	0.63	-2.19	249.171	1344.906	1758.304	1841.649	12.3	20.5	21.7	22.1	23	DRY	8261.45	8288.53	8510.42	8359.93
CPC14-3	04-16 17:00	2.99	-1.1	-2.086	249.121	1344.831	1758.278	1841.553	12.3	20.5	21.8	22.1	23	DRY	8261.40	8288.46	8510.39	8359.83
CPC14-3	04-16 18:00	2.99	-1.49	-2.317	249.175	1344.771	1758.263	1841.545	12.3	20.5	21.5	22.2	23.1	DRY	8261.45	8288.40	8510.38	8359.83
CPC14-3	04-16 19:00	2.98	-2.56	-2.148	249.125	1344.718	1758.286	1841.467	12.3	20.4	21.5	22.5	23	DRY	8261.40	8288.35	8510.40	8359.75
CPC14-3	04-16 20:00	2.98	-3.17	-2.091	249.159	1345.082	1758.327	1841.429	12.3	20.3	21.6	22.7	22.8	DRY	8261.44	8288.71	8510.44	8359.71
CPC14-3	04-16 21:00	2.98	-															

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	04-19 16:00	2.98	1.6	-2.284	248.065	1343.019	1756.156	1839.514	12.3	20.5	21.6	22.3	23	DRY	8260.34	8286.65	8508.27	8357.79
CPC14-3	04-19 17:00	2.98	-0.95	-2.402	248.029	1342.953	1756.275	1839.5	12.3	20.3	21.7	22.6	22.9	DRY	8260.31	8286.58	8508.39	8357.78
CPC14-3	04-19 18:00	2.98	-0.85	-2.478	247.902	1342.891	1756.145	1839.462	12.3	20.5	21.6	22.2	23	DRY	8260.18	8286.52	8508.26	8357.74
CPC14-3	04-19 19:00	2.97	-2.49	-2.525	247.743	1342.904	1756.224	1839.4	12.3	20.5	21.7	22.1	22.9	DRY	8260.02	8286.53	8508.34	8357.68
CPC14-3	04-19 20:00	2.97	-3.47	-2.426	247.894	1342.843	1756.158	1839.479	12.3	20.5	21.6	22.1	23.1	DRY	8260.17	8286.47	8508.27	8357.76
CPC14-3	04-19 21:00	2.97	-4.13	-2.572	247.936	1342.791	1756.121	1839.358	12.3	20.4	21.5	22.5	22.9	DRY	8260.21	8286.42	8508.23	8357.64
CPC14-3	04-19 22:00	2.97	-4.3	-2.601	247.865	1343.009	1756.14	1839.181	12.3	20.3	21.9	22.6	22.6	DRY	8260.14	8286.64	8508.25	8357.46
CPC14-3	04-19 23:00	2.97	-4.62	-2.237	247.798	1342.75	1755.912	1839.255	12.3	20.4	21.6	22.2	23	DRY	8260.07	8286.38	8508.02	8357.54
CPC14-3	04-20 00:00	2.97	-4.92	-2.506	248.024	1342.85	1755.907	1839.27	12.3	20.5	21.9	22.1	22.8	DRY	8260.30	8286.48	8508.02	8357.55
CPC14-3	04-20 01:00	2.96	-5.17	-2.256	247.881	1342.78	1755.965	1839.136	12.3	20.4	21.9	22.3	22.6	DRY	8260.16	8286.41	8508.08	8357.42
CPC14-3	04-20 02:00	2.97	-5.42	-2.369	247.898	1342.669	1755.973	1839.132	12.3	20.3	21.9	22.5	22.6	DRY	8260.17	8286.30	8508.09	8357.41
CPC14-3	04-20 03:00	2.96	-5.6	-2.478	247.844	1342.674	1755.898	1839.046	12.3	20.5	21.8	22.1	22.7	DRY	8260.12	8286.30	8508.01	8357.33
CPC14-3	04-20 04:00	2.96	-6.58	-2.374	247.826	1342.71	1755.927	1839.069	12.3	20.5	21.6	22.1	23	DRY	8260.10	8286.34	8508.04	8357.35
CPC14-3	04-20 05:00	2.96	-7.26	-2.515	247.81	1342.587	1755.918	1839.044	12.3	20.5	21.6	22.1	23.1	DRY	8260.09	8286.22	8508.03	8357.32
CPC14-3	04-20 06:00	2.96	-7.11	-2.445	247.722	1342.688	1756.041	1838.987	12.3	20.3	21.7	22.6	22.7	DRY	8260.00	8286.32	8508.15	8357.27
CPC14-3	04-20 07:00	2.96	-7.52	-2.327	247.584	1342.634	1755.888	1838.936	12.3	20.4	21.9	22.4	22.6	DRY	8259.86	8286.26	8508.00	8357.22
CPC14-3	04-20 08:00	2.96	-3.54	-2.204	247.579	1342.538	1755.812	1839.014	12.3	20.5	21.8	22.1	23	DRY	8259.86	8286.17	8507.92	8357.22
CPC14-3	04-20 09:00	2.97	1.91	-2.332	247.491	1342.398	1755.632	1838.896	12.3	20.5	21.6	22.1	23.1	DRY	8259.77	8286.03	8507.74	8357.18
CPC14-3	04-20 10:00	2.98	5.91	-2.449	247.71	1342.427	1755.741	1838.901	12.3	20.3	21.8	22.6	22.6	DRY	8259.99	8286.06	8507.85	8357.18
CPC14-3	04-20 11:00	2.98	7.71	-2.52	247.643	1342.41	1755.683	1838.808	12.3	20.4	21.9	22.6	22.6	DRY	8259.92	8286.04	8507.80	8357.09
CPC14-3	04-20 12:00	2.98	8.01	-2.553	247.613	1342.533	1755.611	1838.867	12.3	20.4	21.8	22.6	22.6	DRY	8259.89	8286.16	8507.72	8357.15
CPC14-3	04-20 13:00	2.99	9.97	-2.374	247.526	1342.536	1755.666	1838.829	12.3	20.3	22	22.6	22.5	DRY	8259.80	8286.16	8507.78	8357.11
CPC14-3	04-20 14:00	2.99	8.13	-2.402	247.495	1342.309	1755.592	1838.8	12.3	20.5	21.8	22.1	22.9	DRY	8259.77	8285.94	8507.70	8357.08
CPC14-3	04-20 15:00	2.98	7.76	-2.478	247.572	1342.387	1755.664	1838.88	12.3	20.3	22	22.5	22.5	DRY	8259.85	8286.02	8507.78	8357.16
CPC14-3	04-20 16:00	2.98	5.5	-2.558	247.495	1342.287	1755.541	1838.742	12.3	20.5	21.6	22.1	23	DRY	8259.77	8285.92	8507.65	8357.02
CPC14-3	04-20 17:00	2.98	6.53	-2.464	247.395	1342.222	1755.623	1838.727	12.3	20.5	21.5	22.2	23.1	DRY	8259.67	8285.85	8507.74	8357.01
CPC14-3	04-20 18:00	2.98	3.69	-2.421	247.555	1342.476	1755.608	1838.69	12.3	20.3	21.9	22.6	22.7	DRY	8259.83	8286.10	8507.72	8356.97
CPC14-3	04-20 19:00	2.98	0.94	-2.619	247.508	1342.319	1755.52	1838.656	12.3	20.5	21.7	22.1	22.9	DRY	8259.78	8285.95	8507.63	8356.94
CPC14-3	04-20 20:00	2.97	-1.63	-2.35	247.516	1342.396	1755.497	1838.764	12.3	20.5	22	22.3	22.5	DRY	8259.79	8286.02	8507.61	8357.04
CPC14-3	04-20 21:00	2.97	-3.61	-2.459	247.47	1342.343	1755.419	1838.546	12.3	20.5	21.9	22.1	22.6	DRY	8259.75	8285.97	8507.53	8356.83
CPC14-3	04-20 22:00	2.96	-5	-2.52	247.538	1342.235	1755.429	1838.651	12.3	20.5	21.5	22.2	23.1	DRY	8259.81	8285.86	8507.54	8356.93
CPC14-3	04-20 23:00	2.96	-5.9	-2.398	247.404	1342.156	1755.553	1838.653	12.3	20.4	21.7	22.6	22.7	DRY	8259.68	8285.78	8507.67	8356.93
CPC14-3	04-21 00:00	2.96	-6.91	-2.261	247.349	1342.093	1755.346	1838.679	12.3	20.5	21.6	22.2	23	DRY	8259.63	8285.72	8507.46	8356.96
CPC14-3	04-21 01:00	2.95	-7.31	-2.624	247.429	1342.282	1755.484	1838.491	12.3	20.3	21.8	22.6	22.6	DRY	8259.71	8285.91	8507.60	8356.77
CPC14-3	04-21 02:00	2.96	-7.26	-2.605	247.328	1342.25	1755.169	1838.556	12.3	20.4	22	22.2	22.6	DRY	8259.60	8285.88	8507.28	8356.84
CPC14-3	04-21 03:00	2.96	-6.73	-2.511	247.558	1341.913	1755.321	1838.545	12.3	20.5	21.6	22.1	23	DRY	8259.83	8285.54	8507.43	8356.83
CPC14-3	04-21 04:00	2.96																

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	04-23 23:00	2.96	-2.17	-2.435	246.72	1340.722	1753.704	1836.817	12.3	20.5	21.8	22.1	22.8	DRY	8259.00	8284.35	8505.82	8355.10
CPC14-3	04-24 00:00	2.96	-2.46	-2.567	246.628	1340.672	1753.777	1836.793	12.3	20.4	22	22.3	22.5	DRY	8258.90	8284.30	8505.89	8355.07
CPC14-3	04-24 01:00	2.96	-1.83	-2.515	246.544	1340.244	1753.693	1836.863	12.3	20.4	21.4	22.5	23.1	DRY	8258.82	8283.87	8505.81	8355.14
CPC14-3	04-24 02:00	2.96	-2.73	-2.464	246.716	1340.663	1753.676	1836.752	12.3	20.4	22	22.3	22.5	DRY	8258.99	8284.29	8505.79	8355.03
CPC14-3	04-24 03:00	2.96	-3.71	-2.666	246.624	1340.318	1753.568	1836.915	12.3	20.5	21.5	22.1	23.1	DRY	8258.90	8283.95	8505.68	8355.20
CPC14-3	04-24 04:00	2.96	-3.56	-2.398	246.582	1340.466	1753.607	1836.903	12.3	20.3	21.9	22.6	22.5	DRY	8258.86	8284.09	8505.72	8355.18
CPC14-3	04-24 05:00	2.96	-3.42	-2.558	246.409	1340.265	1753.514	1836.809	12.3	20.6	21.6	21.9	23.1	DRY	8258.69	8283.89	8505.63	8355.09
CPC14-3	04-24 06:00	2.96	-3.25	-2.388	246.276	1340.301	1753.598	1836.781	12.3	20.4	21.5	22.6	23	DRY	8258.55	8283.93	8505.71	8355.06
CPC14-3	04-24 07:00	2.96	-3.12	-2.544	246.548	1340.554	1753.504	1836.774	12.3	20.5	21.8	22.1	22.9	DRY	8258.82	8284.18	8505.62	8355.05
CPC14-3	04-24 08:00	2.96	0.82	-2.577	246.456	1340.58	1753.498	1836.665	12.3	20.4	22	22.5	22.5	DRY	8258.73	8284.21	8505.61	8354.95
CPC14-3	04-24 09:00	2.97	5.28	-2.497	246.481	1340.325	1753.53	1836.779	12.4	20.4	21.9	22.5	22.6	DRY	8258.76	8283.95	8505.64	8355.06
CPC14-3	04-24 10:00	2.97	8.82	-2.544	246.502	1340.463	1753.571	1836.72	12.3	20.5	21.6	22.1	22.8	DRY	8258.78	8284.09	8505.68	8355.00
CPC14-3	04-24 11:00	2.96	11.55	-2.506	246.64	1340.428	1753.502	1836.668	12.3	20.5	21.6	22.3	23	DRY	8258.92	8284.06	8505.61	8354.95
CPC14-3	04-24 12:00	2.95	11.04	-2.384	246.607	1340.325	1753.516	1836.561	12.4	20.5	21.8	22.1	22.7	DRY	8258.88	8283.95	8505.63	8354.84
CPC14-3	04-24 13:00	2.98	9.42	-2.521	246.527	1340.159	1753.581	1836.481	12.4	20.4	21.7	22.6	22.9	DRY	8258.80	8283.79	8505.69	8354.76
CPC14-3	04-24 14:00	2.97	6.09	-2.633	246.318	1340.316	1753.422	1836.465	12.4	20.3	21.9	22.6	22.5	DRY	8258.59	8283.94	8505.53	8354.75
CPC14-3	04-24 15:00	2.97	2.79	-2.45	246.435	1340.179	1753.493	1836.475	12.4	20.4	22	22.5	22.5	DRY	8258.71	8283.81	8505.61	8354.76
CPC14-3	04-24 16:00	2.97	2.13	-2.615	246.296	1340.049	1753.273	1836.483	12.4	20.5	21.5	22	23.1	DRY	8258.57	8283.68	8505.39	8354.76
CPC14-3	04-24 17:00	2.96	5.35	-2.516	246.171	1340.139	1753.402	1836.493	12.4	20.3	21.9	22.6	22.6	DRY	8258.45	8283.77	8505.51	8354.77
CPC14-3	04-24 18:00	2.97	1.33	-2.422	246.322	1340.202	1753.436	1836.527	12.4	20.4	21.9	22.6	22.5	DRY	8258.60	8283.83	8505.55	8354.81
CPC14-3	04-24 19:00	2.96	-0.56	-2.422	246.2	1340.105	1753.48	1836.451	12.4	20.4	21.8	22.6	22.7	DRY	8258.48	8283.73	8505.59	8354.73
CPC14-3	04-24 20:00	2.96	-1.97	-2.544	246.351	1340.138	1753.305	1836.435	12.4	20.5	21.5	22.3	23.1	DRY	8258.63	8283.77	8505.42	8354.72
CPC14-3	04-24 21:00	2.96	-2.58	-2.572	246.225	1339.876	1753.137	1836.47	12.3	20.5	21.6	22.1	23.1	DRY	8258.50	8283.50	8505.25	8354.75
CPC14-3	04-24 22:00	2.96	-2.98	-2.591	246.217	1340.066	1753.243	1836.492	12.3	20.4	21.7	22.6	22.7	DRY	8258.49	8283.69	8505.36	8354.77
CPC14-3	04-24 23:00	2.96	-3.42	-2.591	246.209	1340.109	1753.136	1836.485	12.3	20.4	21.8	22.5	22.8	DRY	8258.49	8283.74	8505.25	8354.77
CPC14-3	04-25 00:00	2.95	-3.81	-2.553	246.322	1340.183	1753.142	1836.31	12.3	20.4	22	22.5	22.5	DRY	8258.60	8283.81	8505.25	8354.59
CPC14-3	04-25 01:00	2.95	-4.13	-2.666	246.271	1340.253	1753.242	1836.268	12.3	20.4	22	22.4	22.5	DRY	8258.55	8283.88	8505.35	8354.55
CPC14-3	04-25 02:00	2.96	-4.45	-2.629	246.304	1340.032	1753.08	1836.301	12.3	20.5	21.5	22.2	23.2	DRY	8258.58	8283.66	8505.19	8354.58
CPC14-3	04-25 03:00	2.95	-4.75	-2.572	246.075	1339.876	1753.173	1836.305	12.3	20.4	21.6	22.6	23	DRY	8258.35	8283.50	8505.29	8354.59
CPC14-3	04-25 04:00	2.95	-4.85	-2.345	246.267	1340.104	1753.08	1836.281	12.3	20.5	21.9	22.2	22.5	DRY	8258.54	8283.73	8505.19	8354.56
CPC14-3	04-25 05:00	2.96	-4.8	-2.606	246.179	1340.074	1753.202	1836.26	12.4	20.3	21.8	22.6	22.7	DRY	8258.46	8283.70	8505.31	8354.54
CPC14-3	04-25 06:00	2.95	-4.5	-2.7	246.238	1339.891	1753.055	1836.181	12.4	20.5	22	22.2	22.5	DRY	8258.51	8283.52	8505.17	8354.46
CPC14-3	04-25 07:00	2.95	-3.07	-1.367	248.116	1346.158	1759.284	1840.222	12.3	20.5	22.1	22.3	22.5	DRY	8260.39	8289.79	8511.40	8358.50
CPC14-3	04-25 08:00	2.95	1.35	-1.289	248.185	1345.939	1759.489	1840.208	12.4	20.3	21.8	22.6	22.6	DRY	8260.46	8289.57	8511.60	8358.49
CPC14-3	04-25 09:00	2.96	6.06	-1.185	248.266	1346.232	1759.322	1840.138	12.4	20.4	22	22.3	22.5	DRY	8260.54	8289.86	8511.43	8358.42
CPC14-3	04-25 10:00	2.95	8.65	-1.158	248.115	1346.086	1759.252	1840.166	12.4	20.4	21.9	22.5	22.5	DRY	8260.39	8289.71	8511.36	8358.45
CPC14-3	04-25 1																	

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	04-28 06:00	2.94	-6.22	-1.181	247.41	1344.63	1757.91	1838.878	12.4	20.4	21.5	22.5	23.2	DRY	8259.69	8288.26	8510.02	8357.16
CPC14-3	04-28 07:00	2.94	-7.26	-1.214	247.428	1344.59	1757.566	1838.729	12.4	20.5	21.5	22	23	DRY	8259.70	8288.22	8509.68	8357.01
CPC14-3	04-28 08:00	2.95	-1.97	-1.114	247.422	1344.598	1757.857	1838.724	12.4	20.3	21.9	22.6	22.6	DRY	8259.70	8288.23	8509.97	8357.00
CPC14-3	04-28 09:00	2.96	4.4	-1.251	247.393	1344.405	1757.716	1838.812	12.4	20.4	21.5	22.3	23	DRY	8259.67	8288.03	8509.83	8357.09
CPC14-3	04-28 10:00	2.96	8.63	-1.228	247.461	1344.526	1757.768	1838.718	12.4	20.4	21.8	22.5	22.6	DRY	8259.74	8288.15	8509.88	8357.00
CPC14-3	04-28 11:00	2.97	10.22	-1.27	247.365	1344.4	1757.604	1838.912	12.4	20.5	21.5	22.1	23	DRY	8259.64	8288.03	8509.72	8357.19
CPC14-3	04-28 12:00	2.96	9.5	-1.181	247.368	1344.361	1757.785	1838.784	12.4	20.4	21.5	22.5	23	DRY	8259.64	8287.99	8509.90	8357.06
CPC14-3	04-28 13:00	2.96	9.77	-1.219	247.272	1344.572	1757.71	1838.645	12.4	20.4	21.9	22.5	22.6	DRY	8259.55	8288.20	8509.82	8356.93
CPC14-3	04-28 14:00	2.96	11.27	-1.317	247.374	1344.634	1757.581	1838.517	12.4	20.5	21.9	22.1	22.6	DRY	8259.65	8288.26	8509.69	8356.80
CPC14-3	04-28 15:00	2.97	13.34	-1.242	247.416	1344.29	1757.538	1838.594	12.4	20.5	21.5	22.1	23	DRY	8259.69	8287.92	8509.65	8356.87
CPC14-3	04-28 16:00	2.97	16.56	-1.355	247.313	1344.326	1757.724	1838.611	12.4	20.3	21.6	22.6	23	DRY	8259.59	8287.95	8509.84	8356.89
CPC14-3	04-28 17:00	2.96	17.89	-1.214	247.403	1344.665	1757.352	1838.485	12.4	20.5	22	22.1	22.4	DRY	8259.68	8288.29	8509.46	8356.77
CPC14-3	04-28 18:00	2.97	15.91	-1.379	247.189	1344.634	1757.533	1838.506	12.4	20.5	21.9	22.5	22.6	DRY	8259.47	8288.26	8509.65	8356.79
CPC14-3	04-28 19:00	2.97	9.12	-1.223	247.357	1344.333	1757.384	1838.718	12.4	20.5	21.4	22.1	23.1	DRY	8259.63	8287.96	8509.50	8357.00
CPC14-3	04-28 20:00	2.96	0.99	-1.327	247.207	1344.321	1757.654	1838.486	12.4	20.3	21.5	22.6	23	DRY	8259.48	8287.95	8509.77	8356.77
CPC14-3	04-28 21:00	2.95	-1.85	-1.223	247.298	1344.334	1757.181	1838.552	12.4	20.5	21.5	22	23.1	DRY	8259.57	8287.96	8509.29	8356.83
CPC14-3	04-28 22:00	2.95	-3.12	-1.228	247.239	1344.447	1757.291	1838.448	12.4	20.5	21.8	22.1	22.7	DRY	8259.52	8288.08	8509.40	8356.73
CPC14-3	04-28 23:00	2.94	-3.66	-1.256	247.322	1344.22	1757.498	1838.662	12.4	20.4	21.5	22.5	23.1	DRY	8259.60	8287.85	8509.61	8356.94
CPC14-3	04-29 00:00	2.95	-3.66	-1.209	247.229	1344.429	1757.593	1838.351	12.4	20.3	21.8	22.6	22.6	DRY	8259.51	8288.06	8509.71	8356.63
CPC14-3	04-29 01:00	2.94	-3.81	-1.284	247.277	1344.272	1757.224	1838.569	12.4	20.5	21.5	22	23	DRY	8259.55	8287.90	8509.34	8356.85
CPC14-3	04-29 02:00	2.95	-3.1	-1.256	247.285	1344.257	1757.396	1838.701	12.4	20.4	21.4	22.6	23.2	DRY	8259.56	8287.89	8509.51	8356.98
CPC14-3	04-29 03:00	2.95	-2.68	-1.148	247.113	1344.356	1757.094	1838.428	12.4	20.5	21.6	21.9	22.9	DRY	8259.39	8287.98	8509.21	8356.71
CPC14-3	04-29 04:00	2.95	-2.36	-1.209	247.184	1344.112	1757.417	1838.557	12.4	20.4	21.4	22.5	23.2	DRY	8259.46	8287.74	8509.53	8356.84
CPC14-3	04-29 05:00	2.95	-2.22	-1.209	247.265	1344.374	1757.227	1838.219	12.4	20.5	22	22.1	22.5	DRY	8259.54	8288.00	8509.34	8356.50
CPC14-3	04-29 06:00	2.94	-1.88	-1.298	247.25	1344.307	1757.494	1838.323	12.4	20.3	21.9	22.6	22.5	DRY	8259.53	8287.94	8509.61	8356.60
CPC14-3	04-29 07:00	2.95	-0.88	-1.28	247.234	1343.989	1757.336	1838.501	12.4	20.4	21.4	22.5	23.2	DRY	8259.51	8287.62	8509.45	8356.78
CPC14-3	04-29 08:00	2.95	4.08	-1.294	247.052	1344.192	1757.445	1838.143	12.4	20.3	21.9	22.6	22.5	DRY	8259.33	8287.82	8509.56	8356.42
CPC14-3	04-29 09:00	2.97	8.11	-1.19	247.128	1344.138	1757.402	1838.276	12.4	20.3	21.8	22.6	22.8	DRY	8259.40	8287.77	8509.51	8356.56
CPC14-3	04-29 10:00	2.96	10.72	-1.379	247.058	1344.082	1757.355	1838.157	12.4	20.4	21.9	22.6	22.6	DRY	8259.33	8287.71	8509.47	8356.44
CPC14-3	04-29 11:00	2.96	12.5	-1.242	247.171	1344.126	1757.364	1838.116	12.4	20.4	21.9	22.5	22.5	DRY	8259.45	8287.75	8509.48	8356.40
CPC14-3	04-29 12:00	2.97	13.85	-1.199	247.175	1344.126	1757.338	1838.136	12.4	20.4	21.9	22.5	22.6	DRY	8259.45	8287.75	8509.45	8356.42
CPC14-3	04-29 13:00	2.97	14.72	-1.331	246.958	1344.098	1757.146	1838.248	12.4	20.5	21.8	22.1	22.8	DRY	8259.23	8287.73	8509.26	8356.53
CPC14-3	04-29 14:00	2.97	15.23	-1.379	247.129	1344.082	1757.364	1838.185	12.4	20.4	21.9	22.6	22.5	DRY	8259.41	8287.71	8509.48	8356.47
CPC14-3	04-29 15:00	2.97	16.11	-1.331	246.995	1344.045	1757.306	1838.082	12.4	20.4	21.7	22.5	22.8	DRY	8259.27	8287.67	8509.42	8356.36
CPC14-3	04-29 16:00	2.97	18.08	-1.393	247.007	1343.998	1757.119	1838.022	12.4	20.4	21.9	22.3	22.5	DRY	8259.28	8287.63	8509.23	8356.30
CPC14-3	04-29 17:00	2.96	14.13	-1.237	246.912	1343.884	1757.065	1838.178	12.4	20.5	21.5	2						

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	05-02 13:00	2.96	14.69	-1.388	246.245	1343.123	1755.847	1836.699	12.4	20.5	21.9	22.3	22.5	DRY	8258.52	8286.75	8507.96	8354.98
CPC14-3	05-02 14:00	2.96	11.75	-1.417	246.223	1343.017	1755.917	1836.731	12.4	20.5	21.9	22.2	22.5	DRY	8258.50	8286.65	8508.03	8355.01
CPC14-3	05-02 15:00	2.94	7.59	-1.468	246.126	1343.117	1755.887	1836.89	12.4	20.4	21.7	22.5	22.7	DRY	8258.40	8286.75	8508.00	8355.17
CPC14-3	05-02 16:00	2.96	16.74	-1.266	246.106	1343.069	1755.7	1836.831	12.4	20.5	21.8	22.1	22.6	DRY	8258.38	8286.70	8507.81	8355.11
CPC14-3	05-02 17:00	2.96	15.8	-1.364	246.223	1343.025	1755.711	1836.914	12.4	20.5	21.8	22.2	22.6	DRY	8258.50	8286.65	8507.82	8355.19
CPC14-3	05-02 18:00	2.95	10.42	-1.327	246.126	1342.823	1755.826	1836.914	12.4	20.5	21.5	22.4	23.1	DRY	8258.40	8286.45	8507.94	8355.19
CPC14-3	05-02 19:00	2.94	7.19	-1.435	246.041	1342.836	1755.773	1836.758	12.4	20.4	21.9	22.5	22.5	DRY	8258.32	8286.46	8507.89	8355.04
CPC14-3	05-02 20:00	2.94	3.25	-1.478	246.072	1342.933	1755.786	1836.72	12.4	20.5	21.9	22.3	22.5	DRY	8258.35	8286.56	8507.90	8355.00
CPC14-3	05-02 21:00	2.94	1.55	-1.44	246.215	1342.71	1755.767	1836.707	12.4	20.5	21.7	22.1	22.8	DRY	8258.49	8286.34	8507.88	8354.99
CPC14-3	05-02 22:00	2.95	1.67	-1.459	246.104	1342.871	1755.872	1836.72	12.4	20.4	21.9	22.5	22.6	DRY	8258.38	8286.50	8507.98	8355.00
CPC14-3	05-02 23:00	2.94	1.04	-1.228	246.173	1342.727	1755.697	1836.742	12.4	20.5	21.6	22.2	22.8	DRY	8258.45	8286.36	8507.81	8355.02
CPC14-3	05-03 00:00	2.94	0.89	-1.459	246.018	1342.6	1755.685	1836.821	12.4	20.5	21.7	22	22.6	DRY	8258.29	8286.23	8507.80	8355.10
CPC14-3	05-03 01:00	2.94	1.26	-1.336	246.255	1342.862	1755.898	1836.675	12.4	20.4	21.9	22.6	22.5	DRY	8258.53	8286.49	8508.01	8354.96
CPC14-3	05-03 02:00	2.95	0.65	-1.402	246.043	1342.774	1755.587	1836.713	12.4	20.5	21.9	22.1	22.6	DRY	8258.32	8286.40	8507.70	8354.99
CPC14-3	05-03 03:00	2.95	0.55	-1.421	246.106	1342.656	1755.578	1836.793	12.4	20.5	21.6	22	22.9	DRY	8258.38	8286.28	8507.69	8355.07
CPC14-3	05-03 04:00	2.95	0	-1.483	246.155	1342.638	1755.812	1836.831	12.4	20.4	21.6	22.5	22.9	DRY	8258.43	8286.27	8507.92	8355.11
CPC14-3	05-03 05:00	2.95	0.36	-1.355	246.063	1342.827	1755.66	1836.699	12.4	20.5	21.9	22.1	22.5	DRY	8258.34	8286.46	8507.77	8354.98
CPC14-3	05-03 06:00	2.95	1.4	-1.322	246.081	1342.523	1755.517	1836.765	12.4	20.6	21.5	22	23.1	DRY	8258.36	8286.15	8507.63	8355.05
CPC14-3	05-03 07:00	2.95	3.18	-1.463	245.94	1342.42	1755.806	1836.81	12.4	20.4	21.4	22.5	23.1	DRY	8258.22	8286.05	8507.92	8355.09
CPC14-3	05-03 08:00	2.96	8.38	-1.463	246.122	1342.663	1755.485	1836.45	12.4	20.5	21.9	22.1	22.5	DRY	8258.40	8286.29	8507.60	8354.73
CPC14-3	05-03 09:00	2.96	12.1	-1.431	246.083	1342.659	1755.634	1836.415	12.4	20.4	21.9	22.5	22.6	DRY	8258.36	8286.29	8507.75	8354.70
CPC14-3	05-03 10:00	2.96	15.54	-1.478	246.029	1342.587	1755.565	1836.541	12.4	20.4	21.7	22.5	22.8	DRY	8258.31	8286.22	8507.68	8354.82
CPC14-3	05-03 11:00	2.96	16.89	-1.298	246.063	1342.519	1755.654	1836.495	12.4	20.4	21.6	22.6	23	DRY	8258.34	8286.15	8507.77	8354.78
CPC14-3	05-03 12:00	2.96	13.72	-1.492	245.967	1342.359	1755.311	1836.499	12.4	20.5	21.6	22.1	22.9	DRY	8258.24	8285.99	8507.42	8354.78
CPC14-3	05-03 13:00	2.96	12.08	-1.492	246.106	1342.408	1755.476	1836.485	12.4	20.5	21.6	22.2	22.9	DRY	8258.38	8286.04	8507.59	8354.77
CPC14-3	05-03 14:00	2.96	8.92	-1.445	246.038	1342.644	1755.596	1836.457	12.4	20.4	21.8	22.5	22.6	DRY	8258.31	8286.27	8507.71	8354.74
CPC14-3	05-03 15:00	2.95	9.47	-1.558	245.94	1342.531	1755.55	1836.325	12.4	20.4	21.9	22.5	22.6	DRY	8258.22	8286.16	8507.66	8354.61
CPC14-3	05-03 16:00	2.95	12.58	-1.27	246.071	1342.657	1755.623	1836.207	12.4	20.4	21.8	22.5	22.6	DRY	8258.35	8286.29	8507.74	8354.49
CPC14-3	05-03 17:00	2.96	8.82	-1.355	245.852	1342.38	1755.677	1836.606	12.4	20.4	21.4	22.6	23.1	DRY	8258.13	8286.01	8507.79	8354.89
CPC14-3	05-03 18:00	2.95	12.05	-1.294	245.873	1342.504	1755.562	1836.474	12.4	20.4	21.9	22.5	22.6	DRY	8258.15	8286.13	8507.67	8354.75
CPC14-3	05-03 19:00	2.94	7.02	-1.393	245.806	1342.508	1755.555	1836.433	12.4	20.4	21.9	22.6	22.5	DRY	8258.08	8286.14	8507.67	8354.71
CPC14-3	05-03 20:00	2.96	4.64	-1.478	245.933	1342.526	1755.314	1836.491	12.4	20.5	21.9	22.1	22.5	DRY	8258.21	8286.15	8507.43	8354.77
CPC14-3	05-03 21:00	2.96	3.74	-1.26	245.638	1342.386	1755.521	1836.391	12.4	20.4	21.5	22.5	23	DRY	8257.91	8286.01	8507.63	8354.67
CPC14-3	05-03 22:00	2.94	2.74	-1.496	245.73	1342.571	1755.535	1836.245	12.4	20.4	21.9	22.6	22.5	DRY	8258.01	8286.20	8507.65	8354.53
CPC14-3	05-03 23:00	2.95	2.01	-1.317	245.701	1342.128	1755.524	1836.484	12.4	20.4	21.4	22.5	23.1	DRY	8257.98	8285.76	8507.64	8354.76
CPC14-3	05-04 00:00	2.95	1.55	-1.393	245.852	1342.337	1755.405	1836.575	12.4	20.4	21.5	22.5	23.1	DRY	8258.13	8285.97	8507.52	8354.86
CPC14-3	05-04 01:00	2.94	0.63	-1.336	245.912	1342.169	1755.25	1836.527	12.4	20.5	21.5	22.1	22.9	DRY	8258.19	8285.80	8507.36	8354.81
CPC14-3	05-04 02:00	2.95	0.09	-1.364	245.946	1342.258	1755.328	1836.367	12.4	20.5	21.5	22.1	23	DRY	8258.22	8285.89	8507.44	8354.65
CPC14-3	05-04 03:00	2.93	0	-1.553	245.857	1342.535	1755.435	1836.447	12.4	20.5	22	22.3	22.5	DRY	8258.13	8286.16	8507.55	8354.73
CPC14-3	05-04 04:00	2.94	0.31	-1.369	245.827	1342.146	1755.5	1836.62	12.4	20.4	21.4	22.5	23.1	DRY	8258.10	8285.77	8507.61	8354.90
CPC14-3	05-04 05:00	2.93	0.07	-1.346	245.807	1342.24	1755.172	1836.568	12.4	20.5	21.5	22.1	23	DRY	8258.08	8285.87	8507.28	8354.85
CPC14-3	05-04 06:00	2.94	0.43	-1.496	245.866	1342.361	1755.197	1836.398	12.4	20.5	21.7	22	22.8	DRY	8258.14	8285.99	8507.31	8354.68
CPC14-3	05-04 07:00	2.95	2.16	-1.61	245.712	1342.513	1755.41	1836.28	12.4	20.3	21.9	22.6	22.6	DRY	8257.99	8286.14	8507.52	8354.56
CPC14-3	05-04 08:00	2.94	3.32	-1.548	245.939	1342.361	1755.305	1836.204	12.4	20.3	21.8	22.6	22.6	DRY	8258.22	8285.99	8507.42	8354.48
CPC14-3	05-04 09:00	2.95	5.23	-1.506	245.932	1342.291	1755.334	1836.211	12.4	20.4	21.8	22.6	22.6	DRY	8258.21	8285.92	8507.45	8354.49
CPC14-3	05-04 10:00	2.95	7.51	-1.511	245.659	1342.277	1755.32	1836.159	12.4	20.4	21.8	22.6	22.7	DRY	8257.94	8285.91	8507.43	8354.44
CPC14-3	05-04 11:00	2.96	9	-1.435	245.823	1342.335	1755.236	1836.061	12.4	20.4	21.8	22.5	22.6	DRY	8258.10	8285.96	8507.35	8354.34
CPC14-3	05-04 12:00	2.95	9.82	-1.558	245.677	1342.233	1755.009	1836.1	12.4	20.5	21.8	22.1	22.6	DRY	8257.95	8285.86	8507.12	8354.38
CPC14-3	05-04 13:00	2.96	13.14	-1.398	245.873	1342.283	1755.033	1836.024	12.4	20.4	21.9	22.4	22.5	DRY	8258.15	8285.91	8507.15	8354.30
CPC14-3	05-04 14:00	2.96	11.7	-1.459	245.814	1342.491	1755.16	1836.006	12.4	20.4	21.9	22.5	22.6	DRY	8258.09	8286.12	8507.27	8354.29
CPC14-3	05-04 15:00	2.96	14.85	-1.539	245.786	1342.085	1754.747	1836.093	12.4	20.5	21.5	22	23.1	DRY	8258.06	8285.71	8506.86	8354.37
CPC14-3	05-04 16:00	2.95	13.9	-1.388	245.76	1342.203	1755.161	1835.94	12.4	20.4	21.8	22.4	22.6	DRY	8258.04	8285.83	8507.27	8354.22
CPC14-3	05-04 17:00	2.96	15.67	-1.45	245.673	1342.177	1754.983	1836.006	12.4	20.5	21.9	22.1	22.6	DRY	8257.95	8285.81	8507.10	8354.29
CPC14-3	05-04 18:00	2.96	8.3	-1.553	245.706	1342.041	1754.957	1836.121	12.4	20.5	21.5	22.1	23.1	DRY	8257.98	8285.67	8507.07	8354.40
CPC14-3	05-04 19:00	2.96	3.1	-1.577	245.698	1342.01	1755.204	1836.169	12.4	20.5	21.5	22.1	23.1	DRY	8257.97	8285.64	8507.32	8354.45
CPC14-3	05-04 20:00	2.94	2.08	-1.506	245.917	1342.006	1754.947	1836.235	12.4	20.5	21.6	22	22.9	DRY	8258.19	8285.63	8507.06	8354.52
CPC14-3	05-04 21:00	2.95	1.99	-1.591	245.946	1341.846	1754.894	1836.152	12.4	20.5	21.5	22.3	23.1	DRY	8258.22	8285.47	8507.01	835

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	05-06 20:00	2.95	2.35	-1.629	244.693	1341.249	1754.016	1835.351	12.4	20.5	22	22.3	22.6	DRY	8256.97	8284.88	8506.13	8353.63
CPC14-3	05-06 21:00	2.95	0.94	-1.681	244.736	1340.832	1754.253	1835.386	12.4	20.5	21.4	22.5	23.3	DRY	8257.01	8284.46	8506.37	8353.67
CPC14-3	05-06 22:00	2.93	0.24	-1.855	244.759	1341.288	1754.108	1835.254	12.4	20.4	21.9	22.4	22.5	DRY	8257.04	8284.92	8506.22	8353.53
CPC14-3	05-06 23:00	2.94	-0.27	-1.562	244.739	1341.191	1753.892	1835.066	12.4	20.5	21.9	22.1	22.6	DRY	8257.02	8284.82	8506.00	8353.35
CPC14-3	05-07 00:00	2.95	-0.95	-1.511	244.718	1340.962	1753.99	1835.344	12.4	20.4	21.6	22.6	22.9	DRY	8256.99	8284.59	8506.10	8353.62
CPC14-3	05-07 01:00	2.95	-1.05	-1.676	244.747	1341.156	1753.994	1835.018	12.4	20.4	22	22.5	22.5	DRY	8257.02	8284.78	8506.11	8353.30
CPC14-3	05-07 02:00	2.94	-1.05	-1.676	244.583	1341.017	1753.967	1835.302	12.4	20.4	21.8	22.6	23	DRY	8256.86	8284.65	8506.08	8353.58
CPC14-3	05-07 03:00	2.94	-1.44	-1.756	244.734	1340.905	1754.025	1835.219	12.4	20.4	21.6	22.8	23.1	DRY	8257.01	8284.53	8506.14	8353.50
CPC14-3	05-07 04:00	2.92	-1.27	-1.699	244.678	1341.03	1753.865	1835.115	12.4	20.3	21.7	22.6	23	DRY	8256.95	8284.66	8505.98	8353.40
CPC14-3	05-07 05:00	2.95	-1.63	-1.501	244.781	1341.048	1753.932	1835.122	12.4	20.4	21.8	22.6	22.8	DRY	8257.06	8284.68	8506.04	8353.40
CPC14-3	05-07 06:00	2.94	-0.66	-1.501	244.643	1340.986	1753.623	1834.942	12.4	20.5	21.8	22	22.8	DRY	8256.92	8284.61	8505.74	8353.22
CPC14-3	05-07 07:00	2.94	0.68	-1.671	244.761	1340.878	1753.693	1835.191	12.4	20.5	21.5	22.2	23.1	DRY	8257.04	8284.51	8505.81	8353.47
CPC14-3	05-07 08:00	2.93	3.49	-1.492	244.759	1340.919	1753.79	1829.879	12.4	20.4	21.7	22.6	23	DRY	8257.04	8284.55	8505.90	8348.16
CPC14-3	05-07 09:00	2.94	8.23	-1.421	244.759	1340.879	1753.731	1834.821	12.4	20.4	21.7	22.6	22.8	DRY	8257.04	8284.51	8505.84	8353.10
CPC14-3	05-07 10:00	2.94	8.28	-1.506	244.688	1340.898	1753.559	1834.168	12.4	20.4	21.9	22.3	22.5	DRY	8256.96	8284.53	8505.67	8352.45
CPC14-3	05-07 11:00	2.95	8.48	-1.478	244.608	1340.888	1753.691	1834.802	12.4	20.4	21.8	22.6	22.7	DRY	8256.88	8284.52	8505.80	8353.08
CPC14-3	05-07 12:00	2.95	8.87	-1.468	244.777	1340.582	1753.6	1834.879	12.4	20.5	21.6	22.2	22.8	DRY	8257.05	8284.21	8505.71	8353.16
CPC14-3	05-07 13:00	2.95	10.04	-1.596	244.711	1340.493	1753.452	1834.657	12.4	20.6	21.6	22.1	23	DRY	8256.99	8284.12	8505.56	8352.94
CPC14-3	05-07 14:00	2.95	10.97	-1.652	244.508	1340.475	1753.7	1835.014	12.4	20.5	21.5	22.5	23.1	DRY	8256.78	8284.10	8505.81	8353.29
CPC14-3	05-07 15:00	2.95	11.7	-1.501	244.58	1340.753	1753.547	1822.743	12.4	20.5	22	22.3	22.5	DRY	8256.86	8284.38	8505.66	8341.02
CPC14-3	05-07 16:00	2.94	10.17	-1.685	244.538	1340.568	1753.455	1834.855	12.4	20.5	21.6	22.1	22.9	DRY	8256.81	8284.20	8505.57	8353.14
CPC14-3	05-07 17:00	2.95	15.85	-1.515	244.452	1340.43	1753.619	1834.802	12.4	20.4	21.5	22.4	23.1	DRY	8256.73	8284.06	8505.73	8353.08
CPC14-3	05-07 18:00	2.94	10.19	-1.548	244.718	1340.793	1753.593	1834.772	12.4	20.5	21.9	22.3	22.5	DRY	8256.99	8284.42	8505.71	8353.05
CPC14-3	05-07 19:00	2.95	6.04	-1.463	244.707	1340.495	1753.454	1834.98	12.4	20.6	21.4	22	22.9	DRY	8256.98	8284.12	8505.57	8353.26
CPC14-3	05-07 20:00	2.94	1.62	-1.45	244.726	1340.744	1753.662	1834.584	12.4	20.4	22	22.5	22.5	DRY	8257.00	8284.37	8505.77	8352.86
CPC14-3	05-07 21:00	2.94	0.65	-1.327	244.545	1340.691	1753.518	1834.837	12.4	20.4	21.5	22.3	23.1	DRY	8256.82	8284.32	8505.63	8353.12
CPC14-3	05-07 22:00	2.94	0.09	-1.525	244.525	1340.796	1753.321	1834.733	12.4	20.5	21.9	22.1	22.5	DRY	8256.80	8284.42	8505.43	8353.01
CPC14-3	05-07 23:00	2.94	-0.25	-1.695	244.595	1340.708	1753.525	1834.577	12.4	20.4	21.9	22.5	22.6	DRY	8256.87	8284.34	8505.64	8352.86
CPC14-3	05-08 00:00	2.91	-0.15	-1.699	244.541	1340.837	1753.471	1834.858	12.4	20.4	21.9	22.3	22.6	DRY	8256.82	8284.47	8505.58	8353.14
CPC14-3	05-08 01:00	2.94	-0.03	-1.525	244.615	1340.673	1753.533	1834.695	12.4	20.3	21.9	22.6	22.7	DRY	8256.89	8284.30	8505.65	8352.98
CPC14-3	05-08 02:00	2.93	-0.37	-1.61	244.583	1340.605	1753.505	1834.806	12.4	20.4	21.7	22.5	22.9	DRY	8256.86	8284.23	8505.62	8353.09
CPC14-3	05-08 03:00	2.94	-0.32	-1.718	244.487	1340.628	1753.292	1834.483	12.4	20.5	21.8	22.1	22.6	DRY	8256.76	8284.26	8505.40	8352.76
CPC14-3	05-08 04:00	2.94	-0.27	-1.666	244.545	1340.766	1753.572	1834.56	12.4	20.4	22	22.5	22.5	DRY	8256.82	8284.39	8505.68	8352.84
CPC14-3	05-08 05:00	2.94	-0.03	-1.473	244.592	1340.403	1753.344	1834.848	12.4	20.5	21.4	22.1	23.1	DRY	8256.87	8284.03	8505.46	8353.13
CPC14-3	05-08 06:00	2.94	0	-1.619	244.535	1340.373	1753.266	1834.709	12.4	20.6	21.5	22	23.1	DRY	8256.81	8284.00	8505.38	8352.99
CPC14-3	05-08 07:00	2.94	-0.03	-1.803	244.475	1340.484	1753.207	1834.681	12.4	20.5	21.6	22	23	DRY	8256.75	8284.11	8505.32	8352.96
CPC14-3	05-08 0																	

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	05-11 03:00	2.93	-6.4	-1.586	242.169	1338.622	1748.84	1828.959	12.4	20.5	22	22.3	22.4	DRY	8254.45	8282.25	8500.95	8347.24
CPC14-3	05-11 04:00	2.9	-6.55	-1.704	241.973	1338.264	1748.772	1829.29	12.4	20.4	21.5	22.5	23.2	DRY	8254.25	8281.89	8500.88	8347.57
CPC14-3	05-11 05:00	2.92	-7.9	-1.652	242.101	1338.581	1748.558	1828.831	12.4	20.5	21.8	22	22.5	DRY	8254.38	8282.21	8500.67	8347.11
CPC14-3	05-11 06:00	2.9	-8.14	-1.648	242.035	1338.386	1748.829	1829.078	12.4	20.3	21.7	22.6	22.9	DRY	8254.31	8282.01	8500.94	8347.36
CPC14-3	05-11 07:00	2.92	-7.54	-1.794	242.053	1338.573	1748.85	1829.005	12.4	20.4	21.9	22.6	22.6	DRY	8254.33	8282.20	8500.96	8347.29
CPC14-3	05-11 08:00	2.91	-1.56	-1.615	242.104	1338.152	1748.582	1829.105	12.4	20.4	21.4	22.1	23.1	DRY	8254.38	8281.78	8500.69	8347.39
CPC14-3	05-11 09:00	2.93	3.4	-1.671	241.951	1338.306	1748.762	1828.973	12.4	20.3	21.7	22.6	23.1	DRY	8254.23	8281.93	8500.87	8347.25
CPC14-3	05-11 10:00	2.93	6.38	-1.591	241.943	1338.408	1748.838	1829.057	12.4	20.3	21.8	22.6	23	DRY	8254.22	8282.04	8500.95	8347.34
CPC14-3	05-11 11:00	2.94	8.18	-1.671	241.974	1338.299	1748.653	1828.789	12.4	20.5	21.9	22.4	22.5	DRY	8254.25	8281.93	8500.77	8347.07
CPC14-3	05-11 12:00	2.94	9.37	-1.596	241.952	1338.205	1748.694	1828.872	12.4	20.4	21.9	22.6	22.6	DRY	8254.23	8281.83	8500.81	8347.15
CPC14-3	05-11 13:00	2.94	10.57	-1.826	242.115	1338.43	1748.521	1828.865	12.4	20.6	21.8	22.1	22.4	DRY	8254.39	8282.06	8500.63	8347.15
CPC14-3	05-11 14:00	2.94	13.75	-1.648	241.98	1338.039	1748.336	1828.883	12.4	20.6	21.5	22	22.9	DRY	8254.26	8281.67	8500.45	8347.16
CPC14-3	05-11 15:00	2.94	17.34	-1.732	242.055	1338.151	1748.459	1828.786	12.4	20.5	21.8	22.1	22.5	DRY	8254.33	8281.78	8500.57	8347.07
CPC14-3	05-11 16:00	2.94	18.58	-1.581	241.906	1338.129	1748.768	1829.015	12.4	20.4	21.8	22.6	23	DRY	8254.18	8281.76	8500.88	8347.30
CPC14-3	05-11 17:00	2.94	16.82	-1.573	241.919	1337.883	1748.577	1828.819	12.4	20.4	21.5	22.3	23.1	DRY	8254.20	8281.51	8500.69	8347.10
CPC14-3	05-11 18:00	2.94	14.18	-1.44	241.729	1338.153	1748.716	1828.729	12.4	20.4	21.9	22.5	22.6	DRY	8254.01	8281.78	8500.83	8347.01
CPC14-3	05-11 19:00	2.94	8.38	-1.573	241.952	1338.183	1748.692	1828.622	12.4	20.4	21.9	22.6	22.5	DRY	8254.23	8281.81	8500.80	8346.90
CPC14-3	05-11 20:00	2.94	0.55	-1.567	241.813	1337.984	1748.619	1828.993	12.4	20.4	21.4	22.5	23.1	DRY	8254.09	8281.61	8500.73	8347.27
CPC14-3	05-11 21:00	2.89	-0.37	-1.525	241.982	1337.835	1748.64	1828.977	12.4	20.4	21.5	22.5	23.2	DRY	8254.26	8281.46	8500.75	8347.26
CPC14-3	05-11 22:00	2.93	-0.39	-1.61	241.722	1338.228	1748.618	1828.706	12.4	20.5	22	22.3	22.5	DRY	8254.00	8281.86	8500.73	8346.99
CPC14-3	05-11 23:00	2.93	-0.49	-1.761	241.744	1338.125	1748.403	1828.74	12.4	20.6	21.8	22	22.5	DRY	8254.02	8281.75	8500.52	8347.02
CPC14-3	05-12 00:00	2.92	-0.54	-1.775	241.784	1338.205	1748.61	1828.712	12.4	20.4	21.9	22.6	22.6	DRY	8254.06	8281.83	8500.72	8346.99
CPC14-3	05-12 01:00	2.92	-1.75	-1.765	241.853	1338.072	1748.481	1828.685	12.4	20.5	21.9	22.2	22.5	DRY	8254.13	8281.70	8500.59	8346.97
CPC14-3	05-12 02:00	2.93	-2.71	-1.567	241.836	1337.862	1748.424	1828.987	12.4	20.5	21.6	22	23	DRY	8254.11	8281.49	8500.54	8347.27
CPC14-3	05-12 03:00	2.91	-2.61	-1.714	241.818	1338.166	1748.584	1828.716	12.4	20.4	22	22.5	22.5	DRY	8254.09	8281.79	8500.70	8347.00
CPC14-3	05-12 04:00	2.93	-1.02	-1.685	241.845	1338.11	1748.199	1828.843	12.4	20.6	21.5	21.9	23	DRY	8254.12	8281.74	8500.31	8347.12
CPC14-3	05-12 05:00	2.9	-0.25	-1.671	241.737	1338.083	1748.54	1828.541	12.4	20.4	22.1	22.5	22.4	DRY	8254.01	8281.71	8500.65	8346.82
CPC14-3	05-12 06:00	2.91	0.34	-1.45	241.775	1337.656	1748.419	1828.83	12.4	20.4	21.4	22.4	23.2	DRY	8254.05	8281.28	8500.53	8347.11
CPC14-3	05-12 07:00	2.91	0.92	-1.619	241.836	1337.643	1748.301	1828.746	12.4	20.5	21.4	22.1	23.1	DRY	8254.11	8281.27	8500.41	8347.03
CPC14-3	05-12 08:00	2.93	5.15	-1.699	241.863	1337.966	1748.515	1828.593	12.4	20.3	22	22.7	22.6	DRY	8254.14	8281.59	8500.63	8346.87
CPC14-3	05-12 09:00	2.93	8.5	-1.52	241.819	1337.669	1748.114	1828.555	12.4	20.5	21.4	22	22.9	DRY	8254.10	8281.30	8500.23	8346.84
CPC14-3	05-12 10:00	2.94	11.47	-1.794	241.713	1337.94	1748.346	1828.443	12.4	20.5	22	22.3	22.4	DRY	8253.99	8281.57	8500.46	8346.72
CPC14-3	05-12 11:00	2.94	11.35	-1.605	241.788	1337.823	1748.461	1828.652	12.4	20.4	21.7	22.6	23.1	DRY	8254.06	8281.45	8500.57	8346.93
CPC14-3	05-12 12:00	2.94	11.82	-1.534	241.625	1338.028	1748.371	1828.43	12.4	20.5	22	22.5	22.5	DRY	8253.90	8281.66	8500.48	8346.71
CPC14-3	05-12 13:00	2.94	12.83	-1.548	241.653	1337.631	1748.415	1828.662	12.4	20.4	21.5	22.4	23.1	DRY	8253.93	8281.26	8500.53	8346.94
CPC14-3	05-12 14:00	2.94	15.31	-1.77	241.746	1337.595	1748.258	1828.533	12.4	20.4	21.5	22.3	23	DRY	8254.02	8281.22	8500.37	8346.81
CPC14-3	05-12 15:00																	

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	05-15 10:00	2.93	7.98	-1.747	241.194	1336.708	1747.434	1827.431	12.4	20.4	21.5	22.5	23	DRY	8253.47	8280.34	8499.55	8345.71
CPC14-3	05-15 11:00	2.93	8.33	-1.742	241.237	1337.079	1747.334	1827.178	12.4	20.5	21.9	22.2	22.5	DRY	8253.51	8280.71	8499.45	8345.46
CPC14-3	05-15 12:00	2.93	9.47	-1.657	241.245	1336.752	1747.477	1827.368	12.4	20.4	21.6	22.6	23	DRY	8253.52	8280.38	8499.59	8345.65
CPC14-3	05-15 13:00	2.93	9.99	-1.973	241.279	1336.841	1747.294	1827.303	12.4	20.5	21.5	22	22.9	DRY	8253.56	8280.47	8499.41	8345.58
CPC14-3	05-15 14:00	2.93	9.47	-1.779	241.06	1336.935	1747.335	1827.246	12.4	20.5	21.6	22.1	22.7	DRY	8253.34	8280.56	8499.45	8345.53
CPC14-3	05-15 15:00	2.93	9.25	-1.671	241.161	1336.995	1747.446	1827.282	12.4	20.4	21.9	22.5	22.5	DRY	8253.44	8280.62	8499.56	8345.56
CPC14-3	05-15 16:00	2.93	7.86	-1.639	241.186	1336.994	1747.577	1827.368	12.4	20.4	21.7	22.6	23	DRY	8253.46	8280.62	8499.69	8345.65
CPC14-3	05-15 17:00	2.92	4.59	-1.756	241.034	1336.856	1747.527	1827.26	12.4	20.4	21.8	22.6	22.9	DRY	8253.31	8280.48	8499.64	8345.54
CPC14-3	05-15 18:00	2.92	2.81	-1.596	241.207	1336.878	1747.462	1827.316	12.4	20.4	21.8	22.6	23	DRY	8253.48	8280.51	8499.57	8345.60
CPC14-3	05-15 19:00	2.92	3.18	-1.676	241.231	1337.083	1747.436	1827.334	12.4	20.3	21.8	22.6	22.9	DRY	8253.51	8280.71	8499.55	8345.61
CPC14-3	05-15 20:00	2.92	0.77	-1.704	241.045	1336.901	1747.454	1827.421	12.4	20.3	21.7	22.5	23.2	DRY	8253.32	8280.53	8499.57	8345.70
CPC14-3	05-15 21:00	2.91	-0.39	-1.784	241.08	1337.147	1747.48	1826.961	12.4	20.4	22.1	22.6	22.6	DRY	8253.36	8280.78	8499.59	8345.24
CPC14-3	05-15 22:00	2.92	-1.12	-1.803	241.067	1337.07	1747.5	1827.135	12.4	20.4	22	22.6	22.6	DRY	8253.34	8280.70	8499.61	8345.42
CPC14-3	05-15 23:00	2.91	-2.54	-1.808	241.05	1337	1747.483	1827.096	12.4	20.4	21.9	22.6	22.7	DRY	8253.33	8280.63	8499.60	8345.38
CPC14-3	05-16 00:00	2.91	-3.79	-1.732	241.043	1336.925	1747.171	1827.069	12.4	20.5	21.6	22.1	22.8	DRY	8253.32	8280.55	8499.28	8345.35
CPC14-3	05-16 01:00	2.9	-4.25	-1.765	241.017	1336.924	1747.384	1827.055	12.4	20.4	21.9	22.5	22.5	DRY	8253.29	8280.55	8499.50	8345.34
CPC14-3	05-16 02:00	2.91	-4.9	-1.831	240.946	1336.842	1747.366	1827.176	12.4	20.4	21.8	22.6	23	DRY	8253.22	8280.47	8499.48	8345.46
CPC14-3	05-16 03:00	2.91	-5.25	-1.695	240.929	1336.587	1747.344	1827.13	12.4	20.4	21.4	22.4	23.1	DRY	8253.21	8280.22	8499.46	8345.41
CPC14-3	05-16 04:00	2.91	-5.45	-1.662	240.947	1336.833	1747.186	1827.09	12.4	20.5	21.7	22.1	22.5	DRY	8253.22	8280.46	8499.30	8345.37
CPC14-3	05-16 05:00	2.92	-5.5	-1.639	240.982	1336.558	1747.118	1826.961	12.4	20.6	21.6	22	22.8	DRY	8253.26	8280.19	8499.23	8345.24
CPC14-3	05-16 06:00	2.91	-5.5	-1.756	240.907	1336.723	1747.345	1827.044	12.4	20.3	21.7	22.6	22.9	DRY	8253.18	8280.35	8499.46	8345.32
CPC14-3	05-16 07:00	2.91	-4.67	-1.751	240.882	1336.867	1747.317	1826.842	12.4	20.4	22.1	22.5	22.4	DRY	8253.16	8280.50	8499.43	8345.12
CPC14-3	05-16 08:00	2.91	1.21	-1.69	240.742	1336.875	1747.4	1826.918	12.4	20.3	22	22.7	22.6	DRY	8253.02	8280.50	8499.51	8345.20
CPC14-3	05-16 09:00	2.92	3.64	-1.615	240.785	1336.455	1747.213	1827.019	12.4	20.4	21.5	22.3	23.1	DRY	8253.06	8280.08	8499.33	8345.30
CPC14-3	05-16 10:00	2.92	6.13	-1.747	240.765	1336.742	1747.232	1826.887	12.4	20.5	21.9	22.5	22.5	DRY	8253.04	8280.37	8499.34	8345.17
CPC14-3	05-16 11:00	2.93	7.91	-1.676	240.743	1336.64	1747.214	1827.03	12.4	20.4	21.9	22.5	22.6	DRY	8253.02	8280.27	8499.33	8345.31
CPC14-3	05-16 12:00	2.92	8.4	-1.695	240.875	1336.715	1747.051	1826.831	12.4	20.5	21.9	22.4	22.6	DRY	8253.15	8280.34	8499.16	8345.11
CPC14-3	05-16 13:00	2.93	10.27	-1.756	240.747	1336.692	1747.216	1826.96	12.4	20.4	21.8	22.6	22.9	DRY	8253.02	8280.32	8499.33	8345.24
CPC14-3	05-16 14:00	2.93	14.34	-1.596	241.014	1336.52	1747.056	1826.863	12.4	20.5	21.9	22.2	22.5	DRY	8253.29	8280.15	8499.17	8345.14
CPC14-3	05-16 15:00	2.93	8.6	-1.639	240.963	1336.446	1747.198	1827.046	12.4	20.4	21.5	22.4	23.1	DRY	8253.24	8280.07	8499.31	8345.33
CPC14-3	05-16 16:00	2.93	3.4	-1.723	240.665	1336.517	1746.963	1826.926	12.4	20.6	21.6	22.1	22.8	DRY	8252.94	8280.15	8499.08	8345.21
CPC14-3	05-16 17:00	2.91	1.18	-1.784	240.845	1336.715	1747.053	1826.79	12.4	20.5	21.9	22.2	22.5	DRY	8253.12	8280.34	8499.17	8345.07
CPC14-3	05-16 18:00	2.91	0.12	-1.837	240.941	1336.849	1747.293	1826.734	12.4	20.4	22	22.6	22.5	DRY	8253.22	8280.48	8499.41	8345.01
CPC14-3	05-16 19:00	2.91	-0.17	-1.648	240.892	1336.466	1747.056	1826.835	12.4	20.5	21.8	22.2	22.5	DRY	8253.17	8280.09	8499.17	8345.12
CPC14-3	05-16 20:00	2.92	-1.66	-1.921	240.845	1336.653	1747.052	1826.744	12.4	20.5	21.9	22.3	22.5	DRY	8253.12	8280.28	8499.16	8345.02
CPC14-3	05-16 21:00	2.92	-2.44	-1.648	240.816	1336.313	1746.893	1826.807	12.4	20.5	21.5	22	22.8	DRY	8253.09	8279.94	8499.01	8345.09
CPC14-3	05-16 22:00	2.92	-3.2	-1.775	240.74	1336.429	1746.864	1826.702	12.4	20.5	21.5	22	22.5	DRY	8253.02	8280.06	8498.98	8344.98
CPC14-3	05-16 23:00	2.92	-3.88	-1.954	240.608	1336.3	1746.867	1826.838	12.4	20.4	21.5	22.1	23	DRY	8252.88	8279.93	8498.98	8345.12
CPC14-3	05-17 00:00	2.9	-4.5	-1.52	240.752	1336.429	1746.919	1826.862	12.4	20.4	21.6	22.4	23.1	DRY	8253.03	8280.06	8499.03	8345.14
CPC14-3	05-17 01:00	2.9	-4.85	-1.841	240.726	1336.492	1747.126	1826.796	12.4	20.4	21.8	22.6	22.8	DRY	8253.00	8280.12	8499.24	8345.08
CPC14-3	05-17 02:00	2.89	-5.22	-1.841	240.679	1336.618	1747.055	1826.569	12.4	20.4	21.9	22.6	22.7	DRY	8252.96	8280.25	8499.17	8344.85
CPC14-3	05-17 03:00	2.91	-5.6	-1.728	240.729	1336.452	1747.038	1826.81	12.4	20.3	21.8	22.6	22.9	DRY	8253.01	8280.08	8499.15	8345.09
CPC14-3	05-17 04:00	2.91	-5.52	-1.826	240.782	1336.538	1746.851	1826.675	12.4	20.5	21.9	22.2	22.5	DRY	8253.06	8280.17	8498.96	8344.96
CPC14-3	05-17 05:00	2.89	-5.35	-1.789	240.896	1336.533	1746.72	1826.58	12.4	20.5	21.9	22.1	22.5	DRY	8253.17	8280.16	8498.83	8344.86
CPC14-3	05-17 06:00	2.9	-4.77	-1.704	240.837	1336.361	1746.907	1826.517	12.4	20.5	21.9	22.2	22.3	DRY	8253.11	8279.99	8499.02	8344.80
CPC14-3	05-17 07:00	2.91	-3	-1.837	240.721	1336.493	1747.064	1826.514	12.4	20.3	21.9	22.6	22.6	DRY	8253.00	8280.12	8499.18	8344.79
CPC14-3	05-17 08:00	2.92	2.03	-1.784	240.608	1336.322	1747.035	1826.596	12.4	20.4	21.6	22.6	23.1	DRY	8252.88	8279.95	8499.15	8344.88
CPC14-3	05-17 09:00	2.92	5.42	-1.756	240.858	1336.056	1746.796	1826.577	12.4	20.5	21.5	22.1	22.8	DRY	8253.13	8279.68	8498.91	8344.86
CPC14-3	05-17 10:00	2.92	8.06	-1.846	240.627	1336.1	1746.72	1826.562	12.4	20.6	21.5	22	22.8	DRY	8252.90	8279.73	8498.83	8344.84
CPC14-3	05-17 11:00	2.92	9.42	-1.794	240.705	1336.109	1746.889	1826.621	12.4	20.4	21.6	22.5	23	DRY	8252.98	8279.74	8499.00	8344.90
CPC14-3	05-17 12:00	2.93	10.59	-1.648	240.723	1336.311	1746.806	1826.419	12.4	20.5	21.9	22.3	22.6	DRY	8253.00	8279.94	8498.92	8344.70
CPC14-3	05-17 13:00	2.93	12.33	-1.69	240.764	1336.318	1746.908	1826.492	12.4	20.4	21.5	22.4	23	DRY	8253.04	8279.95	8499.02	8344.77
CPC14-3	05-17 14:00	2.92	13.62	-1.69	240.652	1336.285	1746.875	1826.549	12.4	20.6	21.9	22.2	22.5	DRY	8252.93	8279.91	8498.99	8344.83
CPC14-3	05-17 15:00	2.93	10.07	-1.704	240.575	1336.449	1746.97	1826.653	12.4	20.4	22	22.7	22.7	DRY	8252.85	8280.08	8499.08	8344.93
CPC14-3	05-17 16:00	2.93	6.43	-1.789	240.634	1336.356	1746.809	1826.514	12.4	20.5	21.9	22.3	22.5	DRY	8252.91	8279.98	8498.92	8344.79
CPC14-3	05-17 17:00	2.92	4.71	-1.445	240.589	1336.207	1746.661	1826.562	12.4	20.6	21.5	22	22.8	DRY	8252.87	8279.84	8498.77	8344.84
CPC14-3	05-17 18:00	2.92	3.15	-1.794	240.728	1336.304	1746.79	1826.555	12.4	20.5	21.5	22.1	23	DRY	8253.00	8279.93	8498.90	8344.84
CPC14-3	05-17 19:00	2.91	2.06	-1.86	240.596	1336.												

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	05-19 17:00	2.92	3.74	-1.67	240.313	1335.439	1746.205	1826.188	12.5	20.4	21.5	22.3	23	DRY	8252.59	8279.07	8498.32	8344.47
CPC14-3	05-19 18:00	2.92	7.12	-1.793	240.535	1335.515	1746.026	1826.182	12.5	20.6	21.6	22	22.5	DRY	8252.81	8279.14	8498.14	8344.46
CPC14-3	05-19 19:00	2.91	2.25	-1.793	240.368	1335.647	1746.271	1826.006	12.5	20.4	21.5	22.5	23.1	DRY	8252.64	8279.28	8498.38	8344.29
CPC14-3	05-19 20:00	2.91	-1.61	-1.666	240.56	1335.541	1746.064	1825.951	12.4	20.6	21.5	22	22.8	DRY	8252.84	8279.17	8498.18	8344.23
CPC14-3	05-19 21:00	2.9	-3.07	-1.831	240.368	1335.711	1746.282	1825.909	12.4	20.4	21.8	22.6	22.9	DRY	8252.64	8279.34	8498.39	8344.19
CPC14-3	05-19 22:00	2.9	-3.71	-1.793	240.389	1335.46	1745.973	1825.929	12.5	20.4	21.4	22.1	23	DRY	8252.67	8279.09	8498.09	8344.21
CPC14-3	05-19 23:00	2.91	-4.23	-1.837	240.521	1335.612	1746.093	1825.745	12.4	20.5	21.6	22.1	22.5	DRY	8252.80	8279.24	8498.21	8344.03
CPC14-3	05-20 00:00	2.9	-4.7	-1.712	240.521	1335.639	1745.961	1825.902	12.5	20.5	21.6	22.1	22.8	DRY	8252.80	8279.27	8498.07	8344.18
CPC14-3	05-20 01:00	2.9	-4.9	-1.874	240.356	1335.508	1746.145	1825.696	12.4	20.5	21.9	22.5	22.5	DRY	8252.63	8279.14	8498.26	8343.98
CPC14-3	05-20 02:00	2.9	-5	-1.639	240.499	1335.689	1745.966	1825.849	12.4	20.4	21.8	22.5	23	DRY	8252.78	8279.32	8498.08	8344.13
CPC14-3	05-20 03:00	2.91	-5.17	-1.959	240.555	1335.385	1745.957	1825.908	12.4	20.5	21.5	22.2	23	DRY	8252.83	8279.01	8498.07	8344.19
CPC14-3	05-20 04:00	2.9	-4.92	-1.717	240.372	1335.335	1745.779	1825.94	12.5	20.4	21.4	22	22.9	DRY	8252.65	8278.96	8497.89	8344.22
CPC14-3	05-20 05:00	2.9	-4.72	-1.684	240.424	1335.332	1745.835	1825.836	12.5	20.5	21.6	22.1	22.6	DRY	8252.70	8278.96	8497.95	8344.12
CPC14-3	05-20 06:00	2.9	-4.23	-1.703	240.477	1335.331	1746.036	1825.929	12.5	20.4	21.4	22.2	23.1	DRY	8252.75	8278.96	8498.15	8344.21
CPC14-3	05-20 07:00	2.9	-2.29	-1.75	240.515	1335.766	1746.246	1825.773	12.5	20.4	21.9	22.6	22.5	DRY	8252.79	8279.39	8498.36	8344.05
CPC14-3	05-20 08:00	2.92	4.86	-1.755	240.435	1335.145	1746.044	1825.716	12.5	20.4	21.4	22.3	23.1	DRY	8252.71	8278.77	8498.16	8344.00
CPC14-3	05-20 09:00	2.92	8.92	-1.694	240.331	1335.455	1746.095	1825.585	12.5	20.5	21.9	22.5	22.5	DRY	8252.61	8279.08	8498.21	8343.87
CPC14-3	05-20 10:00	2.92	9.84	-1.769	240.463	1335.204	1745.744	1825.668	12.5	20.6	21.5	22	22.8	DRY	8252.74	8278.83	8497.86	8343.95
CPC14-3	05-20 11:00	2.92	10.62	-1.557	240.44	1335.386	1746.03	1825.594	12.5	20.4	21.6	22.6	23	DRY	8252.72	8279.01	8498.14	8343.87
CPC14-3	05-20 12:00	2.92	10.37	-1.769	240.453	1335.637	1745.975	1825.518	12.5	20.5	21.9	22.5	22.5	DRY	8252.73	8279.27	8498.09	8343.80
CPC14-3	05-20 13:00	2.92	10.84	-1.797	240.275	1335.276	1746.085	1825.56	12.5	20.4	21.8	22.6	22.8	DRY	8252.55	8278.90	8498.20	8343.84
CPC14-3	05-20 14:00	2.92	14.28	-1.736	240.427	1335.451	1745.943	1825.374	12.5	20.4	21.9	22.5	22.6	DRY	8252.70	8279.08	8498.06	8343.65
CPC14-3	05-20 15:00	2.93	17	-1.798	240.212	1335.292	1745.909	1825.737	12.4	20.4	21.5	22.3	23	DRY	8252.49	8278.92	8498.02	8344.02
CPC14-3	05-20 16:00	2.92	19.01	-1.817	240.431	1335.379	1746.016	1825.549	12.4	20.4	21.9	22.5	22.6	DRY	8252.71	8279.01	8498.13	8343.83
CPC14-3	05-20 17:00	2.92	15.57	-1.675	240.263	1335.461	1745.917	1825.647	12.5	20.5	21.6	22.1	22.7	DRY	8252.54	8279.09	8498.03	8343.93
CPC14-3	05-20 18:00	2.92	12.18	-1.77	240.39	1335.366	1745.985	1825.322	12.4	20.5	21.9	22.4	22.5	DRY	8252.67	8278.99	8498.10	8343.60
CPC14-3	05-20 19:00	2.92	4.84	-1.737	240.397	1335.498	1745.897	1825.552	12.4	20.4	21.8	22.6	23	DRY	8252.67	8279.13	8498.01	8343.83
CPC14-3	05-20 20:00	2.91	1.23	-1.817	240.368	1335.44	1745.903	1825.591	12.4	20.4	21.8	22.6	23	DRY	8252.64	8279.07	8498.02	8343.87
CPC14-3	05-20 21:00	2.9	-0.42	-1.826	240.2	1335.379	1745.82	1825.462	12.4	20.5	21.9	22.4	22.5	DRY	8252.48	8279.01	8497.93	8343.74
CPC14-3	05-20 22:00	2.9	-1.02	-1.893	240.377	1335.455	1745.713	1825.437	12.4	20.5	21.9	22.3	22.6	DRY	8252.65	8279.08	8497.83	8343.72
CPC14-3	05-20 23:00	2.9	-0.93	-1.864	240.381	1335.245	1745.644	1825.497	12.4	20.5	21.7	22.1	22.5	DRY	8252.66	8278.87	8497.76	8343.78
CPC14-3	05-21 00:00	2.9	-0.9	-1.878	240.23	1335.186	1745.594	1825.65	12.4	20.5	21.5	22	22.9	DRY	8252.51	8278.81	8497.71	8343.93
CPC14-3	05-21 01:00	2.9	-1.12	-1.87	240.339	1335.061	1745.597	1825.67	12.4	20.5	21.4	22.1	23.1	DRY	8252.62	8278.69	8497.71	8343.95
CPC14-3	05-21 02:00	2.91	-1.37	-1.704	240.149	1335.432	1745.877	1825.517	12.4	20.4	21.9	22.6	22.7	DRY	8252.43	8279.06	8497.99	8343.80
CPC14-3	05-21 03:00	2.9	-1.56	-1.897	240.283	1335.137	1745.582	1825.6	12.4	20.4	21.5	22.2	23.1	DRY	8252.56	8278.77	8497.69	8343.88
CPC14-3	05-21 04:00	2.9	-1.78	-1.723	240.204	1335.459	1745.728	1825.503	12.4	20.4	21.9	22.6	22.7	DRY	8252.48	8279.09	8497.84	8343.78
CPC14-3	05-21 05:00	2.9	-2.05															

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	06-27 03:00	2.88	-28.97	54.897	283.705	1455.847	1849.243	1897.876	284.3	284.3	284.3	284.3	284.3	42237	8295.98	8399.48	8601.36	8416.16
CPC14-3	06-27 04:00	2.89	-28.97	55.09	283.687	1455.619	1849.302	1897.936	284.3	284.3	284.3	284.3	284.3	42237	8295.96	8399.25	8601.41	8416.22
CPC14-3	06-27 05:00	2.88	-29.07	55.085	283.667	1455.758	1849.231	1897.894	284.3	284.3	284.3	284.3	284.3	42237	8295.94	8399.39	8601.34	8416.17
CPC14-3	06-27 06:00	2.88	-29.17	55.08	283.696	1455.682	1849.272	1897.965	284.3	284.3	284.3	284.3	284.3	42237	8295.97	8399.31	8601.38	8416.25
CPC14-3	06-27 07:00	2.89	-27.78	55.26	283.793	1455.61	1849.225	1898.06	284.3	284.3	284.3	284.3	284.3	42238	8296.07	8399.24	8601.34	8416.34
CPC14-3	06-27 08:00	2.89	-22.94	55.132	283.832	1455.745	1849.239	1897.922	284.3	284.3	284.3	284.3	284.3	42237	8296.11	8399.37	8601.35	8416.20
CPC14-3	06-27 09:00	2.89	-20.64	54.774	283.84	1455.726	1849.116	1897.961	284.3	284.3	284.3	284.3	284.3	42237	8296.12	8399.35	8601.23	8416.24
CPC14-3	06-27 10:00	2.9	-19.78	54.911	283.895	1455.825	1849.083	1898.021	284.3	284.3	284.3	284.3	284.3	42237	8296.17	8399.45	8601.20	8416.30
CPC14-3	06-27 11:00	2.9	-19.53	55.118	283.823	1455.74	1849.183	1897.989	284.3	284.3	284.3	284.3	284.3	42238	8296.10	8399.37	8601.30	8416.27
CPC14-3	06-27 12:00	2.9	-19.21	55.128	283.857	1455.717	1849.201	1898.056	284.3	284.3	284.3	284.3	284.3	42238	8296.13	8399.35	8601.31	8416.34
CPC14-3	06-27 13:00	2.9	-18.85	55.146	283.713	1455.69	1849.207	1898.095	284.3	284.3	284.3	284.3	284.3	42238	8295.99	8399.32	8601.32	8416.38
CPC14-3	06-27 14:00	2.9	-17.48	55.09	283.747	1455.887	1849.195	1898.152	284.3	284.3	284.3	284.3	284.3	42238	8296.02	8399.52	8601.31	8416.43
CPC14-3	06-27 15:00	2.9	-19.53	54.963	283.713	1455.659	1849.234	1898.144	284.3	284.3	284.3	284.3	284.3	42238	8295.99	8399.29	8601.35	8416.42
CPC14-3	06-27 16:00	2.9	-19.75	54.967	283.865	1455.803	1849.207	1898.081	284.3	284.3	284.3	284.3	284.3	42238	8296.14	8399.43	8601.32	8416.36
CPC14-3	06-27 17:00	2.9	-23.4	54.849	283.848	1455.766	1849.186	1898.063	284.3	284.3	284.3	284.3	284.3	42238	8296.12	8399.39	8601.30	8416.34
CPC14-3	06-27 18:00	2.89	-24.98	55.109	283.776	1455.806	1849.183	1898.028	284.3	284.3	284.3	284.3	284.3	42238	8296.05	8399.43	8601.30	8416.31
CPC14-3	06-27 19:00	2.89	-25.42	54.982	283.903	1455.878	1849.216	1897.933	284.3	284.3	284.3	284.3	284.3	42238	8296.18	8399.51	8601.33	8416.21
CPC14-3	06-27 20:00	2.89	-26.32	54.963	283.806	1455.704	1849.231	1897.982	284.3	284.3	284.3	284.3	284.3	42238	8296.08	8399.33	8601.34	8416.26
CPC14-3	06-27 21:00	2.89	-27.5	55.199	283.937	1455.74	1849.293	1897.951	284.3	284.3	284.3	284.3	284.3	42238	8296.21	8399.37	8601.41	8416.23
CPC14-3	06-27 22:00	2.89	-28.03	55.194	283.924	1455.704	1849.148	1898.078	284.3	284.3	284.3	284.3	284.3	42238	8296.20	8399.33	8601.26	8416.36
CPC14-3	06-27 23:00	2.88	-28.72	55.203	283.929	1455.758	1849.32	1898.017	284.3	284.3	284.3	284.3	284.3	42238	8296.21	8399.39	8601.43	8416.30
CPC14-3	06-28 00:00	2.89	-29.42	54.887	283.954	1455.713	1849.255	1897.901	284.3	284.3	284.3	284.3	284.3	42238	8296.23	8399.34	8601.37	8416.18
CPC14-3	06-28 01:00	2.89	-29.99	55.01	283.844	1455.717	1849.163	1897.905	284.3	284.3	284.3	284.3	284.3	42238	8296.12	8399.35	8601.28	8416.19
CPC14-3	06-28 02:00	2.88	-29.99	54.901	283.84	1455.704	1849.104	1897.869	284.3	284.3	284.3	284.3	284.3	42238	8296.12	8399.33	8601.22	8416.15
CPC14-3	06-28 03:00	2.89	-29.68	55.057	283.929	1455.717	1849.219	1897.909	284.3	284.3	284.3	284.3	284.3	42238	8296.21	8399.35	8601.33	8416.19
CPC14-3	06-28 04:00	2.88	-29.37	54.977	283.836	1455.704	1849.204	1897.841	284.3	284.3	284.3	284.3	284.3	42238	8296.11	8399.33	8601.32	8416.12
CPC14-3	06-28 05:00	2.88	-29.32	55.095	283.954	1455.883	1849.246	1897.891	284.3	284.3	284.3	284.3	284.3	42238	8296.23	8399.51	8601.36	8416.17
CPC14-3	06-28 06:00	2.89	-29.27	55.142	283.878	1455.78	1849.192	1897.936	284.3	284.3	284.3	284.3	284.3	42238	8296.15	8399.41	8601.30	8416.22
CPC14-3	06-28 07:00	2.89	-25.51	55	283.89	1455.758	1849.08	1897.933	284.3	284.3	284.3	284.3	284.3	42238	8296.17	8399.39	8601.19	8416.21
CPC14-3	06-28 08:00	2.89	-19.49	55.014	283.912	1455.709	1849.062	1898.141	284.3	284.3	284.3	284.3	284.3	42238	8296.19	8399.34	8601.17	8416.42
CPC14-3	06-28 09:00	2.89	-17.78	54.982	283.756	1455.664	1848.911	1898.13	284.3	284.3	284.3	284.3	284.3	42238	8296.03	8399.29	8601.02	8416.41
CPC14-3	06-28 10:00	2.9	-17.14	55.043	283.836	1455.829	1849.098	1898.113	284.3	284.3	284.3	284.3	284.3	42238	8296.11	8399.46	8601.21	8416.39
CPC14-3	06-28 11:00	2.9	-17.41	55.165	283.899	1455.887	1848.983	1897.936	284.3	284.3	284.3	284.3	284.3	42239	8296.18	8399.52	8601.10	8416.22
CPC14-3	06-28 12:00	2.9	-17.61	55.076	283.967	1455.584	1849.11	1891.551	284.3	284.3	284.3	284.3	284.3	42239	8296.24	8399.21	8601.22	8409.83
CPC14-3	06-28 13:00	2.9	-23.19	55.099	283.802	1455.758	1849.086	1										

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	07-01 10:00	2.9	-17.88	55.029	283.743	1455.32	1848.615	1897.207	284.3	284.3	284.3	284.3	284.3	42241	8296.02	8398.95	8600.73	8415.49
CPC14-3	07-01 11:00	2.9	-19.07	55.09	283.73	1455.324	1848.639	1897.211	284.3	284.3	284.3	284.3	284.3	42242	8296.01	8398.95	8600.75	8415.49
CPC14-3	07-01 12:00	2.89	-19.93	54.93	283.662	1455.316	1848.725	1897.094	284.3	284.3	284.3	284.3	284.3	42241	8295.94	8398.94	8600.84	8415.37
CPC14-3	07-01 13:00	2.9	-21.24	55.232	283.561	1455.467	1848.704	1897.154	284.3	284.3	284.3	284.3	284.3	42242	8295.84	8399.10	8600.82	8415.43
CPC14-3	07-01 14:00	2.9	-21.59	55.029	283.595	1455.338	1848.689	1897.123	284.3	284.3	284.3	284.3	284.3	42242	8295.87	8398.97	8600.80	8415.40
CPC14-3	07-01 15:00	2.89	-26.05	55.066	283.776	1455.485	1848.651	1897.056	284.3	284.3	284.3	284.3	284.3	42242	8296.05	8399.11	8600.76	8415.34
CPC14-3	07-01 16:00	2.89	-27.78	55.01	283.667	1455.36	1848.775	1897.003	284.3	284.3	284.3	284.3	284.3	42242	8295.94	8398.99	8600.89	8415.28
CPC14-3	07-01 17:00	2.88	-28.67	55.062	283.705	1455.445	1848.923	1897.056	284.3	284.3	284.3	284.3	284.3	42242	8295.98	8399.07	8601.04	8415.34
CPC14-3	07-01 18:00	2.88	-29.02	54.92	283.662	1455.481	1848.734	1897.014	284.3	284.3	284.3	284.3	284.3	42242	8295.94	8399.11	8600.85	8415.29
CPC14-3	07-01 19:00	2.88	-27.64	55.109	283.611	1455.615	1848.867	1896.999	284.3	284.3	284.3	284.3	284.3	42242	8295.89	8399.24	8600.98	8415.28
CPC14-3	07-01 20:00	2.88	-28.22	54.944	283.747	1455.427	1848.704	1897.045	284.3	284.3	284.3	284.3	284.3	42242	8296.02	8399.06	8600.82	8415.33
CPC14-3	07-01 21:00	2.89	-29.12	55.01	283.696	1455.458	1848.686	1896.918	284.3	284.3	284.3	284.3	284.3	42242	8295.97	8399.09	8600.80	8415.20
CPC14-3	07-01 22:00	2.88	-29.32	55.066	283.671	1455.454	1848.683	1897.06	284.3	284.3	284.3	284.3	284.3	42242	8295.95	8399.08	8600.80	8415.34
CPC14-3	07-01 23:00	2.88	-29.78	55.18	283.705	1455.454	1848.642	1896.929	284.3	284.3	284.3	284.3	284.3	42242	8295.98	8399.08	8600.75	8415.21
CPC14-3	07-02 00:00	2.88	-30.35	55.151	283.591	1455.445	1848.639	1896.816	284.3	284.3	284.3	284.3	284.3	42242	8295.87	8399.07	8600.75	8415.10
CPC14-3	07-02 01:00	2.88	-30.73	55.208	283.552	1455.431	1848.71	1896.894	284.3	284.3	284.3	284.3	284.3	42242	8295.83	8399.06	8600.82	8415.17
CPC14-3	07-02 02:00	2.88	-31.05	54.906	283.806	1455.534	1848.559	1896.94	284.3	284.3	284.3	284.3	284.3	42242	8296.08	8399.16	8600.67	8415.22
CPC14-3	07-02 03:00	2.88	-30.78	54.93	283.561	1455.431	1848.627	1896.89	284.3	284.3	284.3	284.3	284.3	42242	8295.84	8399.06	8600.74	8415.17
CPC14-3	07-02 04:00	2.88	-30.3	54.935	283.654	1455.485	1848.656	1896.905	284.3	284.3	284.3	284.3	284.3	42242	8295.93	8399.11	8600.77	8415.19
CPC14-3	07-02 05:00	2.88	-29.68	55.095	283.51	1455.463	1848.66	1896.975	284.3	284.3	284.3	284.3	284.3	42242	8295.79	8399.09	8600.77	8415.26
CPC14-3	07-02 06:00	2.88	-28.82	55.128	283.595	1455.409	1848.52	1896.88	284.3	284.3	284.3	284.3	284.3	42242	8295.87	8399.04	8600.63	8415.16
CPC14-3	07-02 07:00	2.88	-28.52	55.08	283.751	1455.441	1848.524	1896.982	284.3	284.3	284.3	284.3	284.3	42242	8296.03	8399.07	8600.64	8415.26
CPC14-3	07-02 08:00	2.89	-27.45	55.175	283.624	1455.401	1848.482	1896.887	284.3	284.3	284.3	284.3	284.3	42242	8295.90	8399.03	8600.59	8415.17
CPC14-3	07-02 09:00	2.88	-24.63	55.019	283.624	1455.244	1848.518	1896.905	284.3	284.3	284.3	284.3	284.3	42242	8295.90	8398.87	8600.63	8415.19
CPC14-3	07-02 10:00	2.89	-24.15	55.095	283.785	1455.306	1848.458	1896.781	284.3	284.3	284.3	284.3	284.3	42242	8296.06	8398.93	8600.57	8415.06
CPC14-3	07-02 11:21	2.98	-21.59	8951.066	8170.526	5842.386	4054.504	4667.816	12.4	20.5	22	22.5	22.5	51138	16182.80	12786.01	10806.62	11186.10
CPC14-3	07-02 12:00	2.88	-21.59	8950.937	8169.838	5842.78	4054.564	4668.159	12.4	20.5	22	22.5	22.5	51138	16182.11	12786.41	10806.68	11186.44
CPC14-3	07-02 13:00	2.88	-21.09	8951.02	8170.227	5842.652	4054.227	4668.133	12.4	20.5	22	22.5	22.5	51139	16182.50	12786.28	10806.34	11186.41
CPC14-3	07-02 14:00	2.87	-22.34	8950.694	8170.452	5842.568	4054.234	4668.201	12.4	20.5	22	22.5	22.5	51138	16182.73	12786.20	10806.35	11186.48
CPC14-3	07-02 15:00	2.87	-23.07	8950.679	8169.676	5842.652	4054.407	4668.193	12.4	20.5	22	22.5	22.5	51138	16181.95	12786.28	10806.52	11186.47
CPC14-3	07-02 16:00	2.88	-25.11	8951.066	8170.107	5842.429	4054.347	4668.176	12.4	20.5	22	22.5	22.5	51139	16182.38	12786.06	10806.46	11186.46
CPC14-3	07-02 17:00	2.88	-25.55	8950.581	8170.452	5842.269	4054.204	4667.962	12.4	20.5	22	22.5	22.5	51138	16182.73	12785.90	10806.32	11186.24
CPC14-3	07-02 18:00	2.88	-25.02	8950.369	8170.287	5842.375	4054.384	4667.937	12.4	20.5	22	22.5	22.5	51138	16182.56	12786.00	10806.50	11186.22
CPC14-3	07-02 19:00	2.88	-25.78	8950.809	8170.272	5842.237	4054.227	4667.937	12.4	20.5	22	22.5	22.5	51139	16182.55	12785.87	10806.34	11186.22
CPC14-3	07-02 20:00	2.87	-27.64	8950.711	8171.125	5842.429												

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	07-05 17:00	2.89	-18.16	8950.694	8170.227	5844.132	4055.821	4669.33	12.4	20.5	22	22.5	22.5	51141	16182.50	12787.76	10807.93	11187.61
CPC14-3	07-05 18:00	2.88	-20.94	8950.646	8171.108	5843.76	4055.544	4669.108	12.4	20.5	22	22.5	22.5	51141	16183.38	12787.39	10807.66	11187.39
CPC14-3	07-05 19:00	2.89	-23.56	8950.824	8170.616	5843.663	4055.529	4669.28	12.4	20.5	22	22.5	22.5	51142	16182.89	12787.29	10807.64	11187.56
CPC14-3	07-05 20:00	2.87	-25.55	8950.468	8170.376	5843.93	4055.559	4669.151	12.4	20.5	22	22.5	22.5	51141	16182.65	12787.56	10807.67	11187.43
CPC14-3	07-05 21:00	2.87	-27.26	8950.954	8170.407	5843.589	4055.634	4669.433	12.4	20.5	22	22.5	22.5	51142	16182.68	12787.22	10807.75	11187.71
CPC14-3	07-05 22:00	2.87	-27.88	8950.662	8170.394	5843.909	4055.619	4669.134	12.4	20.5	22	22.5	22.5	51142	16182.67	12787.54	10807.73	11187.41
CPC14-3	07-05 23:00	2.87	-28.03	8950.516	8170.512	5844.142	4055.694	4669.416	12.4	20.5	22	22.5	22.5	51141	16182.79	12787.77	10807.81	11187.70
CPC14-3	07-06 00:00	2.87	-28.17	8950.516	8170.348	5844.1	4055.791	4669.553	12.4	20.5	22	22.5	22.5	51141	16182.62	12787.73	10807.90	11187.83
CPC14-3	07-06 01:00	2.87	-29.02	8950.759	8170.227	5844.026	4056.083	4669.604	12.4	20.5	22	22.5	22.5	51142	16182.50	12787.65	10808.20	11187.88
CPC14-3	07-06 02:00	2.87	-29.32	8950.809	8170.526	5844.026	4055.858	4669.655	12.4	20.5	22	22.5	22.5	51142	16182.80	12787.65	10807.97	11187.94
CPC14-3	07-06 03:00	2.87	-29.52	8950.612	8170.512	5844.132	4055.903	4669.587	12.4	20.5	22	22.5	22.5	51142	16182.79	12787.76	10808.02	11187.87
CPC14-3	07-06 04:00	2.86	-29.63	8950.971	8170.78	5843.962	4055.679	4669.612	12.4	20.5	22	22.5	22.5	51142	16183.06	12787.59	10807.79	11187.89
CPC14-3	07-06 05:00	2.87	-29.99	8950.89	8170.002	5844.281	4056.023	4669.963	12.4	20.5	22	22.5	22.5	51142	16182.28	12787.91	10808.14	11188.24
CPC14-3	07-06 06:00	2.87	-30.51	8950.824	8170.394	5844.537	4055.648	4669.553	12.4	20.5	22	22.5	22.5	51142	16182.67	12788.17	10807.76	11187.83
CPC14-3	07-06 07:00	2.87	-28.87	8950.679	8170.57	5844.27	4055.866	4669.801	12.4	20.5	22	22.5	22.5	51142	16182.85	12787.90	10807.98	11188.08
CPC14-3	07-06 08:00	2.87	-24.93	8951.164	8170.735	5843.941	4056.016	4669.347	12.4	20.5	22	22.5	22.5	51142	16183.01	12787.57	10808.13	11187.63
CPC14-3	07-06 09:00	2.87	-22.46	8951.051	8170.989	5844.164	4055.979	4669.433	12.4	20.5	22	22.5	22.5	51142	16183.27	12787.79	10808.09	11187.71
CPC14-3	07-06 10:00	2.88	-21.94	8951.084	8170.871	5844.068	4056.188	4669.57	12.4	20.5	22	22.5	22.5	51142	16183.15	12787.70	10808.30	11187.85
CPC14-3	07-06 11:00	2.89	-21.47	8950.954	8170.705	5844.302	4056.255	4669.715	12.4	20.5	22	22.5	22.5	51142	16182.98	12787.93	10808.37	11188.00
CPC14-3	07-06 12:00	2.87	-22.34	8950.742	8170.838	5844.397	4056.18	4669.741	12.4	20.5	22	22.5	22.5	51142	16183.11	12788.03	10808.29	11188.02
CPC14-3	07-06 13:00	2.88	-25.24	8950.824	8170.69	5844.484	4056.427	4669.861	12.4	20.5	22	22.5	22.5	51142	16182.97	12788.11	10808.54	11188.14
CPC14-3	07-06 14:00	2.88	-24.84	8950.498	8170.198	5844.174	4056.442	4669.921	12.4	20.5	22	22.5	22.5	51142	16182.47	12787.80	10808.55	11188.20
CPC14-3	07-06 15:00	2.88	-26.28	8950.662	8170.96	5844.728	4056.3	4669.612	12.4	20.5	22	22.5	22.5	51142	16183.24	12788.36	10808.41	11187.89
CPC14-3	07-06 16:00	2.88	-28.82	8950.809	8170.989	5844.451	4056.121	4669.921	12.4	20.5	22	22.5	22.5	51142	16183.27	12788.08	10808.23	11188.20
CPC14-3	07-06 17:00	2.87	-30.78	8951.099	8170.855	5844.547	4056.338	4669.724	12.4	20.5	22	22.5	22.5	51143	16183.13	12788.18	10808.45	11188.00
CPC14-3	07-06 18:00	2.87	-31.48	8950.89	8170.794	5844.302	4056.023	4669.896	12.4	20.5	22	22.5	22.5	51143	16183.07	12787.93	10808.14	11188.18
CPC14-3	07-06 19:00	2.87	-31.48	8950.792	8170.675	5844.164	4056.465	4669.903	12.4	20.5	22	22.5	22.5	51143	16182.95	12787.79	10808.58	11188.18
CPC14-3	07-06 20:00	2.87	-31.37	8951.148	8170.348	5844.281	4056.158	4669.561	12.4	20.5	22	22.5	22.5	51143	16182.62	12787.91	10808.27	11187.84
CPC14-3	07-06 21:00	2.86	-31.37	8950.483	8170.766	5844.505	4055.813	4669.75	12.4	20.5	22	22.5	22.5	51142	16183.04	12788.13	10807.93	11188.03
CPC14-3	07-06 22:00	2.87	-31.42	8950.759	8170.497	5844.218	4056.255	4669.724	12.4	20.5	22	22.5	22.5	51143	16182.77	12787.85	10808.37	11188.00
CPC14-3	07-06 23:00	2.86	-31.53	8950.792	8170.601	5844.292	4056.158	4669.826	12.4	20.5	22	22.5	22.5	51143	16182.88	12787.92	10808.27	11188.11
CPC14-3	07-07 00:00	2.86	-31.64	8951.23	8170.9	5844.6	4056.158	4669.861	12.4	20.5	22	22.5	22.5	51143	16183.18	12788.23	10808.27	11188.14
CPC14-3	07-07 01:00	2.86	-31.75	8950.679	8171.258	5844.973	4056.023	4669.997	12.4	20.5	22	22.5	22.5	51143	16183.53	12788.60	10808.14	11188.28
CPC14-3	07-07 02:00	2.87	-32.03	8950.532	8170.452	5844.196	4056.068	4669.955	12.4	20.5	22	22.5	22.5	51143	16182.73	12787.82	10808.18	11188.24
CPC14-3	07-07 03:00	2.86	-32.2	8950.824	8171.125	5844.803												

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	07-10 00:00	2.86	-31.75	8950.581	8171.856	5845.579	4057.483	4670.623	12.4	20.5	22	22.5	22.5	51146	16184.13	12789.21	10809.60	11188.90
CPC14-3	07-10 01:00	2.86	-31.64	8951.473	8171.676	5845.377	4057.325	4670.648	12.4	20.5	22	22.5	22.5	51146	16183.95	12789.01	10809.44	11188.93
CPC14-3	07-10 02:00	2.86	-31.7	8951.263	8171.586	5844.728	4057.528	4670.965	12.4	20.5	22	22.5	22.5	51146	16183.86	12788.36	10809.64	11189.25
CPC14-3	07-10 03:00	2.85	-32.42	8950.629	8172.005	5845.346	4057.58	4670.597	12.4	20.5	22	22.5	22.5	51146	16184.28	12788.97	10809.69	11188.88
CPC14-3	07-10 04:00	2.85	-32.87	8951.31	8172.081	5845.143	4057.678	4670.759	12.4	20.5	22	22.5	22.5	51146	16184.36	12788.77	10809.79	11189.04
CPC14-3	07-10 05:00	2.86	-33.5	8951.213	8172.036	5845.101	4057.603	4670.623	12.4	20.5	22	22.5	22.5	51146	16184.31	12788.73	10809.72	11188.90
CPC14-3	07-10 06:00	2.85	-33.91	8950.612	8171.691	5845.356	4057.468	4670.853	12.4	20.5	22	22.5	22.5	51146	16183.97	12788.98	10809.58	11189.13
CPC14-3	07-10 07:00	2.85	-32.31	8951.684	8171.872	5845.452	4057.483	4670.887	12.4	20.5	22	22.5	22.5	51147	16184.15	12789.08	10809.60	11189.17
CPC14-3	07-10 08:00	2.86	-27.16	8950.971	8172.246	5845.729	4057.4	4671.033	12.4	20.5	22	22.5	22.5	51146	16184.52	12789.36	10809.51	11189.31
CPC14-3	07-10 09:00	2.86	-25.73	8950.937	8172.335	5845.4	4057.416	4670.982	12.4	20.5	22	22.5	22.5	51146	16184.61	12789.03	10809.53	11189.26
CPC14-3	07-10 10:00	2.87	-25.73	8951.278	8172.364	5845.485	4057.476	4671.016	12.4	20.5	22	22.5	22.5	51147	16184.64	12789.11	10809.59	11189.30
CPC14-3	07-10 11:00	2.88	-25.42	8951.731	8172.335	5845.782	4057.446	4671.033	12.4	20.5	22	22.5	22.5	51147	16184.61	12789.41	10809.56	11189.31
	07-10 12:00	2.82	-24.58	8950.984	8171.767	5845.421	4057.491	4671.161	12.4	20.5	22	22.5	22.5	51146	16184.04	12789.05	10809.60	11189.44
	07-10 13:00	2.84	-23.52	8950.937	8172.901	5845.547	4057.453	4670.913	12.4	20.5	22	22.5	22.5	51146	16185.18	12789.18	10809.57	11189.19
	07-10 14:00	2.85	-22.06	8950.727	8172.186	5845.516	4057.244	4670.999	12.4	20.5	22	22.5	22.5	51146	16184.46	12789.14	10809.36	11189.28
	07-10 15:00	2.86	-22.22	8950.646	8172.065	5845.421	4057.634	4670.913	12.4	20.5	22	22.5	22.5	51146	16184.34	12789.05	10809.75	11189.19
	07-10 16:00	2.85	-23.52	8951.374	8171.812	5845.282	4057.498	4671.161	12.4	20.5	22	22.5	22.5	51147	16184.09	12788.91	10809.61	11189.44
	07-10 17:00	2.86	-21.32	8950.954	8172.304	5845.186	4057.738	4671.109	12.4	20.5	22	22.5	22.5	51147	16184.58	12788.81	10809.85	11189.39
	07-10 18:00	2.86	-22.02	8950.923	8172.022	5845.506	4057.797	4671.109	12.4	20.5	22	22.5	22.5	51147	16184.30	12789.13	10809.91	11189.39
	07-10 19:00	2.86	-23.27	8951.066	8172.081	5845.782	4057.678	4671.067	12.4	20.5	22	22.5	22.5	51147	16184.36	12789.41	10809.79	11189.35
	07-10 20:00	2.85	-26.97	8950.984	8172.23	5845.57	4057.85	4671.196	12.4	20.5	22	22.5	22.5	51147	16184.51	12789.20	10809.96	11189.48
	07-10 21:00	2.85	-28.57	8950.55	8172.259	5845.368	4057.805	4671.076	12.4	20.5	22	22.5	22.5	51146	16184.54	12789.00	10809.92	11189.36
	07-10 22:00	2.85	-29.27	8951.164	8171.978	5845.43	4057.723	4671.221	12.4	20.5	22	22.5	22.5	51147	16184.25	12789.06	10809.84	11189.50
	07-10 23:00	2.85	-30.3	8951.31	8172.05	5845.644	4057.73	4671.186	12.4	20.5	22	22.5	22.5	51147	16184.33	12789.27	10809.84	11189.47
	07-11 00:00	2.85	-31.15	8951.066	8172.395	5845.495	4057.386	4671.308	12.4	20.5	22	22.5	22.5	51147	16184.67	12789.12	10809.50	11189.59
	07-11 01:00	2.85	-31.48	8950.662	8171.736	5845.941	4057.671	4671.161	12.4	20.5	22	22.5	22.5	51147	16184.01	12789.57	10809.78	11189.44
	07-11 02:00	2.85	-31.75	8950.87	8172.05	5845.782	4057.791	4671.281	12.4	20.5	22	22.5	22.5	51147	16184.33	12789.41	10809.90	11189.56
	07-11 03:00	2.84	-32.14	8951.439	8171.886	5846.081	4057.745	4671.427	12.4	20.5	22	22.5	22.5	51148	16184.16	12789.71	10809.86	11189.71
	07-11 04:00	2.84	-32.31	8950.629	8172.081	5845.696	4057.835	4671.35	12.4	20.5	22	22.5	22.5	51147	16184.36	12789.32	10809.95	11189.63
	07-11 05:00	2.83	-32.31	8950.841	8172.29	5845.591	4057.858	4671.247	12.4	20.5	22	22.5	22.5	51147	16184.57	12789.22	10809.97	11189.53
	07-11 06:00	2.84	-32.36	8950.824	8172.335	5845.782	4058.038	4671.179	12.4	20.5	22	22.5	22.5	51147	16184.61	12789.41	10810.15	11189.46
	07-11 07:00	2.83	-29.37	8951.02	8172.246	5845.559	4058.067	4671.221	12.4	20.5	22	22.5	22.5	51147	16184.52	12789.19	10810.18	11189.50
	07-11 08:00	2.84	-23.73	8950.984	8172.319	5845.856	4058.263	4671.281	12.4	20.5	22	22.5	22.5	51147	16184.60	12789.48	10810.38	11189.56
	07-11 09:00	2.85	-21.47	8951.213	8172.11	5845.761	4058.389	4671.127	12.4	20.5	22	22.5	22.5	51148	16184.39	12789.39	10810.50	11189.41
	07-11 10:00	2.86	-21.05	8950.856	8172.484	5846.06	4058.3	4671.409	12.4	20.5	22	22.5	22.5	51147	16184.76	12789.69	10810.41	11189.69
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Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
	07-14 07:00	2.84	-28.97	8950.954	8173.365	5846.997	4059.349	4672.635	12.4	20.5	22	22.5	22.5	51150	16185.64	12790.63	10811.46	11190.92
	07-14 08:00	2.85	-21.82	8950.87	8173.26	5847.285	4059.477	4672.506	12.4	20.5	22	22.5	22.5	51150	16185.54	12790.91	10811.59	11190.79
	07-14 09:00	2.85	-19.97	8951.195	8173.292	5847.326	4059.552	4672.574	12.4	20.5	22	22.5	22.5	51151	16185.57	12790.95	10811.66	11190.85
	07-14 10:00	2.86	-20.34	8950.906	8173.187	5847.21	4059.544	4672.72	12.4	20.5	22	22.5	22.5	51150	16185.46	12790.84	10811.66	11191.00
	07-14 11:00	2.86	-19.64	8951.31	8173.187	5847.317	4059.469	4672.548	12.4	20.5	22	22.5	22.5	51151	16185.46	12790.95	10811.58	11190.83
	07-14 12:00	2.87	-25.02	8951.345	8173.097	5847.061	4059.318	4672.625	12.4	20.5	22	22.5	22.5	51151	16185.37	12790.69	10811.43	11190.91
	07-14 13:00	2.85	-28.22	8951.116	8173.621	5847.146	4059.581	4672.642	12.4	20.5	22	22.5	22.5	51151	16185.90	12790.77	10811.69	11190.92
	07-14 14:00	2.85	-29.73	8950.792	8173.471	5847.252	4059.619	4672.479	12.4	20.5	22	22.5	22.5	51150	16185.75	12790.88	10811.73	11190.76
	07-14 15:00	2.85	-29.58	8950.532	8173.351	5846.891	4059.184	4672.54	12.4	20.5	22	22.5	22.5	51150	16185.63	12790.52	10811.30	11190.82
	07-14 16:00	2.84	-29.73	8951.424	8173.201	5847.443	4059.289	4672.488	12.4	20.5	22	22.5	22.5	51151	16185.48	12791.07	10811.40	11190.77
	07-14 17:00	2.85	-29.17	8950.388	8173.037	5847.168	4059.289	4672.335	12.4	20.5	22	22.5	22.5	51150	16185.31	12790.80	10811.40	11190.62
	07-14 18:00	2.85	-29.47	8951.02	8173.112	5847.146	4059.236	4672.402	12.4	20.5	22	22.5	22.5	51151	16185.39	12790.77	10811.35	11190.68
	07-14 19:00	2.84	-29.58	8951.051	8173.411	5847.008	4059.469	4672.771	12.4	20.5	22	22.5	22.5	51151	16185.69	12790.64	10811.58	11191.05
	07-14 20:00	2.84	-30.57	8951.521	8173.396	5847.156	4059.379	4672.54	12.4	20.5	22	22.5	22.5	51151	16185.67	12790.78	10811.49	11190.82
	07-14 21:00	2.84	-31.21	8950.906	8173.65	5847.305	4059.498	4672.831	12.4	20.5	22	22.5	22.5	51151	16185.93	12790.93	10811.61	11191.11
	07-14 22:00	2.84	-31.05	8951.066	8173.485	5847.029	4059.596	4672.531	12.4	20.5	22	22.5	22.5	51151	16185.76	12790.66	10811.71	11190.81
	07-14 23:00	2.85	-31.26	8951.473	8173.248	5847.391	4059.552	4672.531	12.4	20.5	22	22.5	22.5	51151	16185.52	12791.02	10811.66	11190.81
	07-15 00:00	2.84	-31.53	8950.984	8173.574	5847.049	4059.492	4672.712	12.4	20.5	22	22.5	22.5	51151	16185.85	12790.68	10811.60	11190.99
	07-15 01:00	2.84	-31.53	8951.116	8173.665	5847.466	4059.529	4672.754	12.4	20.5	22	22.5	22.5	51151	16185.94	12791.09	10811.64	11191.03
	07-15 02:00	2.84	-31.92	8951.002	8173.517	5847.082	4059.656	4672.822	12.4	20.5	22	22.5	22.5	51151	16185.79	12790.71	10811.77	11191.10
	07-15 03:00	2.84	-32.59	8950.775	8173.471	5847.348	4059.709	4672.635	12.4	20.5	22	22.5	22.5	51151	16185.75	12790.98	10811.82	11190.92
	07-15 04:00	2.84	-32.64	8950.984	8173.067	5847.496	4059.484	4672.763	12.4	20.5	22	22.5	22.5	51151	16185.34	12791.12	10811.60	11191.04
	07-15 05:00	2.84	-32.81	8951.358	8173.679	5847.029	4059.544	4672.685	12.4	20.5	22	22.5	22.5	51152	16185.96	12790.66	10811.66	11190.97
	07-15 06:00	2.84	-32.42	8951.066	8173.5	5847.093	4059.649	4672.635	12.4	20.5	22	22.5	22.5	51151	16185.78	12790.72	10811.76	11190.92
	07-15 07:00	2.83	-29.83	8950.856	8173.679	5847.252	4059.402	4672.779	12.4	20.5	22	22.5	22.5	51151	16185.96	12790.88	10811.51	11191.06
	07-15 08:00	2.84	-24.58	8951.278	8173.337	5847.37	4059.784	4672.993	12.4	20.5	22	22.5	22.5	51152	16185.61	12791.00	10811.90	11191.27
	07-15 09:00	2.85	-22.82	8951.439	8173.306	5847.668	4059.889	4673.045	12.4	20.5	22	22.5	22.5	51152	16185.58	12791.30	10812.00	11191.33
	07-15 10:00	2.86	-21.94	8951.358	8173.157	5848.094	4059.933	4673.122	12.4	20.5	22	22.5	22.5	51152	16185.43	12791.72	10812.05	11191.40
	07-15 11:00	2.85	-21.28	8951.278	8173.097	5847.934	4060.098	4673.241	12.4	20.5	22	22.5	22.5	51152	16185.37	12791.56	10812.21	11191.52
	07-15 12:00	2.86	-20.98	8951.066	8173.621	5848.073	4059.904	4673.268	12.4	20.5	22	22.5	22.5	51152	16185.90	12791.70	10812.02	11191.55
	07-15 13:00	2.86	-20.52	8950.906	8173.023	5847.795	4059.859	4672.6	12.4	20.5	22	22.5	22.5	51151	16185.30	12791.42	10811.97	11190.88
	07-15 14:00	2.86	-19.68	8950.971	8173.396	5847.956	4059.889	4672.727	12.4	20.5	22	22.5	22.5	51152	16185.67	12791.58	10812.00	11191.01
	07-15 15:00	2.86	-25.55	8951.084	8173.337	5847.828	4059.941	4673.345	12.4	20.5	22	22.5	22.5	51152	16185.61	12791.46	10812.05	11191.63
	07-15 16:00	2.85	-22.38	8951.246	8173.754	5847.678	4059.941	4672.865	12.4	20.5	22	22.5	22.5	51152	16186.03	12791.31	10812.05	11191.15
	07-15 17:00	2.85	-22.18	8951.148	8173.067	5847.625	4059.799	4673.07	12.4	20.5	22	22.5	22.5	51152	16185.34	12791.25	10811.91	

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
	07-18 14:00	2.86	-20.11	8951.473	8173.995	5848.691	4061.291	4673.858	12.4	20.5	22	22.5	22.5	51155	16186.27	12792.32	10813.40	11192.14
	07-18 15:00	2.85	-22.26	8951.798	8174.458	5848.531	4061.329	4673.696	12.4	20.5	22	22.5	22.5	51155	16186.73	12792.16	10813.44	11191.98
	07-18 16:00	2.86	-24.76	8951.572	8174.322	5848.361	4061.104	4673.816	12.4	20.5	22	22.5	22.5	51155	16186.60	12791.99	10813.22	11192.10
	07-18 17:00	2.86	-24.84	8951.23	8174.486	5848.009	4061.291	4673.678	12.4	20.5	22	22.5	22.5	51155	16186.76	12791.64	10813.40	11191.96
	07-18 18:00	2.85	-25.55	8951.586	8173.948	5864.839	4061.149	4673.568	12.4	20.5	22	22.5	22.5	51155	16186.22	12808.47	10813.26	11191.85
	07-18 19:00	2.84	-26.55	8951.02	8174.592	5848.371	4061.149	4673.807	12.4	20.5	22	22.5	22.5	51155	16186.87	12792.00	10813.26	11192.09
	07-18 20:00	2.84	-27.54	8951.537	8174.607	5848.244	4060.938	4673.858	12.4	20.5	22	22.5	22.5	51155	16186.88	12791.87	10813.05	11192.14
	07-18 21:00	2.85	-28.22	8951.181	8174.772	5848.531	4061.171	4673.627	12.4	20.5	22	22.5	22.5	51155	16187.05	12792.16	10813.28	11191.91
	07-18 22:00	2.84	-28.72	8951.424	8174.218	5848.638	4061.134	4673.995	12.4	20.5	22	22.5	22.5	51155	16186.49	12792.27	10813.25	11192.28
	07-18 23:00	2.84	-29.99	8951.439	8173.89	5848.787	4061.066	4674.09	12.4	20.5	22	22.5	22.5	51155	16186.17	12792.42	10813.18	11192.37
	07-19 00:00	2.84	-30.35	8951.181	8173.979	5848.488	4061.134	4673.987	12.4	20.5	22	22.5	22.5	51155	16186.26	12792.12	10813.25	11192.27
	07-19 01:00	2.85	-29.78	8951.263	8174.053	5848.329	4061.059	4673.919	12.4	20.5	22	22.5	22.5	51155	16186.33	12791.96	10813.17	11192.20
	07-19 02:00	2.83	-29.47	8951.554	8174.728	5848.745	4061.223	4674.03	12.4	20.5	22	22.5	22.5	51156	16187.00	12792.37	10813.34	11192.31
	07-19 03:00	2.84	-30.2	8951.603	8174.128	5848.711	4061.021	4673.935	12.4	20.5	22	22.5	22.5	51156	16186.40	12792.34	10813.13	11192.22
	07-19 04:00	2.83	-31.05	8951.505	8174.084	5848.563	4061.344	4673.901	12.4	20.5	22	22.5	22.5	51156	16186.36	12792.19	10813.46	11192.18
	07-19 05:00	2.83	-31.21	8951.31	8174.262	5848.711	4061.163	4674.149	12.4	20.5	22	22.5	22.5	51155	16186.54	12792.34	10813.28	11192.43
	07-19 06:00	2.84	-30.41	8951.246	8173.634	5848.893	4061.156	4674.09	12.4	20.5	22	22.5	22.5	51155	16185.91	12792.52	10813.27	11192.37
	07-19 07:00	2.83	-28.97	8951.458	8174.53	5848.605	4061.171	4674.064	12.4	20.5	22	22.5	22.5	51156	16186.81	12792.23	10813.28	11192.34
	07-19 08:00	2.84	-24.71	8951.294	8173.799	5848.819	4061.239	4674.03	12.4	20.5	22	22.5	22.5	51156	16186.08	12792.45	10813.35	11192.31
	07-19 09:00	2.85	-22.22	8951.861	8174.53	5848.904	4061.163	4674.072	12.4	20.5	22	22.5	22.5	51156	16186.81	12792.53	10813.28	11192.35
	07-19 10:00	2.85	-19.28	8951.374	8174.382	5848.563	4061.329	4674.33	12.4	20.5	22	22.5	22.5	51156	16186.66	12792.19	10813.44	11192.61
	07-19 11:00	2.86	-18.36	8951.505	8174.188	5849.033	4061.523	4674.055	12.4	20.5	22	22.5	22.5	51156	16186.46	12792.66	10813.64	11192.34
	07-19 12:00	2.86	-18.99	8951.505	8174.652	5849.021	4061.299	4674.407	12.4	20.5	22	22.5	22.5	51156	16186.93	12792.65	10813.41	11192.69
	07-19 13:00	2.86	-19.03	8950.89	8174.683	5848.968	4061.802	4674.261	12.4	20.5	22	22.5	22.5	51155	16186.96	12792.60	10813.91	11192.54
	07-19 14:00	2.86	-22.06	8951.7	8173.754	5849.298	4061.516	4674.159	12.4	20.5	22	22.5	22.5	51156	16186.03	12792.93	10813.63	11192.44
	07-19 15:00	2.85	-23.23	8951.521	8174.053	5849.033	4061.26	4674.286	12.4	20.5	22	22.5	22.5	51156	16186.33	12792.66	10813.37	11192.57
	07-19 16:00	2.85	-22.14	8951.635	8174.293	5848.766	4061.419	4674.441	12.4	20.5	22	22.5	22.5	51156	16186.57	12792.39	10813.53	11192.72
	07-19 17:00	2.85	-23.56	8951.586	8174.278	5849.086	4061.419	4674.236	12.4	20.5	22	22.5	22.5	51156	16186.55	12792.71	10813.53	11192.52
	07-19 18:00	2.85	-25.42	8951.393	8174.158	5848.68	4061.779	4674.313	12.4	20.5	22	22.5	22.5	51156	16186.43	12792.31	10813.89	11192.59
	07-19 19:00	2.85	-26.28	8951.521	8174.414	5849.235	4061.479	4674.449	12.4	20.5	22	22.5	22.5	51156	16186.69	12792.86	10813.59	11192.73
	07-19 20:00	2.84	-27.59	8951.294	8174.053	5849.171	4061.456	4674.244	12.4	20.5	22	22.5	22.5	51156	16186.33	12792.80	10813.57	11192.52
	07-19 21:00	2.84	-27.88	8951.586	8174.576	5849.021	4061.456	4674.03	12.4	20.5	22	22.5	22.5	51156	16186.85	12792.65	10813.57	11192.31
	07-19 22:00	2.85	-28.97	8951.31	8174.502	5849.213	4061.44	4674.141	12.4	20.5	22	22.5	22.5	51156	16186.78	12792.84	10813.55	11192.42
	07-19 23:00	2.84	-29.37	8951.263	8174.427	5849.118	4061.299	4674.184	12.4	20.5	22	22.5	22.5	51156	16186.70	12792.75	10813.41	11192.46
	07-20 00:00	2.84	-29.68	8951.407	8174.547	5849.256	4061.569	4674.295	12.4	20.5	22	22.5	22.5	51156	16186.82	12792.88	10813.68	11192.58
	07-20 01:00	2.84	-29.83	8951.424	8174.518													

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
	07-22 21:00	2.84	-26.79	8951.084	8175.146	5850.204	4062.582	4675.281	12.4	20.5	22	22.5	22.5	51159	16187.42	12793.83	10814.69	11193.56
	07-22 22:00	2.84	-27.64	8951.684	8175.668	5850.162	4062.889	4675.495	12.4	20.5	22	22.5	22.5	51160	16187.94	12793.79	10815.00	11193.78
	07-22 23:00	2.83	-28.67	8951.051	8174.772	5849.703	4062.837	4675.427	12.4	20.5	22	22.5	22.5	51159	16187.05	12793.33	10814.95	11193.71
	07-23 00:00	2.83	-29.22	8951.002	8174.563	5849.928	4062.806	4675.581	12.4	20.5	22	22.5	22.5	51159	16186.84	12793.56	10814.92	11193.86
	07-23 01:00	2.83	-29.63	8950.598	8175.191	5850.301	4062.979	4675.666	12.4	20.5	22	22.5	22.5	51159	16187.47	12793.93	10815.09	11193.95
	07-23 02:00	2.83	-29.63	8951.099	8175.459	5850.077	4062.858	4675.752	12.4	20.5	22	22.5	22.5	51159	16187.74	12793.71	10814.97	11194.03
	07-23 03:00	2.82	-30.41	8950.516	8175.519	5849.981	4063.122	4675.495	12.4	20.5	22	22.5	22.5	51159	16187.80	12793.61	10815.23	11193.78
	07-23 04:00	2.83	-30.67	8951.051	8175.311	5850.301	4062.822	4675.538	12.4	20.5	22	22.5	22.5	51159	16187.59	12793.93	10814.93	11193.82
	07-23 05:00	2.82	-30.99	8951.181	8175.564	5850.195	4062.979	4675.606	12.4	20.5	22	22.5	22.5	51159	16187.84	12793.82	10815.09	11193.89
	07-23 06:00	2.83	-31.26	8950.532	8175.115	5850.312	4063.099	4675.504	12.4	20.5	22	22.5	22.5	51159	16187.39	12793.94	10815.21	11193.78
	07-23 07:00	2.83	-29.27	8950.742	8175.519	5850.344	4063.159	4675.495	12.4	20.5	22	22.5	22.5	51159	16187.80	12793.97	10815.27	11193.78
	07-23 08:00	2.83	-22.66	8951.099	8175.279	5850.195	4062.964	4675.615	12.4	20.5	22	22.5	22.5	51159	16187.56	12793.82	10815.08	11193.90
	07-23 09:00	2.84	-20.34	8951.278	8175.339	5850.397	4062.979	4675.7	12.4	20.5	22	22.5	22.5	51160	16187.62	12794.03	10815.09	11193.98
	07-23 10:00	2.84	-19.57	8951.521	8176.013	5850.322	4063.016	4675.64	12.4	20.5	22	22.5	22.5	51160	16188.29	12793.95	10815.13	11193.92
	07-23 11:00	2.85	-19.35	8951.358	8175.415	5849.682	4062.912	4675.444	12.4	20.5	22	22.5	22.5	51160	16187.69	12793.31	10815.02	11193.72
	07-23 12:00	2.85	-18.61	8951.23	8175.4	5850.45	4062.949	4675.624	12.4	20.5	22	22.5	22.5	51160	16187.68	12794.08	10815.06	11193.90
	07-23 13:00	2.85	-18.12	8951.134	8175.579	5850.355	4063.092	4675.64	12.4	20.5	22	22.5	22.5	51160	16187.86	12793.98	10815.20	11193.92
	07-23 14:00	2.85	-18.09	8951.345	8176.268	5850.418	4063.092	4675.64	12.4	20.5	22	22.5	22.5	51160	16188.54	12794.05	10815.20	11193.92
	07-23 15:00	2.85	-18.26	8951.116	8176.192	5850.289	4062.949	4675.375	12.4	20.5	22	22.5	22.5	51160	16188.47	12793.92	10815.06	11193.66
	07-23 16:00	2.85	-19.14	8950.971	8175.4	5850.472	4063.054	4675.581	12.4	20.5	22	22.5	22.5	51160	16187.68	12794.10	10815.17	11193.86
	07-23 17:00	2.85	-18.33	8951.23	8174.952	5850.439	4063.085	4675.761	12.4	20.5	22	22.5	22.5	51160	16187.23	12794.07	10815.20	11194.04
	07-23 18:00	2.85	-17.78	8951.099	8175.594	5850.482	4063.024	4675.812	12.4	20.5	22	22.5	22.5	51160	16187.87	12794.11	10815.14	11194.09
	07-23 19:00	2.85	-21.67	8951.148	8175.459	5850.269	4063.294	4675.854	12.4	20.5	22	22.5	22.5	51160	16187.74	12793.90	10815.41	11194.13
	07-23 20:00	2.85	-23.82	8951.521	8175.429	5849.938	4063.122	4675.563	12.4	20.5	22	22.5	22.5	51160	16187.71	12793.57	10815.23	11193.84
	07-23 21:00	2.84	-25.78	8951.877	8175.355	5850.289	4063.137	4675.777	12.4	20.5	22	22.5	22.5	51161	16187.63	12793.92	10815.25	11194.06
	07-23 22:00	2.84	-27.54	8950.809	8175.699	5850.652	4063.016	4675.375	12.4	20.5	22	22.5	22.5	51160	16187.98	12794.28	10815.13	11193.66
	07-23 23:00	2.84	-27.54	8951.195	8175.475	5850.45	4063.062	4675.966	12.4	20.5	22	22.5	22.5	51160	16187.75	12794.08	10815.17	11194.25
	07-24 00:00	2.83	-26.97	8950.89	8175.639	5850.834	4062.918	4675.444	12.4	20.5	22	22.5	22.5	51160	16187.92	12794.46	10815.03	11193.72
	07-24 01:00	2.83	-27.78	8950.209	8175.429	5850.439	4063.339	4675.435	12.4	20.5	22	22.5	22.5	51159	16187.71	12794.07	10815.45	11193.72
	07-24 02:00	2.84	-28.47	8950.581	8175.729	5850.045	4062.904	4675.881	12.4	20.5	22	22.5	22.5	51160	16188.01	12793.67	10815.02	11194.16
	07-24 03:00	2.83	-28.62	8950.984	8175.744	5850.344	4063.024	4675.752	12.4	20.5	22	22.5	22.5	51160	16188.02	12793.97	10815.14	11194.03
	07-24 04:00	2.83	-28.57	8950.984	8174.997	5850.684	4063.175	4675.743	12.4	20.5	22	22.5	22.5	51160	16187.27	12794.31	10815.29	11194.02
	07-24 05:00	2.83	-28.67	8951.928	8175.594	5850.684	4063.362	4676.061	12.4	20.5	22	22.5	22.5	51161	16187.87	12794.31	10815.47	11194.34
	07-24 06:00	2.83	-28.22	8950.841	8175.102	5850.867	4063.325	4675.881	12.4	20.5	22	22.5	22.5	51160	16187.38	12794.50	10815.44	11194.16
	07-24 07:00	2.83	-26.74	8950.923	8175.564	5850.61	4063.175	4675.718	12.4	20.5	22	22.5	22.5	51160	16187.84	12794.24	10815.29	11194.00
	07-24 08:00	2.84	-24.89	8951.246	8175.325													

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
	07-27 04:00	2.83	-30.09	8950.516	8176.027	5851.922	4064.27	4677.201	12.4	20.5	22	22.5	22.5	51163	16188.30	12795.55	10816.38	11195.48
	07-27 05:00	2.83	-29.99	8951.345	8176.611	5851.644	4064.345	4677.167	12.4	20.5	22	22.5	22.5	51164	16188.89	12795.27	10816.46	11195.45
	07-27 06:00	2.83	-29.52	8950.759	8176.626	5851.656	4064.586	4677.44	12.4	20.5	22	22.5	22.5	51163	16188.90	12795.28	10816.70	11195.72
	07-27 07:00	2.83	-27.74	8950.775	8176.283	5851.346	4064.533	4677.261	12.4	20.5	22	22.5	22.5	51163	16188.56	12794.97	10816.65	11195.54
	07-27 08:00	2.83	-25.51	8951.213	8176.492	5851.271	4064.677	4677.338	12.4	20.5	22	22.5	22.5	51164	16188.77	12794.90	10816.79	11195.62
	07-27 09:00	2.84	-22.5	8951.034	8176.582	5851.761	4064.616	4677.691	12.4	20.5	22	22.5	22.5	51163	16188.86	12795.39	10816.73	11195.97
	07-27 10:00	2.85	-21.36	8950.792	8176.283	5851.603	4064.646	4677.716	12.4	20.5	22	22.5	22.5	51163	16188.56	12795.23	10816.76	11196.00
	07-27 11:00	2.85	-20.08	8951.278	8176.268	5851.603	4064.594	4677.827	12.4	20.5	22	22.5	22.5	51164	16188.54	12795.23	10816.71	11196.11
	07-27 12:00	2.85	-20.6	8951.263	8176.357	5851.346	4064.548	4677.458	12.4	20.5	22	22.5	22.5	51164	16188.63	12794.97	10816.66	11195.74
	07-27 13:00	2.85	-19.42	8951.099	8176.672	5851.697	4064.766	4677.562	12.4	20.5	22	22.5	22.5	51164	16188.95	12795.33	10816.88	11195.84
	07-27 14:00	2.85	-18.96	8951.116	8176.851	5851.794	4064.421	4677.296	12.4	20.5	22	22.5	22.5	51164	16189.13	12795.42	10816.53	11195.58
	07-27 15:00	2.85	-18.19	8951.195	8176.999	5851.314	4064.683	4677.552	12.4	20.5	22	22.5	22.5	51164	16189.28	12794.94	10816.80	11195.83
	07-27 16:00	2.85	-17.44	8951.23	8176.672	5851.656	4064.624	4677.244	12.4	20.5	22	22.5	22.5	51164	16188.95	12795.28	10816.74	11195.52
	07-27 17:00	2.85	-17.95	8951.31	8176.626	5851.773	4064.751	4677.51	12.4	20.5	22	22.5	22.5	51164	16188.90	12795.40	10816.86	11195.79
	07-27 18:00	2.85	-20.11	8951.084	8176.565	5851.9	4064.518	4677.716	12.4	20.5	22	22.5	22.5	51164	16188.84	12795.53	10816.63	11196.00
	07-27 19:00	2.85	-21.44	8951.134	8176.552	5851.761	4064.924	4677.415	12.4	20.5	22	22.5	22.5	51164	16188.83	12795.39	10817.04	11195.70
	07-27 20:00	2.84	-24.33	8951.002	8177.059	5851.623	4064.766	4677.484	12.4	20.5	22	22.5	22.5	51164	16189.34	12795.25	10816.88	11195.76
	07-27 21:00	2.84	-26.37	8951.747	8176.492	5852.07	4064.624	4677.655	12.4	20.5	22	22.5	22.5	51165	16188.77	12795.70	10816.74	11195.94
	07-27 22:00	2.84	-27.3	8951.034	8175.624	5851.773	4064.842	4677.415	12.4	20.5	22	22.5	22.5	51164	16187.90	12795.40	10816.95	11195.70
	07-27 23:00	2.83	-27.69	8951.181	8176.777	5851.858	4064.781	4677.398	12.4	20.5	22	22.5	22.5	51164	16189.05	12795.49	10816.89	11195.68
	07-28 00:00	2.83	-27.98	8950.984	8176.565	5851.751	4064.849	4676.986	12.4	20.5	22	22.5	22.5	51164	16188.84	12795.38	10816.96	11195.27
	07-28 01:00	2.83	-28.47	8950.711	8176.403	5851.506	4064.555	4677.363	12.4	20.5	22	22.5	22.5	51164	16188.68	12795.13	10816.67	11195.64
	07-28 02:00	2.83	-28.82	8951.134	8176.103	5851.453	4064.773	4677.579	12.4	20.5	22	22.5	22.5	51164	16188.38	12795.08	10816.89	11195.86
	07-28 03:00	2.82	-29.12	8951.02	8176.492	5851.495	4064.511	4677.115	12.4	20.5	22	22.5	22.5	51164	16188.77	12795.12	10816.62	11195.40
	07-28 04:00	2.83	-29.58	8950.694	8176.717	5851.656	4064.609	4677.278	12.4	20.5	22	22.5	22.5	51164	16188.99	12795.28	10816.72	11195.56
	07-28 05:00	2.83	-29.99	8950.954	8176.865	5851.89	4064.879	4677.235	12.4	20.5	22	22.5	22.5	51164	16189.14	12795.52	10816.99	11195.52
	07-28 06:00	2.82	-30.2	8950.694	8176.52	5852.05	4064.901	4677.415	12.4	20.5	22	22.5	22.5	51164	16188.80	12795.68	10817.01	11195.70
	07-28 07:00	2.83	-29.02	8951.134	8176.295	5851.612	4065.029	4677.45	12.4	20.5	22	22.5	22.5	51164	16188.57	12795.24	10817.14	11195.73
	07-28 08:00	2.83	-23.19	8950.792	8176.417	5851.976	4065.044	4677.698	12.4	20.5	22	22.5	22.5	51164	16188.69	12795.60	10817.16	11195.98
	07-28 09:00	2.84	-21.94	8951.034	8176.178	5852.263	4065.254	4677.982	12.4	20.5	22	22.5	22.5	51164	16188.45	12795.89	10817.37	11196.26
	07-28 10:00	2.84	-20.67	8951.134	8176.672	5852.392	4065.112	4677.93	12.4	20.5	22	22.5	22.5	51165	16188.95	12796.02	10817.22	11196.21
	07-28 11:00	2.85	-20.08	8951.02	8176.745	5852.007	4064.924	4677.673	12.4	20.5	22	22.5	22.5	51164	16189.02	12795.64	10817.04	11195.95
	07-28 12:00	2.85	-19.97	8950.937	8177.059	5852.029	4065.059	4677.8	12.4	20.5	22	22.5	22.5	51164	16189.34	12795.66	10817.17	11196.08
	07-28 13:00	2.85	-20.19	8951.034	8176.552	5851.814	4065.096	4677.647	12.4	20.5	22	22.5	22.5	51165	16188.83	12795.44	10817.21	11195.93
	07-28 14:00	2.85	-19.17	8951.407	8176.461	5852.135	4064.916	4677.818	12.4	20.5	22	22.5	22.5	51165	16188.74	12795.76	10817.03	11196.10
	07-28 15:00	2.85	-18.4	8951.458	8176.655	585												

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	07-31 11:00	2.81	-22.3	8951.164	8176.896	5852.956	4066.239	4678.711	12.4	20.5	22	22.5	22.5	51168	16189.17	12796.58	10818.35	11196.99
CPC14-3	07-31 12:00	2.82	-24.11	8951.116	8176.761	5853.169	4066.171	4678.719	12.4	20.5	22	22.5	22.5	51168	16189.04	12796.80	10818.28	11197.00
CPC14-3	07-31 13:00	2.82	-22.3	8951.213	8176.851	5853.096	4066.134	4678.702	12.4	20.5	22	22.5	22.5	51168	16189.13	12796.72	10818.25	11196.98
CPC14-3	07-31 14:00	2.82	-19.93	8951.635	8176.942	5853.223	4066.261	4678.634	12.4	20.5	22	22.5	22.5	51168	16189.22	12796.85	10818.37	11196.91
CPC14-3	07-31 15:00	2.84	-18.85	8951.424	8177.404	5853.011	4065.961	4678.763	12.4	20.5	22	22.5	22.5	51168	16189.68	12796.64	10818.07	11197.04
CPC14-3	07-31 16:00	2.83	-22.86	8950.87	8177.121	5853.043	4065.863	4678.427	12.4	20.5	22	22.5	22.5	51167	16189.40	12796.67	10817.98	11196.71
CPC14-3	07-31 17:00	2.82	-27.69	8951.651	8176.731	5853.159	4065.983	4678.478	12.4	20.5	22	22.5	22.5	51168	16189.01	12796.79	10818.10	11196.76
CPC14-3	07-31 18:00	2.81	-29.17	8950.824	8176.986	5852.487	4065.607	4678.599	12.4	20.5	22	22.5	22.5	51168	16189.26	12796.12	10817.72	11196.88
CPC14-3	07-31 19:00	2.81	-28.57	8951.084	8176.851	5852.924	4065.946	4678.324	12.4	20.5	22	22.5	22.5	51168	16189.13	12796.55	10818.06	11196.60
CPC14-3	07-31 20:00	2.81	-28.67	8951.326	8176.687	5852.754	4066.013	4678.77	12.4	20.5	22	22.5	22.5	51168	16188.96	12796.38	10818.13	11197.05
CPC14-3	07-31 21:00	2.81	-29.37	8950.954	8176.909	5852.829	4066.186	4678.719	12.4	20.5	22	22.5	22.5	51168	16189.19	12796.46	10818.30	11197.00
CPC14-3	07-31 22:00	2.8	-29.83	8950.954	8177.045	5852.924	4066.073	4678.77	12.4	20.5	22	22.5	22.5	51168	16189.32	12796.55	10818.19	11197.05
CPC14-3	07-31 23:00	2.81	-30.35	8950.856	8176.7	5853.149	4066.305	4678.436	12.4	20.5	22	22.5	22.5	51168	16188.98	12796.78	10818.42	11196.72
CPC14-3	08-01 00:00	2.8	-30.15	8951.051	8176.597	5853.043	4066.134	4678.616	12.4	20.5	22	22.5	22.5	51168	16188.87	12796.67	10818.25	11196.90
CPC14-3	08-01 01:00	2.8	-30.25	8951.439	8176.672	5853.384	4066.118	4678.907	12.4	20.5	22	22.5	22.5	51168	16188.95	12797.01	10818.23	11197.19
CPC14-3	08-01 02:00	2.81	-30.89	8950.711	8176.999	5853.543	4066.118	4679.028	12.4	20.5	22	22.5	22.5	51168	16189.28	12797.17	10818.23	11197.31
CPC14-3	08-01 03:00	2.8	-30.73	8950.971	8176.955	5852.903	4066.253	4678.967	12.4	20.5	22	22.5	22.5	51168	16189.23	12796.53	10818.37	11197.25
CPC14-3	08-01 04:00	2.8	-30.3	8951.358	8176.986	5853.096	4066.276	4678.778	12.4	20.5	22	22.5	22.5	51168	16189.26	12796.72	10818.39	11197.06
CPC14-3	08-01 05:00	2.8	-30.62	8951.731	8176.731	5853.052	4066.201	4678.788	12.4	20.5	22	22.5	22.5	51169	16189.01	12796.68	10818.31	11197.07
CPC14-3	08-01 06:00	2.81	-30.73	8951.084	8176.717	5852.999	4066.126	4678.745	12.4	20.5	22	22.5	22.5	51168	16188.99	12796.63	10818.24	11197.03
CPC14-3	08-01 07:00	2.81	-29.89	8951.358	8176.942	5852.871	4066.155	4678.436	12.4	20.5	22	22.5	22.5	51169	16189.22	12796.50	10818.27	11196.72
CPC14-3	08-01 08:00	2.8	-23.77	8951.488	8177.165	5853.34	4066.411	4679.156	12.4	20.5	22	22.5	22.5	51169	16189.44	12796.97	10818.52	11197.44
CPC14-3	08-01 09:00	2.82	-20.75	8951.263	8176.717	5853.384	4066.757	4679.156	12.4	20.5	22	22.5	22.5	51169	16188.99	12797.01	10818.87	11197.44
CPC14-3	08-01 10:00	2.83	-19.78	8950.711	8176.925	5853.052	4066.516	4679.036	12.4	20.5	22	22.5	22.5	51168	16189.20	12796.68	10818.63	11197.32
CPC14-3	08-01 11:00	2.82	-18.71	8951.374	8176.942	5853.586	4066.562	4679.259	12.4	20.5	22	22.5	22.5	51169	16189.22	12797.21	10818.67	11197.54
CPC14-3	08-01 12:00	2.82	-18.43	8951.195	8176.896	5853.298	4066.794	4679.346	12.4	20.5	22	22.5	22.5	51169	16189.17	12796.93	10818.91	11197.63
CPC14-3	08-01 13:00	2.83	-17.61	8950.923	8176.492	5853.415	4066.659	4679.44	12.4	20.5	22	22.5	22.5	51168	16188.77	12797.04	10818.77	11197.72
CPC14-3	08-01 14:00	2.84	-20.41	8951.134	8176.731	5853.971	4066.734	4679.2	12.4	20.5	22	22.5	22.5	51169	16189.01	12797.60	10818.85	11197.48
CPC14-3	08-01 15:00	2.83	-23.77	8950.923	8176.896	5853.363	4066.667	4679.268	12.4	20.5	22	22.5	22.5	51169	16189.17	12796.99	10818.78	11197.55
CPC14-3	08-01 16:00	2.83	-24.24	8950.89	8177.104	5853.393	4066.464	4679.311	12.4	20.5	22	22.5	22.5	51169	16189.38	12797.02	10818.58	11197.59
CPC14-3	08-01 17:00	2.82	-21.09	8950.971	8176.492	5853.639	4066.313	4678.977	12.4	20.5	22	22.5	22.5	51169	16188.77	12797.27	10818.43	11197.26
CPC14-3	08-01 18:00	2.83	-24.11	8950.824	8176.942	5853.608	4066.75	4679.225	12.4	20.5	22	22.5	22.5	51169	16189.22	12797.24	10818.86	11197.51
CPC14-3	08-01 19:00	2.82	-26.32	8950.937	8176.372	5853.308	4066.562	4678.736	12.4	20.5	22	22.5	22.5	51169	16188.65	12796.94	10818.67	11197.02
CPC14-3	08-01 20:00	2.82	-28.62	8950.89	8176.806	5852.892	4080.485	4679.156	12.4	20.5	22	22.5	22.5	51169	16189.08	12796.52	10832.60	11197.44
CPC14-3	08-01 21:00	2.81	-29.73	8950.87	8177.134	5853.405												

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	08-04 18:00	2.84	-19.82	8951.195	8176.731	5854.483	4067.448	4680.178	12.4	20.5	22	22.5	22.5	51172	16189.01	12798.11	10819.56	11198.46
CPC14-3	08-04 19:00	2.84	-21.75	8950.954	8176.88	5854.173	4067.907	4680.29	12.4	20.5	22	22.5	22.5	51172	16189.16	12797.80	10819.02	11198.57
CPC14-3	08-04 20:00	2.83	-25.64	8951.586	8176.88	5854.173	4067.9	4679.903	12.4	20.5	22	22.5	22.5	51172	16189.16	12797.80	10820.01	11198.18
CPC14-3	08-04 21:00	2.83	-27.3	8951.521	8177.045	5854.301	4067.802	4679.972	12.4	20.5	22	22.5	22.5	51172	16189.32	12797.93	10819.91	11198.25
CPC14-3	08-04 22:00	2.82	-28.32	8951.084	8176.82	5853.896	4067.749	4680.495	12.4	20.5	22	22.5	22.5	51172	16189.10	12797.52	10819.86	11198.78
CPC14-3	08-04 23:00	2.82	-28.97	8951.393	8177.014	5853.95	4067.651	4680.349	12.4	20.5	22	22.5	22.5	51172	16189.29	12797.58	10819.76	11198.63
CPC14-3	08-05 00:00	2.82	-29.58	8950.742	8177.256	5854.109	4067.689	4680.007	12.4	20.5	22	22.5	22.5	51172	16189.53	12797.74	10819.80	11198.29
CPC14-3	08-05 01:00	2.81	-30.3	8951.195	8177.031	5854.184	4067.846	4680.486	12.4	20.5	22	22.5	22.5	51172	16189.31	12797.81	10819.96	11198.77
CPC14-3	08-05 02:00	2.81	-30.35	8951.263	8176.582	5854.354	4067.749	4680.357	12.4	20.5	22	22.5	22.5	51172	16188.86	12797.98	10819.86	11198.64
CPC14-3	08-05 03:00	2.81	-30.99	8951.002	8177.284	5854.493	4067.87	4679.989	12.4	20.5	22	22.5	22.5	51172	16189.56	12798.12	10819.98	11198.27
CPC14-3	08-05 04:00	2.81	-30.94	8951.488	8177.837	5854.247	4067.786	4680.195	12.4	20.5	22	22.5	22.5	51173	16190.11	12797.88	10819.90	11198.48
CPC14-3	08-05 05:00	2.81	-30.99	8951.572	8176.865	5854.216	4067.749	4680.598	12.4	20.5	22	22.5	22.5	51173	16189.14	12797.84	10819.86	11198.88
CPC14-3	08-05 06:00	2.81	-31.48	8951.326	8177.314	5854.398	4067.441	4680.367	12.4	20.5	22	22.5	22.5	51173	16189.59	12798.03	10819.55	11198.65
CPC14-3	08-05 07:00	2.81	-31.53	8951.263	8177.09	5854.665	4067.735	4680.265	12.4	20.5	22	22.5	22.5	51173	16189.37	12798.29	10819.85	11198.55
CPC14-3	08-05 08:00	2.82	-23.07	8951.345	8176.565	5854.227	4067.922	4680.135	12.4	20.5	22	22.5	22.5	51173	16188.84	12797.86	10820.03	11198.42
CPC14-3	08-05 09:00	2.83	-19.82	8951.586	8177.314	5854.557	4068.079	4680.298	12.4	20.5	22	22.5	22.5	51173	16189.59	12798.19	10820.19	11198.58
CPC14-3	08-05 10:00	2.83	-18.26	8951.439	8177.435	5854.493	4067.93	4680.221	12.4	20.5	22	22.5	22.5	51173	16189.71	12798.12	10820.04	11198.50
CPC14-3	08-05 11:00	2.84	-17.54	8951.717	8177.39	5854.569	4067.839	4680.504	12.4	20.5	22	22.5	22.5	51173	16189.67	12798.20	10819.95	11198.78
CPC14-3	08-05 12:00	2.84	-18.54	8951.393	8177.612	5854.493	4067.982	4680.504	12.4	20.5	22	22.5	22.5	51173	16189.89	12798.12	10820.09	11198.78
CPC14-3	08-05 13:00	2.84	-18.36	8951.473	8177.644	5854.247	4067.96	4680.607	12.4	20.5	22	22.5	22.5	51173	16189.92	12797.88	10820.07	11198.89
CPC14-3	08-05 14:00	2.84	-17.82	8951.099	8177.656	5854.536	4068.186	4680.598	12.4	20.5	22	22.5	22.5	51173	16189.93	12798.16	10820.30	11198.88
CPC14-3	08-05 15:00	2.84	-17.88	8951.084	8177.644	5854.408	4068.193	4680.315	12.4	20.5	22	22.5	22.5	51173	16189.92	12798.04	10820.31	11198.60
CPC14-3	08-05 16:00	2.83	-17.34	8951.424	8177.419	5854.578	4068.02	4680.581	12.4	20.5	22	22.5	22.5	51173	16189.70	12798.21	10820.13	11198.86
CPC14-3	08-05 17:00	2.84	-17.44	8951.134	8177.239	5854.461	4068.178	4680.409	12.4	20.5	22	22.5	22.5	51173	16189.52	12798.09	10820.29	11198.69
CPC14-3	08-05 18:00	2.84	-18.19	8951.148	8177.448	5853.971	4068.246	4680.547	12.4	20.5	22	22.5	22.5	51173	16189.72	12797.60	10820.36	11198.83
CPC14-3	08-05 19:00	2.84	-21.09	8951.345	8177.121	5854.708	4068.388	4680.675	12.4	20.5	22	22.5	22.5	51173	16189.40	12798.34	10820.50	11198.96
CPC14-3	08-05 20:00	2.84	-23.82	8951.002	8176.955	5854.227	4068.231	4680.469	12.4	20.5	22	22.5	22.5	51173	16189.23	12797.86	10820.34	11198.75
CPC14-3	08-05 21:00	2.83	-25.55	8951.294	8177.059	5854.162	4068.246	4680.409	12.4	20.5	22	22.5	22.5	51173	16189.34	12797.79	10820.36	11198.69
CPC14-3	08-05 22:00	2.83	-26.23	8951.813	8177.076	5854.313	4068.463	4680.547	12.4	20.5	22	22.5	22.5	51174	16189.35	12797.94	10820.58	11198.83
CPC14-3	08-05 23:00	2.82	-26.42	8951.246	8177.256	5854.196	4068.314	4680.513	12.4	20.5	22	22.5	22.5	51173	16189.53	12797.82	10820.43	11198.79
CPC14-3	08-06 00:00	2.82	-27.02	8951.116	8176.88	5854.727	4068.359	4680.693	12.4	20.5	22	22.5	22.5	51173	16189.16	12798.36	10820.47	11198.97
CPC14-3	08-06 01:00	2.82	-27.64	8951.164	8177.134	5854.386	4068.223	4680.28	12.4	20.5	22	22.5	22.5	51173	16189.41	12798.01	10820.34	11198.56
CPC14-3	08-06 02:00	2.82	-28.27	8951.034	8177.059	5854.44	4068.306	4680.444	12.4	20.5	22	22.5	22.5	51173	16189.34	12798.07	10820.42	11198.72
CPC14-3	08-06 03:00	2.82	-28.67	8951.326	8177.3	5854.375	4068.344	4680.727	12.4	20.5	22	22.5	22.5	51173	16189.58	12798.00	10820.46	11199.01
CPC14-3	08-06 04:00	2.82	-28.57	8951.345	8177.179	5854.4												

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	08-09 01:00	2.82	-29.47	8951.618	8178.212	5855.454	4069.321	4681.337	12.4	20.5	22	22.5	22.5	51177	16190.49	12799.08	10821.43	11199.62
CPC14-3	08-09 02:00	2.82	-30.78	8951.635	8178.228	5855.967	4069.366	4681.414	12.4	20.5	22	22.5	22.5	51177	16190.50	12799.60	10821.48	11199.69
CPC14-3	08-09 03:00	2.81	-31.15	8951.554	8178.331	5855.742	4069.352	4681.216	12.4	20.5	22	22.5	22.5	51177	16190.61	12799.37	10821.46	11199.50
CPC14-3	08-09 04:00	2.82	-31.15	8951.358	8178.106	5855.871	4069.532	4681.414	12.4	20.5	22	22.5	22.5	51176	16190.38	12799.50	10821.64	11199.69
CPC14-3	08-09 05:00	2.81	-31.21	8951.846	8178.287	5855.604	4069.516	4681.405	12.4	20.5	22	22.5	22.5	51177	16190.56	12799.23	10821.63	11199.69
CPC14-3	08-09 06:00	2.82	-30.99	8951.458	8178.092	5855.859	4069.66	4681.568	12.4	20.5	22	22.5	22.5	51177	16190.37	12799.49	10821.77	11199.85
CPC14-3	08-09 07:00	2.82	-30.78	8951.537	8178.585	5856.02	4069.705	4681.731	12.4	20.5	22	22.5	22.5	51177	16190.86	12799.65	10821.82	11200.01
CPC14-3	08-09 08:00	2.82	-23.56	8951.731	8178.183	5855.903	4069.772	4681.56	12.4	20.5	22	22.5	22.5	51177	16190.46	12799.53	10821.88	11199.84
CPC14-3	08-09 09:00	2.83	-22.02	8951.31	8178.032	5856.009	4069.802	4681.809	12.4	20.5	22	22.5	22.5	51177	16190.31	12799.64	10821.91	11200.09
CPC14-3	08-09 10:00	2.83	-19.68	8951.537	8178.212	5856.084	4069.569	4681.766	12.4	20.5	22	22.5	22.5	51177	16190.49	12799.71	10821.68	11200.05
CPC14-3	08-09 11:00	2.85	-19.03	8951.731	8177.987	5855.839	4069.442	4681.645	12.4	20.5	22	22.5	22.5	51177	16190.26	12799.47	10821.55	11199.93
CPC14-3	08-09 12:00	2.84	-19.07	8951.603	8178.272	5855.935	4069.622	4681.989	12.4	20.5	22	22.5	22.5	51177	16190.55	12799.56	10821.73	11200.27
CPC14-3	08-09 13:00	2.84	-18.61	8951.246	8178.032	5855.668	4069.735	4681.723	12.4	20.5	22	22.5	22.5	51177	16190.31	12799.30	10821.85	11200.00
CPC14-3	08-09 14:00	2.84	-19.46	8951.213	8178.062	5855.763	4069.772	4681.715	12.4	20.5	22	22.5	22.5	51177	16190.34	12799.39	10821.88	11200.00
CPC14-3	08-09 15:00	2.84	-21.36	8952.14	8178.062	5855.871	4069.697	4681.705	12.4	20.5	22	22.5	22.5	51178	16190.34	12799.50	10821.81	11199.99
CPC14-3	08-09 16:00	2.84	-20.26	8951.488	8178.195	5856.032	4069.675	4681.68	12.4	20.5	22	22.5	22.5	51177	16190.47	12799.66	10821.79	11199.96
CPC14-3	08-09 17:00	2.84	-18.29	8951.554	8178.348	5855.774	4069.668	4681.723	12.4	20.5	22	22.5	22.5	51177	16190.62	12799.40	10821.78	11200.00
CPC14-3	08-09 18:00	2.85	-18.68	8951.928	8178.362	5855.967	4069.712	4681.878	12.4	20.5	22	22.5	22.5	51178	16190.64	12799.60	10821.82	11200.16
CPC14-3	08-09 19:00	2.84	-24.24	8950.954	8178.123	5855.774	4069.442	4681.577	12.4	20.5	22	22.5	22.5	51177	16190.40	12799.40	10821.55	11199.86
CPC14-3	08-09 20:00	2.83	-26.83	8951.164	8178.195	5855.88	4069.622	4681.689	12.4	20.5	22	22.5	22.5	51177	16190.47	12799.51	10821.73	11199.97
CPC14-3	08-09 21:00	2.82	-28.12	8950.711	8178.302	5855.817	4069.938	4681.878	12.4	20.5	22	22.5	22.5	51177	16190.58	12799.45	10822.05	11200.16
CPC14-3	08-09 22:00	2.82	-28.87	8951.195	8178.348	5855.967	4069.728	4681.731	12.4	20.5	22	22.5	22.5	51177	16190.62	12799.60	10821.84	11200.01
CPC14-3	08-09 23:00	2.82	-29.47	8951.911	8178.766	5855.817	4069.946	4681.577	12.4	20.5	22	22.5	22.5	51178	16191.04	12799.45	10822.06	11199.86
CPC14-3	08-10 00:00	2.82	-29.63	8951.424	8178.362	5855.967	4069.848	4681.74	12.4	20.5	22	22.5	22.5	51177	16190.64	12799.60	10821.96	11200.02
CPC14-3	08-10 01:00	2.82	-29.37	8951.667	8178.405	5856.212	4069.675	4681.792	12.4	20.5	22	22.5	22.5	51178	16190.68	12799.84	10821.79	11200.07
CPC14-3	08-10 02:00	2.82	-31.05	8951.798	8178.601	5855.956	4069.787	4681.74	12.4	20.5	22	22.5	22.5	51178	16190.88	12799.58	10821.90	11200.02
CPC14-3	08-10 03:00	2.82	-31.59	8951.134	8178.106	5855.785	4069.848	4681.774	12.4	20.5	22	22.5	22.5	51177	16190.38	12799.41	10821.96	11200.05
CPC14-3	08-10 04:00	2.82	-31.59	8951.586	8177.914	5855.988	4069.728	4681.792	12.4	20.5	22	22.5	22.5	51178	16190.19	12799.62	10821.84	11200.07
CPC14-3	08-10 05:00	2.82	-31.48	8951.766	8178.195	5855.795	4070.104	4681.663	12.4	20.5	22	22.5	22.5	51178	16190.47	12799.42	10822.22	11199.94
CPC14-3	08-10 06:00	2.82	-31.59	8951.195	8178.362	5856.137	4069.885	4681.878	12.4	20.5	22	22.5	22.5	51177	16190.64	12799.77	10822.00	11200.16
CPC14-3	08-10 07:00	2.82	-30.89	8951.213	8178.42	5855.774	4069.878	4682.075	12.4	20.5	22	22.5	22.5	51177	16190.70	12799.40	10821.99	11200.36
CPC14-3	08-10 08:00	2.83	-29.73	8951.877	8178.362	5855.689	4069.69	4682.058	12.4	20.5	22	22.5	22.5	51178	16190.64	12799.32	10821.80	11200.34
CPC14-3	08-10 09:00	2.82	-27.93	8951.651	8178.212	5855.924	4069.916	4682.144	12.4	20.5	22	22.5	22.5	51178	16190.49	12799.55	10822.03	11200.42
CPC14-3	08-10 10:00	2.83	-25.42	8951.358	8178.287	5855.88	4069.885	4682.29	12.4	20.5	22	22.5	22.5	51178	16190.56	12799.51	10822.00	11200.57
CPC14-3	08-10 11:00	2.82	-25.69	8951.781	8178.376</													

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	08-13 08:00	2.81	-24.2	8951.134	8179.185	5856.628	4070.924	4682.797	12.4	20.5	22	22.5	22.5	51180	16191.46	12800.26	10823.04	11201.08
CPC14-3	08-13 09:00	2.82	-21.01	8951.618	8178.977	5856.703	4070.969	4682.848	12.4	20.5	22	22.5	22.5	51181	16191.25	12800.33	10823.08	11201.13
CPC14-3	08-13 10:00	2.83	-19.75	8951.393	8178.541	5856.906	4071.015	4683.02	12.4	20.5	22	22.5	22.5	51181	16190.82	12800.53	10823.13	11201.30
CPC14-3	08-13 11:00	2.83	-20.19	8951.521	8179.215	5856.875	4070.886	4683.089	12.4	20.5	22	22.5	22.5	51181	16191.49	12800.50	10823.00	11201.37
CPC14-3	08-13 12:00	2.84	-20.37	8951.572	8178.511	5856.757	4071.097	4683.011	12.4	20.5	22	22.5	22.5	51181	16190.79	12800.39	10823.21	11201.29
CPC14-3	08-13 13:00	2.84	-20.19	8951.717	8179.185	5856.886	4070.992	4682.977	12.4	20.5	22	22.5	22.5	51181	16191.46	12800.51	10823.10	11201.26
CPC14-3	08-13 14:00	2.84	-19.28	8951.618	8178.825	5857.044	4070.743	4682.797	12.4	20.5	22	22.5	22.5	51181	16191.10	12800.67	10822.86	11201.08
CPC14-3	08-13 15:00	2.85	-17.85	8951.667	8179.125	5856.724	4070.893	4682.642	12.4	20.5	22	22.5	22.5	51181	16191.40	12800.35	10823.01	11200.92
CPC14-3	08-13 16:00	2.84	-18.16	8951.345	8178.99	5856.522	4070.736	4682.884	12.4	20.5	22	22.5	22.5	51181	16191.27	12800.15	10822.85	11201.16
CPC14-3	08-13 17:00	2.84	-21.67	8951.407	8179.275	5856.724	4070.803	4682.608	12.4	20.5	22	22.5	22.5	51181	16191.55	12800.35	10822.92	11200.89
CPC14-3	08-13 18:00	2.84	-25.64	8951.424	8178.899	5856.715	4070.811	4682.917	12.4	20.5	22	22.5	22.5	51181	16191.18	12800.34	10822.92	11201.20
CPC14-3	08-13 19:00	2.83	-27.26	8951.424	8178.707	5857.205	4071.052	4682.574	12.4	20.5	22	22.5	22.5	51181	16190.98	12800.83	10823.16	11200.85
CPC14-3	08-13 20:00	2.82	-28.62	8951.83	8179.021	5856.586	4071.067	4682.899	12.4	20.5	22	22.5	22.5	51182	16191.30	12800.21	10823.18	11201.18
CPC14-3	08-13 21:00	2.82	-28.57	8951.488	8178.899	5856.918	4071.007	4682.719	12.4	20.5	22	22.5	22.5	51181	16191.18	12800.55	10823.12	11201.00
CPC14-3	08-13 22:00	2.82	-28.62	8951.861	8178.676	5856.554	4071.097	4682.856	12.4	20.5	22	22.5	22.5	51182	16190.95	12800.18	10823.21	11201.14
CPC14-3	08-13 23:00	2.82	-29.02	8951.911	8179.111	5856.768	4070.908	4682.831	12.4	20.5	22	22.5	22.5	51182	16191.39	12800.40	10823.02	11201.11
CPC14-3	08-14 00:00	2.82	-29.12	8951.358	8179.125	5856.81	4070.939	4682.402	12.4	20.5	22	22.5	22.5	51181	16191.40	12800.44	10823.05	11200.68
CPC14-3	08-14 01:00	2.82	-29.94	8951.846	8178.87	5856.533	4070.893	4682.608	12.4	20.5	22	22.5	22.5	51182	16191.15	12800.16	10823.01	11200.89
CPC14-3	08-14 02:00	2.82	-30.25	8951.458	8179.156	5856.746	4070.939	4682.358	12.4	20.5	22	22.5	22.5	51181	16191.43	12800.37	10823.05	11200.64
CPC14-3	08-14 03:00	2.82	-30.41	8951.505	8178.766	5856.628	4070.789	4682.754	12.4	20.5	22	22.5	22.5	51182	16191.04	12800.26	10822.90	11201.03
CPC14-3	08-14 04:00	2.81	-30.57	8951.345	8178.617	5856.693	4070.924	4682.616	12.4	20.5	22	22.5	22.5	51181	16190.89	12800.32	10823.04	11200.90
CPC14-3	08-14 05:00	2.82	-30.62	8951.943	8178.841	5856.598	4070.758	4682.514	12.4	20.5	22	22.5	22.5	51182	16191.12	12800.23	10822.87	11200.79
CPC14-3	08-14 06:00	2.82	-30.51	8951.781	8178.87	5856.564	4070.893	4682.556	12.4	20.5	22	22.5	22.5	51182	16191.15	12800.19	10823.01	11200.84
CPC14-3	08-14 07:00	2.82	-30.25	8950.937	8178.99	5857.003	4070.893	4682.668	12.4	20.5	22	22.5	22.5	51181	16191.27	12800.63	10823.01	11200.95
CPC14-3	08-14 08:00	2.82	-24.24	8951.731	8179.065	5856.778	4071.128	4683.105	12.4	20.5	22	22.5	22.5	51182	16191.34	12800.41	10823.24	11201.39
CPC14-3	08-14 09:00	2.82	-20.41	8951.181	8178.707	5856.832	4071.256	4682.943	12.4	20.5	22	22.5	22.5	51182	16190.98	12800.46	10823.37	11201.22
CPC14-3	08-14 10:00	2.84	-18.82	8951.393	8178.63	5857.238	4071.345	4683.14	12.4	20.5	22	22.5	22.5	51182	16190.91	12800.87	10823.46	11201.42
CPC14-3	08-14 11:00	2.84	-18.54	8951.458	8178.734	5857.184	4071.03	4683.028	12.4	20.5	22	22.5	22.5	51182	16191.01	12800.81	10823.14	11201.31
CPC14-3	08-14 12:00	2.84	-19.75	8951.991	8179.723	5856.939	4071.338	4682.951	12.4	20.5	22	22.5	22.5	51182	16192.00	12800.57	10823.45	11201.23
CPC14-3	08-14 13:00	2.84	-23.65	8951.943	8179.229	5857.227	4071.428	4683.072	12.4	20.5	22	22.5	22.5	51182	16191.51	12800.86	10823.54	11201.35
CPC14-3	08-14 14:00	2.83	-22.42	8951.667	8178.99	5857.109	4071.406	4682.891	12.4	20.5	22	22.5	22.5	51182	16191.27	12800.74	10823.52	11201.17
CPC14-3	08-14 15:00	2.83	-21.01	8952.251	8179.169	5857.014	4071.211	4682.995	12.4	20.5	22	22.5	22.5	51183	16191.45	12800.64	10823.32	11201.28
CPC14-3	08-14 16:00	2.83	-23.52	8951.393	8178.887	5856.82	4071.195	4683.398	12.4	20.5	22	22.5	22.5	51182	16191.16	12800.45	10823.31	11201.68
CPC14-3	08-14 17:00	2.83	-24.89	8951.635	8179.288	5857.141	4070.992	4683.217	12.4	20.5	22	22.5	22.5	51182	16191.56	12800.77	10823.10	11201.50
CPC14-3	08-14 18:00	2.82	-26.28	8951.407	8178.931													

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	08-17 15:00	2.83	-28.03	8951.326	8180.068	5859.962	4072.257	4684.326	12.4	20.5	22	22.5	22.5	51185	16192.34	12803.59	10824.37	11202.61
CPC14-3	08-17 16:00	2.82	-25.96	8951.846	8179.349	5859.909	4072.392	4684.189	12.4	20.5	22	22.5	22.5	51185	16191.63	12803.54	10824.50	11202.47
CPC14-3	08-17 17:00	2.83	-26.51	8951.731	8179.32	5859.844	4072.355	4684.172	12.4	20.5	22	22.5	22.5	51185	16191.60	12803.47	10824.47	11202.45
CPC14-3	08-17 18:00	2.83	-28.62	8952.056	8180.143	5860.069	4072.362	4683.871	12.4	20.5	22	22.5	22.5	51186	16192.42	12803.70	10824.47	11202.15
CPC14-3	08-17 19:00	2.82	-30.41	8951.976	8179.409	5859.824	4072.174	4684.016	12.4	20.5	22	22.5	22.5	51186	16191.69	12803.45	10824.29	11202.30
CPC14-3	08-17 20:00	2.82	-31.42	8951.731	8179.602	5859.803	4072.226	4683.931	12.4	20.5	22	22.5	22.5	51186	16191.88	12803.43	10824.34	11202.21
CPC14-3	08-17 21:00	2.82	-31.97	8951.374	8179.723	5859.534	4072.181	4684.189	12.4	20.5	22	22.5	22.5	51185	16192.00	12803.16	10824.29	11202.47
CPC14-3	08-17 22:00	2.81	-32.08	8951.458	8179.243	5859.78	4072.265	4683.948	12.4	20.5	22	22.5	22.5	51185	16191.52	12803.41	10824.38	11202.23
CPC14-3	08-17 23:00	2.81	-32.14	8951.505	8178.959	5859.888	4072.656	4684.12	12.4	20.5	22	22.5	22.5	51185	16191.24	12803.52	10824.77	11202.40
CPC14-3	08-18 00:00	2.81	-32.7	8951.586	8179.512	5860.208	4072.437	4684.137	12.4	20.5	22	22.5	22.5	51186	16191.79	12803.84	10824.55	11202.42
CPC14-3	08-18 01:00	2.81	-32.98	8951.747	8179.723	5859.909	4072.317	4684.042	12.4	20.5	22	22.5	22.5	51186	16192.00	12803.54	10824.43	11202.32
CPC14-3	08-18 02:00	2.81	-33.21	8951.651	8179.618	5859.588	4072.257	4684.163	12.4	20.5	22	22.5	22.5	51186	16191.89	12803.22	10824.37	11202.44
CPC14-3	08-18 03:00	2.82	-33.16	8950.906	8179.826	5859.952	4072.565	4684.284	12.4	20.5	22	22.5	22.5	51185	16192.10	12803.58	10824.68	11202.56
CPC14-3	08-18 04:00	2.81	-33.5	8951.731	8179.499	5859.641	4072.4	4684.197	12.4	20.5	22	22.5	22.5	51186	16191.78	12803.27	10824.51	11202.48
CPC14-3	08-18 05:00	2.81	-34.15	8951.554	8179.991	5859.813	4072.444	4683.725	12.4	20.5	22	22.5	22.5	51186	16192.27	12803.44	10824.56	11202.01
CPC14-3	08-18 06:00	2.81	-34.8	8951.861	8179.814	5859.716	4072.339	4683.957	12.4	20.5	22	22.5	22.5	51186	16192.09	12803.34	10824.45	11202.24
CPC14-3	08-18 07:00	2.8	-34.92	8951.877	8179.529	5860.08	4072.271	4684.111	12.4	20.5	22	22.5	22.5	51186	16191.81	12803.71	10824.38	11202.39
CPC14-3	08-18 08:00	2.81	-29.52	8951.181	8179.574	5860.049	4072.468	4684.189	12.4	20.5	22	22.5	22.5	51185	16191.85	12803.68	10824.58	11202.47
CPC14-3	08-18 09:00	2.82	-25.91	8950.809	8179.634	5860.09	4072.452	4684.498	12.4	20.5	22	22.5	22.5	51185	16191.91	12803.72	10824.56	11202.78
CPC14-3	08-18 10:00	2.83	-25.24	8951.505	8179.574	5860.518	4072.37	4684.446	12.4	20.5	22	22.5	22.5	51186	16191.85	12804.15	10824.48	11202.73
CPC14-3	08-18 11:00	2.83	-25.11	8951.134	8179.723	5860.123	4072.468	4684.516	12.4	20.5	22	22.5	22.5	51186	16192.00	12803.75	10824.58	11202.80
CPC14-3	08-18 12:00	2.83	-25.42	8951.358	8179.512	5859.888	4072.49	4684.524	12.4	20.5	22	22.5	22.5	51186	16191.79	12803.52	10824.60	11202.80
CPC14-3	08-18 13:00	2.83	-25.11	8951.635	8179.754	5860.55	4072.761	4684.696	12.4	20.5	22	22.5	22.5	51186	16192.03	12804.18	10824.87	11202.98
CPC14-3	08-18 14:00	2.83	-23.86	8951.618	8179.678	5860.154	4072.58	4684.653	12.4	20.5	22	22.5	22.5	51186	16191.95	12803.78	10824.69	11202.93
CPC14-3	08-18 15:00	2.83	-25.46	8951.407	8179.499	5860.112	4072.776	4684.567	12.4	20.5	22	22.5	22.5	51186	16191.78	12803.74	10824.89	11202.85
CPC14-3	08-18 16:00	2.83	-25.11	8951.618	8179.664	5860.197	4072.829	4684.395	12.4	20.5	22	22.5	22.5	51186	16191.94	12803.83	10824.94	11202.68
CPC14-3	08-18 17:00	2.83	-27.02	8951.345	8179.799	5860.176	4072.452	4684.696	12.4	20.5	22	22.5	22.5	51186	16192.08	12803.80	10824.56	11202.98
CPC14-3	08-18 18:00	2.83	-29.68	8951.717	8179.409	5860.465	4072.468	4684.421	12.4	20.5	22	22.5	22.5	51186	16191.69	12804.09	10824.58	11202.70
CPC14-3	08-18 19:00	2.82	-31.81	8951.798	8179.737	5860.305	4072.596	4684.721	12.4	20.5	22	22.5	22.5	51187	16192.01	12803.93	10824.71	11203.00
CPC14-3	08-18 20:00	2.81	-33.27	8951.554	8180.007	5859.695	4072.468	4684.516	12.4	20.5	22	22.5	22.5	51186	16192.28	12803.32	10824.58	11202.80
CPC14-3	08-18 21:00	2.81	-33.74	8951.635	8180.023	5860.069	4072.551	4684.446	12.4	20.5	22	22.5	22.5	51186	16192.30	12803.70	10824.66	11202.73
CPC14-3	08-18 22:00	2.81	-33.97	8952.007	8179.723	5859.888	4072.551	4684.369	12.4	20.5	22	22.5	22.5	51187	16192.00	12803.52	10824.66	11202.65
CPC14-3	08-18 23:00	2.81	-34.38	8951.603	8179.243	5859.835	4072.604	4684.516	12.4	20.5	22	22.5	22.5	51187	16191.52	12803.46	10824.72	11202.80
CPC14-3	08-19 00:00	2.81	-34.98	8952.12	8179.917	5860.293	4072.739	4684.48	12.4	20.5	22	22.5	22.5	51187	16192.19	12803.92	10824.85	11202.76
CPC14-3	08-19 01:00	2.8	-35.47	8951.278	8179.634	5												

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	08-21 22:00	2.82	-30.83	8952.251	8180.698	5861.16	4073.823	4686.364	12.4	20.5	22	22.5	22.5	51190	16192.97	12804.79	10825.94	11204.64
CPC14-3	08-21 23:00	2.82	-31.48	8951.861	8179.933	5860.978	4073.952	4686.389	12.4	20.5	22	22.5	22.5	51190	16192.21	12804.61	10826.06	11204.67
CPC14-3	08-22 00:00	2.81	-31.64	8952.041	8180.276	5860.988	4073.755	4686.381	12.4	20.5	22	22.5	22.5	51190	16192.55	12804.62	10825.87	11204.66
CPC14-3	08-22 01:00	2.81	-31.48	8951.458	8180.396	5861.439	4073.958	4686.389	12.4	20.5	22	22.5	22.5	51189	16192.67	12805.07	10826.07	11204.67
CPC14-3	08-22 02:00	2.81	-31.37	8951.458	8180.412	5860.999	4073.808	4686.414	12.4	20.5	22	22.5	22.5	51189	16192.69	12804.63	10825.92	11204.69
CPC14-3	08-22 03:00	2.82	-31.37	8951.651	8179.979	5861.073	4073.958	4686.218	12.4	20.5	22	22.5	22.5	51190	16192.26	12804.70	10826.07	11204.50
CPC14-3	08-22 04:00	2.81	-31.75	8951.505	8180.367	5861.16	4074.064	4686.399	12.4	20.5	22	22.5	22.5	51190	16192.64	12804.79	10826.18	11204.68
CPC14-3	08-22 05:00	2.81	-32.25	8951.781	8180.532	5861.267	4074.125	4686.449	12.4	20.5	22	22.5	22.5	51190	16192.81	12804.90	10826.24	11204.73
CPC14-3	08-22 06:00	2.81	-32.14	8951.846	8180.068	5861.234	4074.073	4686.208	12.4	20.5	22	22.5	22.5	51190	16192.34	12804.86	10826.19	11204.49
CPC14-3	08-22 07:00	2.81	-31.75	8952.056	8180.293	5861.372	4074.231	4686.337	12.4	20.5	22	22.5	22.5	51190	16192.57	12805.00	10826.34	11204.62
CPC14-3	08-22 08:00	2.81	-26.46	8952.105	8180.038	5861.448	4074.11	4686.639	12.4	20.5	22	22.5	22.5	51190	16192.31	12805.08	10826.22	11204.92
CPC14-3	08-22 09:00	2.83	-23.31	8951.7	8180.171	5861.62	4074.102	4686.553	12.4	20.5	22	22.5	22.5	51190	16192.45	12805.25	10826.21	11204.83
CPC14-3	08-22 10:00	2.83	-21.86	8951.554	8179.826	5861.597	4074.193	4686.528	12.4	20.5	22	22.5	22.5	51190	16192.10	12805.23	10826.31	11204.81
CPC14-3	08-22 11:00	2.83	-20.98	8951.928	8180.127	5861.651	4074.246	4686.63	12.4	20.5	22	22.5	22.5	51190	16192.40	12805.28	10826.36	11204.91
CPC14-3	08-22 12:00	2.83	-20.86	8951.717	8180.352	5861.406	4074.125	4686.871	12.4	20.5	22	22.5	22.5	51190	16192.63	12805.03	10826.24	11205.15
CPC14-3	08-22 13:00	2.83	-22.82	8951.846	8180.307	5861.683	4074.14	4686.7	12.4	20.5	22	22.5	22.5	51190	16192.58	12805.31	10826.25	11204.98
CPC14-3	08-22 14:00	2.84	-22.86	8951.781	8179.962	5861.524	4074.456	4686.579	12.4	20.5	22	22.5	22.5	51190	16192.24	12805.15	10826.57	11204.86
CPC14-3	08-22 15:00	2.84	-21.63	8951.164	8180.59	5861.372	4074.705	4686.63	12.4	20.5	22	22.5	22.5	51190	16192.87	12805.00	10826.82	11204.91
CPC14-3	08-22 16:00	2.83	-20.23	8951.586	8180.457	5861.78	4074.547	4686.992	12.4	20.5	22	22.5	22.5	51190	16192.73	12805.41	10826.66	11205.27
CPC14-3	08-22 17:00	2.84	-20.3	8951.521	8180.382	5861.556	4074.495	4686.853	12.4	20.5	22	22.5	22.5	51190	16192.66	12805.18	10826.61	11205.13
CPC14-3	08-22 18:00	2.83	-22.9	8951.959	8180.457	5861.609	4074.404	4687.146	12.4	20.5	22	22.5	22.5	51191	16192.73	12805.24	10826.52	11205.43
CPC14-3	08-22 19:00	2.82	-26.46	8952.007	8180.441	5861.372	4074.449	4686.853	12.4	20.5	22	22.5	22.5	51191	16192.72	12805.00	10826.56	11205.13
CPC14-3	08-22 20:00	2.83	-29.42	8951.618	8180.518	5861.544	4074.584	4686.819	12.4	20.5	22	22.5	22.5	51190	16192.79	12805.17	10826.70	11205.10
CPC14-3	08-22 21:00	2.81	-30.25	8951.326	8180.473	5861.192	4074.404	4686.811	12.4	20.5	22	22.5	22.5	51190	16192.75	12804.82	10826.52	11205.09
CPC14-3	08-22 22:00	2.81	-31.05	8951.798	8180.636	5861.492	4074.622	4686.759	12.4	20.5	22	22.5	22.5	51191	16192.91	12805.12	10826.73	11205.04
CPC14-3	08-22 23:00	2.81	-32.36	8951.731	8180.563	5861.331	4074.584	4686.63	12.4	20.5	22	22.5	22.5	51191	16192.84	12804.96	10826.70	11204.91
CPC14-3	08-23 00:00	2.81	-32.98	8951.959	8180.755	5861.577	4074.404	4686.639	12.4	20.5	22	22.5	22.5	51191	16193.03	12805.21	10826.52	11204.92
CPC14-3	08-23 01:00	2.81	-33.21	8951.731	8180.846	5861.287	4074.434	4686.467	12.4	20.5	22	22.5	22.5	51191	16193.12	12804.92	10826.55	11204.75
CPC14-3	08-23 02:00	2.81	-33.39	8951.798	8180.996	5861.277	4074.427	4686.69	12.4	20.5	22	22.5	22.5	51191	16193.27	12804.91	10826.54	11204.97
CPC14-3	08-23 03:00	2.81	-33.5	8951.572	8180.726	5861.609	4074.622	4686.863	12.4	20.5	22	22.5	22.5	51191	16193.00	12805.24	10826.73	11205.14
CPC14-3	08-23 04:00	2.81	-33.68	8951.684	8180.726	5861.524	4074.306	4687.189	12.4	20.5	22	22.5	22.5	51191	16193.00	12805.15	10826.42	11205.47
CPC14-3	08-23 05:00	2.81	-33.97	8951.374	8180.473	5861.919	4074.592	4686.828	12.4	20.5	22	22.5	22.5	51191	16192.75	12805.55	10826.70	11205.11
CPC14-3	08-23 06:00	2.81	-34.09	8952.025	8180.786	5861.919	4074.261	4687.207	12.4	20.5	22	22.5	22.5	51191	16193.06	12805.55	10826.37	11205.49
CPC14-3	08-23 07:00	2.81	-33.85	8951.846	8180.352	5862.047	4074.698	4686.57	12.4	20.5	22	22.5	22.5	51191	16192.63	12805.68	10826.81	11204.85
CPC14-3	08-23 08:00	2.81	-32.87	8951.717	8180.441	586												

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	08-26 05:00	2.81	-32.14	8951.31	8180.815	5862.41	4075.7	4687.817	12.4	20.5	22	22.5	22.5	51193	16193.09	12806.04	10827.81	11206.10
CPC14-3	08-26 06:00	2.81	-32.08	8951.278	8181.265	5862.892	4075.443	4687.843	12.4	20.5	22	22.5	22.5	51193	16193.54	12806.52	10827.56	11206.12
CPC14-3	08-26 07:00	2.81	-31.7	8951.83	8181.026	5862.902	4075.618	4688.119	12.4	20.5	22	22.5	22.5	51194	16193.30	12806.53	10827.73	11206.40
CPC14-3	08-26 08:00	2.81	-27.78	8951.603	8181.385	5862.775	4075.897	4688.368	12.4	20.5	22	22.5	22.5	51194	16193.66	12806.40	10828.01	11206.65
CPC14-3	08-26 09:00	2.82	-24.07	8951.781	8181.43	5863.266	4076.078	4688.403	12.4	20.5	22	22.5	22.5	51194	16193.71	12806.89	10828.19	11206.68
CPC14-3	08-26 10:00	2.83	-21.82	8952.233	8181.145	5863.373	4076.176	4688.583	12.4	20.5	22	22.5	22.5	51195	16193.42	12807.00	10828.29	11206.86
CPC14-3	08-26 11:00	2.83	-21.05	8952.607	8181.296	5863.159	4075.994	4688.36	12.4	20.5	22	22.5	22.5	51195	16193.57	12806.79	10828.11	11206.64
CPC14-3	08-26 12:00	2.84	-20.9	8951.603	8180.906	5863.127	4075.987	4688.454	12.4	20.5	22	22.5	22.5	51194	16193.18	12806.76	10828.10	11206.73
CPC14-3	08-26 13:00	2.84	-22.3	8951.635	8181.071	5862.955	4075.889	4688.385	12.4	20.5	22	22.5	22.5	51194	16193.35	12806.58	10828.00	11206.67
CPC14-3	08-26 14:00	2.84	-23.27	8951.651	8181.385	5863.107	4075.829	4688.041	12.4	20.5	22	22.5	22.5	51194	16193.66	12806.74	10827.94	11206.32
CPC14-3	08-26 15:00	2.83	-23.56	8951.537	8181.265	5863.022	4075.821	4688.187	12.4	20.5	22	22.5	22.5	51194	16193.54	12806.65	10827.93	11206.47
CPC14-3	08-26 16:00	2.83	-23.07	8951.473	8181.34	5863.148	4075.897	4688.179	12.4	20.5	22	22.5	22.5	51194	16193.62	12806.78	10828.01	11206.46
CPC14-3	08-26 17:00	2.84	-25.55	8952.007	8181.31	5862.85	4075.957	4688.196	12.4	20.5	22	22.5	22.5	51195	16193.59	12806.48	10828.07	11206.48
CPC14-3	08-26 18:00	2.82	-27.74	8951.766	8181.25	5862.656	4075.889	4687.878	12.4	20.5	22	22.5	22.5	51194	16193.53	12806.28	10828.00	11206.16
CPC14-3	08-26 19:00	2.82	-29.63	8951.473	8180.996	5862.946	4075.927	4687.981	12.4	20.5	22	22.5	22.5	51194	16193.27	12806.57	10828.04	11206.26
CPC14-3	08-26 20:00	2.82	-31.1	8951.928	8180.996	5863.288	4076.048	4688.257	12.4	20.5	22	22.5	22.5	51195	16193.27	12806.92	10828.16	11206.54
CPC14-3	08-26 21:00	2.81	-32.2	8951.731	8181.145	5862.711	4076.063	4687.827	12.4	20.5	22	22.5	22.5	51195	16193.42	12806.34	10828.18	11206.11
CPC14-3	08-26 22:00	2.81	-32.48	8951.781	8181.325	5862.55	4075.904	4687.912	12.4	20.5	22	22.5	22.5	51195	16193.60	12806.18	10828.02	11206.19
CPC14-3	08-26 23:00	2.81	-32.93	8951.586	8181.356	5862.743	4076.025	4688.119	12.4	20.5	22	22.5	22.5	51195	16193.63	12806.37	10828.14	11206.40
CPC14-3	08-27 00:00	2.81	-33.1	8951.458	8181.011	5862.967	4075.859	4688.076	12.4	20.5	22	22.5	22.5	51194	16193.29	12806.60	10827.97	11206.36
CPC14-3	08-27 01:00	2.81	-32.98	8951.717	8181.475	5862.977	4075.792	4688.127	12.4	20.5	22	22.5	22.5	51195	16193.75	12806.61	10827.90	11206.41
CPC14-3	08-27 02:00	2.81	-32.81	8952.169	8181.31	5862.806	4076.206	4688.187	12.4	20.5	22	22.5	22.5	51195	16193.59	12806.43	10828.32	11206.47
CPC14-3	08-27 03:00	2.81	-32.53	8951.603	8181.325	5862.902	4075.994	4688.204	12.4	20.5	22	22.5	22.5	51195	16193.60	12806.53	10828.11	11206.48
CPC14-3	08-27 04:00	2.82	-32.53	8951.635	8181.071	5862.775	4075.821	4688.162	12.4	20.5	22	22.5	22.5	51195	16193.35	12806.40	10827.93	11206.44
CPC14-3	08-27 05:00	2.81	-32.76	8951.928	8181.475	5863.042	4076.055	4688.162	12.4	20.5	22	22.5	22.5	51195	16193.75	12806.67	10828.17	11206.44
CPC14-3	08-27 06:00	2.81	-32.59	8951.781	8181.101	5862.743	4075.95	4688.385	12.4	20.5	22	22.5	22.5	51195	16193.38	12806.37	10828.06	11206.67
CPC14-3	08-27 07:00	2.82	-31.59	8951.635	8181.43	5863.309	4076.145	4688.119	12.4	20.5	22	22.5	22.5	51195	16193.71	12806.94	10828.26	11206.40
CPC14-3	08-27 08:00	2.82	-30.09	8951.667	8181.325	5863.352	4076.1	4688.36	12.4	20.5	22	22.5	22.5	51195	16193.60	12806.98	10828.21	11206.64
CPC14-3	08-27 09:00	2.81	-29.27	8951.911	8181.37	5863.234	4076.5	4688.618	12.4	20.5	22	22.5	22.5	51195	16193.65	12806.86	10828.61	11206.90
CPC14-3	08-27 10:00	2.82	-25.73	8951.521	8181.565	5863.256	4076.432	4688.609	12.4	20.5	22	22.5	22.5	51195	16193.84	12806.88	10828.54	11206.89
CPC14-3	08-27 11:00	2.83	-23.65	8951.554	8181.385	5863.298	4076.583	4688.79	12.4	20.5	22	22.5	22.5	51195	16193.66	12806.93	10828.70	11207.07
CPC14-3	08-27 12:00	2.83	-25.33	8951.894	8181.548	5863.192	4076.394	4688.601	12.4	20.5	22	22.5	22.5	51195	16193.82	12806.82	10828.51	11206.88
CPC14-3	08-27 13:00	2.83	-23.61	8952.315	8181.655	5863.288	4076.417	4688.507	12.4	20.5	22	22.5	22.5	51196	16193.93	12806.92	10828.53	11206.79
CPC14-3	08-27 14:00	2.83	-22.62	8951.959	8181.356	5863.396	4076.033	4688.808	12.4	20.5	22	22.5	22.5	51196	16193.63	12807.02	10828.15	11207.09
CPC14-3	08-27 15:00	2.83	-21.75	8952.12	8181.879	5863.448	<											

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	08-30 12:00	2.83	-20.6	8951.976	8182.463	5866.017	4079.043	4691.149	12.4	20.5	22	22.5	22.5	51198	16194.74	12809.65	10831.16	11209.43
CPC14-3	08-30 13:00	2.84	-20.3	8952.348	8182.028	5865.856	4079.096	4691.209	12.4	20.5	22	22.5	22.5	51199	16194.30	12809.48	10831.21	11209.49
CPC14-3	08-30 14:00	2.85	-19.17	8952.041	8182.643	5865.845	4079.255	4691.226	12.4	20.5	22	22.5	22.5	51199	16194.92	12809.47	10831.37	11209.51
CPC14-3	08-30 15:00	2.84	-18.4	8952.155	8182.285	5866.489	4079.202	4691.209	12.4	20.5	22	22.5	22.5	51199	16194.56	12810.12	10831.31	11209.49
CPC14-3	08-30 16:00	2.85	-18.26	8951.781	8182.223	5866.123	4079.073	4691.114	12.4	20.5	22	22.5	22.5	51198	16194.50	12809.75	10831.19	11209.39
CPC14-3	08-30 17:00	2.85	-18.64	8951.846	8182.403	5866.327	4079.029	4691.287	12.4	20.5	22	22.5	22.5	51199	16194.68	12809.96	10831.14	11209.57
CPC14-3	08-30 18:00	2.83	-21.05	8951.877	8182.313	5865.985	4078.99	4691.201	12.4	20.5	22	22.5	22.5	51199	16194.59	12809.61	10831.10	11209.48
CPC14-3	08-30 19:00	2.83	-25.33	8952.218	8182.357	5865.92	4078.952	4690.968	12.4	20.5	22	22.5	22.5	51199	16194.63	12809.55	10831.06	11209.25
CPC14-3	08-30 20:00	2.82	-27.3	8951.928	8182.568	5865.653	4078.982	4691.124	12.4	20.5	22	22.5	22.5	51199	16194.84	12809.28	10831.09	11209.40
CPC14-3	08-30 21:00	2.82	-29.22	8952.025	8182.223	5865.642	4079.073	4691.045	12.4	20.5	22	22.5	22.5	51199	16194.50	12809.27	10831.19	11209.33
CPC14-3	08-30 22:00	2.82	-30.09	8951.813	8182.853	5865.964	4079.036	4691.002	12.4	20.5	22	22.5	22.5	51199	16195.13	12809.59	10831.15	11209.28
CPC14-3	08-30 23:00	2.81	-30.25	8951.635	8182.613	5866.242	4079.209	4691.176	12.4	20.5	22	22.5	22.5	51199	16194.89	12809.87	10831.32	11209.46
CPC14-3	08-31 00:00	2.82	-30.46	8951.554	8182.762	5865.942	4079.391	4691.029	12.4	20.5	22	22.5	22.5	51199	16195.04	12809.57	10831.50	11209.31
CPC14-3	08-31 01:00	2.82	-30.89	8952.559	8182.478	5865.674	4079.564	4691.287	12.4	20.5	22	22.5	22.5	51200	16194.75	12809.30	10831.68	11209.57
CPC14-3	08-31 02:00	2.82	-31.21	8951.731	8182.718	5865.739	4079.315	4691.055	12.4	20.5	22	22.5	22.5	51199	16194.99	12809.37	10831.43	11209.34
CPC14-3	08-31 03:00	2.81	-31.37	8951.667	8183.032	5865.964	4079.564	4690.968	12.4	20.5	22	22.5	22.5	51199	16195.31	12809.59	10831.68	11209.25
CPC14-3	08-31 04:00	2.81	-31.48	8951.976	8183.092	5865.739	4079.413	4691.252	12.4	20.5	22	22.5	22.5	51199	16195.37	12809.37	10831.53	11209.53
CPC14-3	08-31 05:00	2.81	-31.59	8951.861	8183.228	5866.156	4079.187	4691.062	12.4	20.5	22	22.5	22.5	51199	16195.50	12809.78	10831.30	11209.34
CPC14-3	08-31 06:00	2.81	-31.42	8951.505	8183.047	5865.771	4079.224	4691.097	12.4	20.5	22	22.5	22.5	51199	16195.32	12809.40	10831.34	11209.38
CPC14-3	08-31 07:00	2.81	-30.83	8951.424	8182.673	5865.824	4079.307	4690.89	12.4	20.5	22	22.5	22.5	51199	16194.95	12809.45	10831.42	11209.17
CPC14-3	08-31 08:00	2.81	-29.47	8951.7	8182.538	5866.017	4079.165	4691.055	12.4	20.5	22	22.5	22.5	51199	16194.81	12809.65	10831.28	11209.34
CPC14-3	08-31 09:00	2.82	-27.21	8951.877	8182.673	5865.964	4079.315	4691.176	12.4	20.5	22	22.5	22.5	51199	16194.95	12809.59	10831.43	11209.46
CPC14-3	08-31 10:00	2.82	-23.23	8951.603	8182.927	5866.017	4079.391	4691.176	12.4	20.5	22	22.5	22.5	51199	16195.20	12809.65	10831.50	11209.46
CPC14-3	08-31 11:00	2.83	-23.31	8952.444	8182.643	5866.36	4079.511	4691.658	12.4	20.5	22	22.5	22.5	51200	16194.92	12809.99	10831.62	11209.94
CPC14-3	08-31 12:00	2.83	-21.01	8951.505	8183.211	5865.75	4079.586	4691.649	12.4	20.5	22	22.5	22.5	51199	16195.49	12809.38	10831.70	11209.93
CPC14-3	08-31 13:00	2.83	-21.98	8951.959	8183.123	5866.22	4079.639	4691.278	12.4	20.5	22	22.5	22.5	51199	16195.40	12809.85	10831.75	11209.56
CPC14-3	08-31 14:00	2.84	-25.28	8951.813	8183.063	5866.307	4079.307	4691.313	12.4	20.5	22	22.5	22.5	51199	16195.34	12809.94	10831.42	11209.59
CPC14-3	08-31 15:00	2.83	-29.22	8952.203	8182.958	5865.813	4079.315	4691.252	12.4	20.5	22	22.5	22.5	51200	16195.23	12809.44	10831.43	11209.53
CPC14-3	08-31 16:00	2.82	-25.06	8952.14	8182.24	5865.845	4079.368	4691.27	12.4	20.5	22	22.5	22.5	51200	16194.52	12809.47	10831.48	11209.55
CPC14-3	08-31 17:00	2.83	-26.88	8951.358	8182.733	5866.135	4079.179	4691.029	12.4	20.5	22	22.5	22.5	51199	16195.01	12809.76	10831.29	11209.31
CPC14-3	08-31 18:00	2.83	-29.27	8951.911	8183.123	5865.674	4079.005	4691.08	12.4	20.5	22	22.5	22.5	51200	16195.40	12809.30	10831.12	11209.36
CPC14-3	08-31 19:00	2.82	-30.67	8952.025	8182.807	5865.782	4079.005	4690.865	12.4	20.5	22	22.5	22.5	51200	16195.08	12809.41	10831.12	11209.15
CPC14-3	08-31 20:00	2.81	-31.42	8951.813	8183.166	5865.877	4079.255	4691.191	12.4	20.5	22	22.5	22.5	51200	16195.44	12809.51	10831.37	11209.47
CPC14-3	08-31 21:00	2.81	-32.03	8951.766	8182.718	5866.049	4079.081	4691.106	12.4	20.5	22	22.5	22.5	51200	16194.99	12809.68	10831.19	11209.39
CPC14-3	08-31 22:00	2.81	-32.36	8951.976	8182.867													

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	09-03 19:00	2.81	-30.41	8951.635	8182.793	5866.735	4080.485	4692.778	12.4	20.5	22	22.5	22.5	51202	16195.07	12810.36	10832.60	11211.06
CPC14-3	09-03 20:00	2.82	-31.97	8952.186	8182.927	5867.034	4080.455	4692.149	12.4	20.5	22	22.5	22.5	51203	16195.20	12810.66	10832.57	11210.43
CPC14-3	09-03 21:00	2.81	-32.7	8952.169	8182.718	5866.906	4080.289	4692.294	12.4	20.5	22	22.5	22.5	51203	16194.99	12810.53	10832.40	11210.57
CPC14-3	09-03 22:00	2.81	-33.1	8952.348	8183.076	5866.97	4080.349	4692.398	12.4	20.5	22	22.5	22.5	51203	16195.35	12810.60	10832.46	11210.68
CPC14-3	09-03 23:00	2.81	-33.33	8951.911	8182.972	5866.616	4080.614	4692.329	12.4	20.5	22	22.5	22.5	51203	16195.25	12810.24	10832.73	11210.61
CPC14-3	09-04 00:00	2.81	-33.56	8951.928	8183.018	5866.894	4080.848	4692.519	12.4	20.5	22	22.5	22.5	51203	16195.29	12810.52	10832.96	11210.80
CPC14-3	09-04 01:00	2.81	-33.62	8951.458	8182.747	5867.011	4080.772	4692.294	12.4	20.5	22	22.5	22.5	51202	16195.02	12810.64	10832.88	11210.57
CPC14-3	09-04 02:00	2.81	-33.74	8951.717	8182.987	5867.227	4080.554	4692.484	12.4	20.5	22	22.5	22.5	51203	16195.26	12810.86	10832.67	11210.76
CPC14-3	09-04 03:00	2.81	-33.74	8952.444	8182.867	5867.515	4080.675	4692.433	12.4	20.5	22	22.5	22.5	51204	16195.14	12811.14	10832.79	11210.71
CPC14-3	09-04 04:00	2.81	-33.91	8952.007	8182.838	5867.227	4080.652	4692.416	12.4	20.5	22	22.5	22.5	51203	16195.11	12810.86	10832.76	11210.70
CPC14-3	09-04 05:00	2.81	-34.21	8952.283	8183.272	5867.227	4080.554	4692.742	12.4	20.5	22	22.5	22.5	51203	16195.55	12810.86	10832.67	11211.02
CPC14-3	09-04 06:00	2.81	-34.03	8952.461	8183.317	5867.345	4080.78	4692.742	12.4	20.5	22	22.5	22.5	51204	16195.59	12810.97	10832.89	11211.02
CPC14-3	09-04 07:00	2.81	-33.1	8952.429	8183.137	5867.57	4080.938	4692.666	12.4	20.5	22	22.5	22.5	51204	16195.41	12811.20	10833.05	11210.95
CPC14-3	09-04 08:00	2.81	-30.67	8952.09	8183.123	5867.388	4080.659	4692.622	12.4	20.5	22	22.5	22.5	51203	16195.40	12811.02	10832.77	11210.90
CPC14-3	09-04 09:00	2.82	-27.74	8952.218	8183.018	5866.937	4080.75	4692.829	12.4	20.5	22	22.5	22.5	51204	16195.29	12810.57	10832.86	11211.11
CPC14-3	09-04 10:00	2.82	-25.73	8951.861	8182.882	5867.441	4080.757	4692.717	12.4	20.5	22	22.5	22.5	51203	16195.16	12811.07	10832.87	11211.00
CPC14-3	09-04 11:00	2.83	-24.93	8951.684	8182.747	5867.045	4080.788	4692.941	12.4	20.5	22	22.5	22.5	51203	16195.02	12810.67	10832.90	11211.22
CPC14-3	09-04 12:00	2.83	-24.33	8951.943	8182.882	5866.875	4080.561	4692.683	12.4	20.5	22	22.5	22.5	51203	16195.16	12810.50	10832.67	11210.96
CPC14-3	09-04 13:00	2.83	-23.56	8952.233	8183.092	5866.926	4080.501	4693.036	12.4	20.5	22	22.5	22.5	51204	16195.37	12810.55	10832.61	11211.32
CPC14-3	09-04 14:00	2.82	-24.63	8951.894	8182.912	5867.099	4080.818	4692.984	12.4	20.5	22	22.5	22.5	51203	16195.19	12810.73	10832.93	11211.26
CPC14-3	09-04 15:00	2.82	-25.87	8952.169	8183.288	5867.108	4080.531	4692.958	12.4	20.5	22	22.5	22.5	51204	16195.56	12810.74	10832.64	11211.24
CPC14-3	09-04 16:00	2.81	-26.69	8951.943	8183.525	5867.173	4080.871	4692.897	12.4	20.5	22	22.5	22.5	51204	16195.80	12810.80	10832.98	11211.18
CPC14-3	09-04 17:00	2.83	-28.72	8952.105	8182.24	5867.462	4080.719	4692.907	12.4	20.5	22	22.5	22.5	51204	16194.52	12811.09	10832.83	11211.19
CPC14-3	09-04 18:00	2.81	-30.57	8951.894	8183.255	5866.875	4080.614	4692.7	12.4	20.5	22	22.5	22.5	51204	16195.53	12810.50	10832.73	11210.98
CPC14-3	09-04 19:00	2.82	-30.83	8952.283	8182.643	5867.185	4080.795	4692.673	12.4	20.5	22	22.5	22.5	51204	16194.92	12810.81	10832.91	11210.95
CPC14-3	09-04 20:00	2.82	-31.15	8952.688	8182.927	5867.602	4080.757	4692.708	12.4	20.5	22	22.5	22.5	51204	16195.20	12811.23	10832.87	11210.99
CPC14-3	09-04 21:00	2.81	-31.59	8952.365	8182.718	5867.205	4080.637	4692.717	12.4	20.5	22	22.5	22.5	51204	16194.99	12810.83	10832.75	11211.00
CPC14-3	09-04 22:00	2.81	-31.75	8952.041	8183.137	5867.066	4080.916	4692.605	12.4	20.5	22	22.5	22.5	51204	16195.41	12810.69	10833.03	11210.89
CPC14-3	09-04 23:00	2.81	-32.25	8951.473	8183.525	5866.937	4080.765	4692.398	12.4	20.5	22	22.5	22.5	51203	16195.80	12810.57	10832.88	11210.68
CPC14-3	09-05 00:00	2.81	-32.81	8952.203	8183.152	5867.185	4080.833	4692.656	12.4	20.5	22	22.5	22.5	51204	16195.43	12810.81	10832.95	11210.94
CPC14-3	09-05 01:00	2.81	-33.44	8951.651	8183.3	5867.173	4080.667	4692.622	12.4	20.5	22	22.5	22.5	51204	16195.58	12810.80	10832.78	11210.90
CPC14-3	09-05 02:00	2.81	-33.85	8952.479	8183.123	5867.099	4080.637	4692.458	12.4	20.5	22	22.5	22.5	51205	16195.40	12810.73	10832.75	11210.74
CPC14-3	09-05 03:00	2.81	-34.03	8951.83	8182.882	5866.723	4081.022	4692.416	12.4	20.5	22	22.5	22.5	51204	16195.16	12810.35	10833.13	11210.70
CPC14-3	09-05 04:00	2.81	-33.79	8952.494	8183.408	5867.612	4080.719	4692.691	12.4	20.5	22	22.5	22.5	51205	16195.68	12811.24	10832.83	11210.97
CPC14-3	09-05 05:00	2.8	-34.32	8951.731	8182.673													

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	09-08 02:00	2.81	-32.42	8952.025	8182.747	5868.159	4081.513	4693.553	12.4	20.5	22	22.5	22.5	51207	16195.02	12811.79	10833.63	11211.83
CPC14-3	09-08 03:00	2.81	-32.76	8952.233	8182.583	5868.009	4081.845	4693.88	12.4	20.5	22	22.5	22.5	51207	16194.86	12811.64	10833.96	11212.16
CPC14-3	09-08 04:00	2.8	-33.74	8951.894	8183.137	5868.212	4081.748	4693.518	12.4	20.5	22	22.5	22.5	51207	16195.41	12811.84	10833.86	11211.80
CPC14-3	09-08 05:00	2.8	-34.62	8952.461	8183.3	5868.223	4081.582	4693.536	12.4	20.5	22	22.5	22.5	51208	16195.58	12811.85	10833.69	11211.82
CPC14-3	09-08 06:00	2.8	-34.8	8951.959	8183.288	5868.438	4081.785	4693.647	12.4	20.5	22	22.5	22.5	51207	16195.56	12812.07	10833.90	11211.93
CPC14-3	09-08 07:00	2.8	-35.23	8952.09	8183.436	5868.169	4081.808	4693.562	12.4	20.5	22	22.5	22.5	51207	16195.71	12811.80	10833.92	11211.84
CPC14-3	09-08 08:00	2.8	-31.1	8952.348	8183.243	5868.042	4081.883	4694.217	12.4	20.5	22	22.5	22.5	51208	16195.52	12811.67	10834.00	11212.50
CPC14-3	09-08 09:00	2.81	-26.14	8952.186	8183.107	5868.32	4082.117	4694.096	12.4	20.5	22	22.5	22.5	51208	16195.38	12811.95	10834.23	11212.38
CPC14-3	09-08 10:00	2.81	-24.41	8952.348	8183.137	5868.308	4081.982	4694.157	12.4	20.5	22	22.5	22.5	51208	16195.41	12811.94	10834.09	11212.44
CPC14-3	09-08 11:00	2.82	-23.23	8951.877	8183.452	5868.405	4082.05	4694.104	12.4	20.5	22	22.5	22.5	51207	16195.73	12812.03	10834.16	11212.38
CPC14-3	09-08 12:00	2.82	-22.42	8952.155	8183.152	5868.115	4081.891	4694.122	12.4	20.5	22	22.5	22.5	51208	16195.43	12811.74	10834.00	11212.40
CPC14-3	09-08 13:00	2.83	-23.23	8952.527	8183.48	5868.447	4081.867	4694.235	12.4	20.5	22	22.5	22.5	51208	16195.76	12812.08	10833.98	11212.52
CPC14-3	09-08 14:00	2.83	-22.82	8952.315	8183.512	5868.33	4081.785	4694.329	12.4	20.5	22	22.5	22.5	51208	16195.79	12811.96	10833.90	11212.61
CPC14-3	09-08 15:00	2.83	-21.13	8952.885	8184.095	5868.598	4082.11	4694.071	12.4	20.5	22	22.5	22.5	51208	16196.37	12812.23	10834.22	11212.35
CPC14-3	09-08 16:00	2.83	-21.24	8952.722	8183.421	5868.705	4082.035	4694.397	12.4	20.5	22	22.5	22.5	51208	16195.70	12812.33	10834.15	11212.68
CPC14-3	09-08 17:00	2.83	-21.79	8952.331	8183.288	5868.566	4082.027	4694.01	12.4	20.5	22	22.5	22.5	51208	16195.56	12812.19	10834.14	11212.29
CPC14-3	09-08 18:00	2.83	-23.73	8952.624	8183.197	5868.458	4082.132	4694.561	12.4	20.5	22	22.5	22.5	51208	16195.47	12812.09	10834.24	11212.84
CPC14-3	09-08 19:00	2.82	-27.98	8952.155	8183.152	5868.566	4082.156	4694.13	12.4	20.5	22	22.5	22.5	51208	16195.43	12812.19	10834.27	11212.41
CPC14-3	09-08 20:00	2.82	-30.78	8952.3	8183.243	5868.598	4081.966	4694.165	12.4	20.5	22	22.5	22.5	51208	16195.52	12812.23	10834.08	11212.45
CPC14-3	09-08 21:00	2.81	-31.92	8951.877	8183.691	5868.534	4082.148	4694.191	12.4	20.5	22	22.5	22.5	51208	16195.97	12812.16	10834.26	11212.47
CPC14-3	09-08 22:00	2.8	-32.48	8951.991	8183.512	5868.458	4082.125	4693.992	12.4	20.5	22	22.5	22.5	51208	16195.79	12812.09	10834.24	11212.27
CPC14-3	09-08 23:00	2.8	-32.98	8951.488	8183.48	5868.512	4082.072	4694.019	12.4	20.5	22	22.5	22.5	51207	16195.76	12812.14	10834.18	11212.30
CPC14-3	09-09 00:00	2.8	-33.56	8952.169	8183.841	5868.587	4082.056	4693.949	12.4	20.5	22	22.5	22.5	51208	16196.12	12812.22	10834.17	11212.23
CPC14-3	09-09 01:00	2.8	-34.21	8952.624	8183.3	5868.32	4082.291	4694.096	12.4	20.5	22	22.5	22.5	51209	16195.58	12811.95	10834.40	11212.38
CPC14-3	09-09 02:00	2.8	-34.56	8951.572	8183.255	5868.383	4082.08	4694.054	12.4	20.5	22	22.5	22.5	51208	16195.53	12812.01	10834.19	11212.33
CPC14-3	09-09 03:00	2.8	-34.56	8952.527	8183.706	5868.383	4082.08	4694.104	12.4	20.5	22	22.5	22.5	51209	16195.98	12812.01	10834.19	11212.38
CPC14-3	09-09 04:00	2.8	-34.68	8952.09	8183.677	5868.683	4082.11	4694.019	12.4	20.5	22	22.5	22.5	51208	16195.95	12812.31	10834.22	11212.30
CPC14-3	09-09 05:00	2.8	-35.11	8951.928	8183.452	5868.523	4082.291	4694.096	12.4	20.5	22	22.5	22.5	51208	16195.73	12812.15	10834.40	11212.38
CPC14-3	09-09 06:00	2.79	-35.11	8952.09	8183.512	5868.705	4082.473	4694.165	12.4	20.5	22	22.5	22.5	51208	16195.79	12812.33	10834.59	11212.45
CPC14-3	09-09 07:00	2.8	-34.86	8952.607	8183.421	5868.844	4082.609	4694.354	12.4	20.5	22	22.5	22.5	51209	16195.70	12812.47	10834.72	11212.63
CPC14-3	09-09 08:00	2.8	-30.99	8952.413	8183.391	5868.576	4082.443	4694.45	12.4	20.5	22	22.5	22.5	51209	16195.67	12812.20	10834.56	11212.73
CPC14-3	09-09 09:00	2.81	-25.15	8952.283	8183.197	5869.006	4082.624	4694.734	12.4	20.5	22	22.5	22.5	51209	16195.47	12812.63	10834.74	11213.01
CPC14-3	09-09 10:00	2.82	-22.86	8952.382	8183.885	5869.358	4082.896	4694.7	12.4	20.5	22	22.5	22.5	51209	16196.16	12812.99	10835.01	11212.98
CPC14-3	09-09 11:00	2.82	-22.5	8952.461	8183.632	5869.305	4082.896	4694.769	12.4	20.5	22	22.5	22.5	51209	16195.91	12812.93	10835.01	11213.05
CPC14-3	09-09 12:00	2.83	-22.38	8952.218	8183.616	5868.951	4082.775											

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	09-12 09:00	2.81	-24.8	8952.315	8183.827	5869.83	4083.751	4695.899	12.4	20.5	22	22.5	22.5	51212	16196.10	12813.46	10835.86	11214.18
CPC14-3	09-12 10:00	2.81	-22.7	8952.98	8184.304	5870.419	4083.546	4695.873	12.4	20.5	22	22.5	22.5	51212	16196.58	12814.05	10835.66	11214.15
CPC14-3	09-12 11:00	2.83	-22.02	8952.575	8184.17	5870.077	4083.909	4695.889	12.4	20.5	22	22.5	22.5	51212	16196.45	12813.71	10836.02	11214.17
CPC14-3	09-12 12:00	2.82	-21.98	8952.479	8183.691	5870.322	4083.788	4696.148	12.4	20.5	22	22.5	22.5	51212	16195.97	12813.95	10835.90	11214.43
CPC14-3	09-12 13:00	2.83	-21.44	8952.251	8183.542	5870.034	4083.872	4696.019	12.4	20.5	22	22.5	22.5	51212	16195.82	12813.66	10835.98	11214.30
CPC14-3	09-12 14:00	2.82	-20.45	8952.413	8184.005	5870.195	4083.88	4696.286	12.4	20.5	22	22.5	22.5	51212	16196.28	12813.82	10835.99	11214.57
CPC14-3	09-12 15:00	2.84	-19.49	8952.105	8184.155	5870.237	4083.985	4696.339	12.4	20.5	22	22.5	22.5	51212	16196.43	12813.87	10836.10	11214.62
CPC14-3	09-12 16:00	2.84	-19.57	8952.771	8183.677	5870.195	4083.833	4696.08	12.4	20.5	22	22.5	22.5	51212	16195.95	12813.82	10835.95	11214.36
CPC14-3	09-12 17:00	2.83	-20.75	8952.14	8184.38	5870.602	4083.872	4695.77	12.4	20.5	22	22.5	22.5	51212	16196.66	12814.23	10835.98	11214.05
CPC14-3	09-12 18:00	2.83	-23.36	8952.624	8183.99	5869.498	4083.766	4695.924	12.4	20.5	22	22.5	22.5	51212	16196.27	12813.13	10835.88	11214.20
CPC14-3	09-12 19:00	2.83	-27.54	8952.803	8183.885	5869.754	4083.978	4695.984	12.4	20.5	22	22.5	22.5	51213	16196.16	12813.38	10836.09	11214.26
CPC14-3	09-12 20:00	2.82	-29.78	8952.575	8183.632	5870.066	4083.811	4696.036	12.4	20.5	22	22.5	22.5	51212	16195.91	12813.69	10835.92	11214.32
CPC14-3	09-12 21:00	2.81	-30.83	8952.885	8183.616	5869.615	4083.864	4695.882	12.4	20.5	22	22.5	22.5	51213	16195.89	12813.24	10835.98	11214.16
CPC14-3	09-12 22:00	2.81	-31.42	8952.14	8184.11	5870.077	4084.175	4696.045	12.4	20.5	22	22.5	22.5	51212	16196.39	12813.71	10836.29	11214.33
CPC14-3	09-12 23:00	2.81	-32.03	8952.673	8183.75	5870.119	4084.03	4695.984	12.4	20.5	22	22.5	22.5	51213	16196.03	12813.75	10836.14	11214.26
CPC14-3	09-13 00:00	2.8	-32.48	8952.397	8184.32	5870.322	4083.97	4696.391	12.4	20.5	22	22.5	22.5	51212	16196.60	12813.95	10836.08	11214.67
CPC14-3	09-13 01:00	2.8	-32.76	8952.429	8184.215	5870.195	4084.046	4696.045	12.4	20.5	22	22.5	22.5	51212	16196.49	12813.82	10836.16	11214.33
CPC14-3	09-13 02:00	2.8	-33.1	8952.512	8184.246	5870.163	4083.917	4696.019	12.4	20.5	22	22.5	22.5	51213	16196.52	12813.79	10836.03	11214.30
CPC14-3	09-13 03:00	2.8	-33.39	8952.169	8183.975	5870.066	4083.849	4695.984	12.4	20.5	22	22.5	22.5	51212	16196.25	12813.69	10835.96	11214.26
CPC14-3	09-13 04:00	2.8	-33.33	8951.991	8183.975	5869.991	4084.06	4695.993	12.4	20.5	22	22.5	22.5	51212	16196.25	12813.62	10836.17	11214.27
CPC14-3	09-13 05:00	2.8	-33.5	8952.025	8184.41	5869.754	4084.114	4695.717	12.4	20.5	22	22.5	22.5	51212	16196.69	12813.38	10836.23	11214.00
CPC14-3	09-13 06:00	2.8	-33.79	8951.928	8184.471	5870.034	4083.909	4695.855	12.4	20.5	22	22.5	22.5	51212	16196.75	12813.66	10836.02	11214.14
CPC14-3	09-13 07:00	2.8	-33.62	8952.429	8184.186	5869.862	4083.607	4695.51	12.4	20.5	22	22.5	22.5	51213	16196.46	12813.49	10835.72	11213.79
CPC14-3	09-13 08:00	2.8	-29.99	8952.203	8184.08	5870.494	4083.94	4696.192	12.4	20.5	22	22.5	22.5	51212	16196.36	12814.12	10836.05	11214.47
CPC14-3	09-13 09:00	2.81	-24.03	8952.382	8184.5	5870.023	4084.137	4696.304	12.4	20.5	22	22.5	22.5	51213	16196.78	12813.65	10836.25	11214.58
CPC14-3	09-13 10:00	2.82	-22.42	8952.819	8183.812	5869.98	4084.114	4696.373	12.4	20.5	22	22.5	22.5	51213	16196.09	12813.61	10836.23	11214.65
CPC14-3	09-13 11:00	2.82	-21.67	8952.786	8184.155	5870.077	4084.144	4696.46	12.4	20.5	22	22.5	22.5	51213	16196.43	12813.71	10836.26	11214.74
CPC14-3	09-13 12:00	2.82	-22.3	8952.852	8184.23	5870.441	4084.265	4696.244	12.4	20.5	22	22.5	22.5	51213	16196.51	12814.07	10836.38	11214.52
CPC14-3	09-13 13:00	2.82	-22.14	8952.594	8184.56	5869.786	4084.099	4696.381	12.4	20.5	22	22.5	22.5	51213	16196.84	12813.41	10836.21	11214.66
CPC14-3	09-13 14:00	2.83	-21.86	8952.885	8184.215	5870.034	4084.137	4696.485	12.4	20.5	22	22.5	22.5	51213	16196.49	12813.66	10836.25	11214.77
CPC14-3	09-13 15:00	2.83	-23.07	8952.738	8184.304	5870.237	4084.212	4696.502	12.4	20.5	22	22.5	22.5	51213	16196.58	12813.87	10836.32	11214.78
CPC14-3	09-13 16:00	2.83	-21.47	8952.186	8184.32	5870.152	4083.94	4696.08	12.4	20.5	22	22.5	22.5	51213	16196.60	12813.78	10836.05	11214.36
CPC14-3	09-13 17:00	2.83	-23.11	8952.933	8184.275	5870.055	4083.978	4696.098	12.4	20.5	22	22.5	22.5	51214	16196.55	12813.68	10836.09	11214.38
CPC14-3	09-13 18:00	2.83	-26	8952.251	8183.767	5870.066	4083.788	4695.907	12.4	20.5	22	22.5	22.5	51213	16196.04	12813.69	10835.90	11214.19
CPC14-3	09-13 19:00	2.82	-28.72	8952.673	8184.23	5869.97	4083.963	4696.0										

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	09-16 16:00	2.82	-22.74	8952.688	8184.665	5871.341	4085.363	4697.503	12.4	20.5	22	22.5	22.5	51216	16196.94	12814.97	10837.48	11215.78
CPC14-3	09-16 17:00	2.83	-23.4	8952.966	8184.665	5871.169	4085.067	4697.166	12.4	20.5	22	22.5	22.5	51217	16196.94	12814.80	10837.18	11215.45
CPC14-3	09-16 18:00	2.82	-25.28	8952.835	8184.575	5871.256	4085.12	4697.219	12.4	20.5	22	22.5	22.5	51217	16196.85	12814.88	10837.23	11215.50
CPC14-3	09-16 19:00	2.81	-28.97	8953.047	8184.665	5871.33	4085.286	4697.219	12.4	20.5	22	22.5	22.5	51217	16196.94	12814.96	10837.40	11215.50
CPC14-3	09-16 20:00	2.81	-30.89	8952.315	8184.484	5871.792	4085.195	4697.106	12.4	20.5	22	22.5	22.5	51216	16196.76	12815.42	10837.31	11215.39
CPC14-3	09-16 21:00	2.81	-31.97	8952.429	8184.83	5871.373	4085.226	4697.297	12.4	20.5	22	22.5	22.5	51216	16197.11	12815.00	10837.34	11215.58
CPC14-3	09-16 22:00	2.8	-32.76	8952.575	8185.085	5871.576	4085.158	4697.365	12.4	20.5	22	22.5	22.5	51216	16197.36	12815.20	10837.27	11215.65
CPC14-3	09-16 23:00	2.8	-33.04	8952.12	8185.279	5871.481	4085.272	4697.374	12.4	20.5	22	22.5	22.5	51216	16197.56	12815.11	10837.38	11215.65
CPC14-3	09-17 00:00	2.8	-33.33	8952.996	8185.684	5871.716	4085.317	4697.417	12.4	20.5	22	22.5	22.5	51217	16197.96	12815.34	10837.43	11215.70
CPC14-3	09-17 01:00	2.8	-34.09	8953.028	8184.725	5871.727	4085.294	4697.158	12.4	20.5	22	22.5	22.5	51217	16197.00	12815.36	10837.41	11215.44
CPC14-3	09-17 02:00	2.8	-34.5	8952.105	8185.024	5871.523	4085.468	4697.469	12.4	20.5	22	22.5	22.5	51216	16197.30	12815.15	10837.58	11215.75
CPC14-3	09-17 03:00	2.8	-34.5	8952.3	8185.504	5871.405	4085.294	4697.426	12.4	20.5	22	22.5	22.5	51216	16197.78	12815.03	10837.41	11215.71
CPC14-3	09-17 04:00	2.8	-34.68	8952.527	8185.19	5871.363	4085.483	4697.21	12.4	20.5	22	22.5	22.5	51217	16197.47	12814.99	10837.60	11215.49
CPC14-3	09-17 05:00	2.79	-35.23	8952.575	8184.814	5871.523	4085.142	4697.227	12.4	20.5	22	22.5	22.5	51217	16197.09	12815.15	10837.25	11215.51
CPC14-3	09-17 06:00	2.8	-34.62	8952.624	8185.249	5871.576	4085.264	4697.21	12.4	20.5	22	22.5	22.5	51217	16197.53	12815.20	10837.38	11215.49
CPC14-3	09-17 07:00	2.8	-34.5	8952.233	8184.995	5871.449	4085.324	4697.451	12.4	20.5	22	22.5	22.5	51216	16197.27	12815.08	10837.44	11215.73
CPC14-3	09-17 08:00	2.8	-32.03	8952.397	8185.444	5871.695	4085.392	4697.556	12.4	20.5	22	22.5	22.5	51217	16197.72	12815.32	10837.50	11215.84
CPC14-3	09-17 09:00	2.81	-27.54	8952.12	8184.62	5871.631	4085.537	4697.814	12.4	20.5	22	22.5	22.5	51216	16196.90	12815.26	10837.65	11216.09
CPC14-3	09-17 10:00	2.81	-25.82	8953.29	8184.933	5871.373	4085.666	4697.322	12.4	20.5	22	22.5	22.5	51218	16197.21	12815.00	10837.78	11215.60
CPC14-3	09-17 11:00	2.82	-25.42	8952.14	8185.355	5871.684	4085.589	4697.581	12.4	20.5	22	22.5	22.5	51217	16197.63	12815.31	10837.70	11215.86
CPC14-3	09-17 12:00	2.82	-24.93	8952.866	8184.843	5871.481	4085.635	4697.762	12.4	20.5	22	22.5	22.5	51217	16197.12	12815.11	10837.75	11216.04
CPC14-3	09-17 13:00	2.82	-24.54	8953.095	8185.338	5871.727	4085.521	4697.754	12.4	20.5	22	22.5	22.5	51218	16197.61	12815.36	10837.63	11216.03
CPC14-3	09-17 14:00	2.82	-23.86	8953.16	8185.355	5871.684	4085.589	4697.59	12.4	20.5	22	22.5	22.5	51218	16197.63	12815.31	10837.70	11215.87
CPC14-3	09-17 15:00	2.82	-22.99	8953.339	8184.814	5871.405	4085.589	4697.632	12.4	20.5	22	22.5	22.5	51218	16197.09	12815.03	10837.70	11215.91
CPC14-3	09-17 16:00	2.82	-22.74	8952.413	8185.355	5871.727	4085.65	4697.806	12.4	20.5	22	22.5	22.5	51217	16197.63	12815.36	10837.76	11216.09
CPC14-3	09-17 17:00	2.82	-23.03	8952.397	8185.519	5871.877	4085.816	4697.615	12.4	20.5	22	22.5	22.5	51217	16197.80	12815.51	10837.93	11215.90
CPC14-3	09-17 18:00	2.82	-24.8	8952.786	8185.249	5871.642	4085.627	4697.659	12.4	20.5	22	22.5	22.5	51217	16197.53	12815.27	10837.74	11215.94
CPC14-3	09-17 19:00	2.82	-28.97	8953.29	8185.669	5872.039	4085.666	4697.667	12.4	20.5	22	22.5	22.5	51218	16197.95	12815.67	10837.78	11215.95
CPC14-3	09-17 20:00	2.81	-31.26	8952.966	8184.875	5871.824	4085.505	4697.443	12.4	20.5	22	22.5	22.5	51218	16197.15	12815.45	10837.62	11215.72
CPC14-3	09-17 21:00	2.8	-32.25	8952.949	8185.355	5872.103	4085.43	4697.909	12.4	20.5	22	22.5	22.5	51218	16197.63	12815.73	10837.54	11216.19
CPC14-3	09-17 22:00	2.8	-32.7	8952.771	8185.324	5871.739	4085.589	4697.409	12.4	20.5	22	22.5	22.5	51218	16197.60	12815.37	10837.70	11215.69
CPC14-3	09-17 23:00	2.8	-33.44	8952.365	8185.158	5872.006	4085.566	4697.546	12.4	20.5	22	22.5	22.5	51217	16197.43	12815.63	10837.68	11215.83
CPC14-3	09-18 00:00	2.8	-33.85	8952.283	8185.024	5871.556	4085.68	4697.563	12.4	20.5	22	22.5	22.5	51217	16197.30	12815.18	10837.79	11215.84
CPC14-3	09-18 01:00	2.8	-34.68	8951.943	8185.625	5871.309	4085.763	4697.409	12.4	20.5	22	22.5	22.5	51217	16197.90	12814.94	10837.88	11215.69
CPC14-3	09-18 02:00	2.79	-35.23	8952.624	8185.264	5871.318	4085.793											

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	09-20 23:00	2.79	-33.5	8953.11	8185.489	5872.273	4086.324	4698.169	12.4	20.5	22	22.5	22.5	51221	16197.77	12815.90	10838.44	11216.45
CPC14-3	09-21 00:00	2.8	-33.85	8952.413	8185.249	5872.156	4086.203	4698.833	12.4	20.5	22	22.5	22.5	51220	16197.53	12815.78	10838.32	11217.11
CPC14-3	09-21 01:00	2.8	-34.03	8953.079	8185.04	5872.66	4086.392	4698.616	12.4	20.5	22	22.5	22.5	51221	16197.32	12816.29	10838.50	11216.90
CPC14-3	09-21 02:00	2.79	-34.32	8952.413	8185.669	5872.36	4086.731	4698.47	12.4	20.5	22	22.5	22.5	51220	16197.95	12815.99	10838.84	11216.75
CPC14-3	09-21 03:00	2.79	-34.98	8952.835	8185.625	5872.285	4086.301	4698.729	12.4	20.5	22	22.5	22.5	51221	16197.90	12815.91	10838.41	11217.01
CPC14-3	09-21 04:00	2.79	-34.86	8952.673	8185.504	5872.264	4086.559	4698.453	12.4	20.5	22	22.5	22.5	51221	16197.78	12815.89	10838.67	11216.73
CPC14-3	09-21 05:00	2.79	-34.32	8952.852	8185.219	5872.211	4086.596	4698.574	12.4	20.5	22	22.5	22.5	51221	16197.50	12815.84	10838.71	11216.85
CPC14-3	09-21 06:00	2.79	-34.09	8953.015	8185.13	5872.413	4086.649	4698.271	12.4	20.5	22	22.5	22.5	51221	16197.41	12816.04	10838.76	11216.55
CPC14-3	09-21 07:00	2.8	-33.74	8952.624	8185.76	5872.757	4086.823	4698.479	12.4	20.5	22	22.5	22.5	51221	16198.04	12816.39	10838.94	11216.76
CPC14-3	09-21 08:00	2.8	-30.89	8952.738	8185.652	5872.616	4086.74	4698.574	12.4	20.5	22	22.5	22.5	51221	16197.93	12816.24	10838.85	11216.85
CPC14-3	09-21 09:00	2.8	-24.45	8952.155	8185.279	5872.563	4087.134	4698.358	12.4	20.5	22	22.5	22.5	51220	16197.56	12816.19	10839.25	11216.64
CPC14-3	09-21 10:00	2.81	-21.67	8953.404	8185.788	5872.607	4086.793	4698.298	12.4	20.5	22	22.5	22.5	51222	16198.06	12816.24	10838.91	11216.58
CPC14-3	09-21 11:00	2.81	-20.82	8952.752	8185.1	5872.799	4087.035	4698.807	12.4	20.5	22	22.5	22.5	51221	16197.38	12816.43	10839.15	11217.09
CPC14-3	09-21 12:00	2.82	-20.79	8953.11	8186.299	5872.5	4086.99	4698.565	12.4	20.5	22	22.5	22.5	51222	16198.58	12816.13	10839.10	11216.85
CPC14-3	09-21 13:00	2.83	-21.01	8953.177	8185.519	5872.349	4086.968	4698.721	12.4	20.5	22	22.5	22.5	51222	16197.80	12815.98	10839.08	11217.00
CPC14-3	09-21 14:00	2.82	-20.98	8952.688	8185.594	5872.724	4086.952	4698.729	12.4	20.5	22	22.5	22.5	51221	16197.87	12816.35	10839.06	11217.01
CPC14-3	09-21 15:00	2.81	-20.67	8953.015	8185.594	5872.703	4087.21	4698.66	12.4	20.5	22	22.5	22.5	51222	16197.87	12816.33	10839.32	11216.94
CPC14-3	09-21 16:00	2.83	-21.79	8953.028	8185.415	5872.231	4086.952	4698.625	12.4	20.5	22	22.5	22.5	51222	16197.69	12815.86	10839.06	11216.91
CPC14-3	09-21 17:00	2.82	-23.07	8953.028	8185.399	5872.51	4086.913	4698.686	12.4	20.5	22	22.5	22.5	51222	16197.68	12816.14	10839.03	11216.97
CPC14-3	09-21 18:00	2.82	-26.05	8952.835	8185.444	5872.767	4087.058	4698.798	12.4	20.5	22	22.5	22.5	51222	16197.72	12816.40	10839.17	11217.08
CPC14-3	09-21 19:00	2.81	-28.37	8952.14	8185.279	5873.143	4086.899	4698.643	12.4	20.5	22	22.5	22.5	51221	16197.56	12816.77	10839.01	11216.92
CPC14-3	09-21 20:00	2.8	-29.52	8952.835	8185.563	5872.445	4086.913	4698.721	12.4	20.5	22	22.5	22.5	51222	16197.84	12816.07	10839.03	11217.00
CPC14-3	09-21 21:00	2.8	-29.89	8952.786	8185.819	5872.854	4086.762	4698.651	12.4	20.5	22	22.5	22.5	51222	16198.10	12816.48	10838.87	11216.93
CPC14-3	09-21 22:00	2.81	-30.51	8952.429	8184.995	5872.553	4086.861	4698.341	12.4	20.5	22	22.5	22.5	51221	16197.27	12816.18	10838.97	11216.62
CPC14-3	09-21 23:00	2.8	-30.73	8953.143	8185.805	5872.735	4086.929	4698.41	12.4	20.5	22	22.5	22.5	51222	16198.08	12816.36	10839.04	11216.69
CPC14-3	09-22 00:00	2.8	-30.67	8952.786	8185.805	5872.842	4086.913	4698.867	12.4	20.5	22	22.5	22.5	51222	16198.08	12816.47	10839.03	11217.15
CPC14-3	09-22 01:00	2.8	-30.89	8952.642	8185.85	5873.315	4086.937	4698.79	12.4	20.5	22	22.5	22.5	51222	16198.13	12816.94	10839.05	11217.07
CPC14-3	09-22 02:00	2.79	-31.21	8952.852	8185.772	5872.66	4086.982	4698.599	12.4	20.5	22	22.5	22.5	51222	16198.05	12816.29	10839.09	11216.88
CPC14-3	09-22 03:00	2.81	-31.37	8953.11	8185.652	5872.692	4086.786	4698.712	12.4	20.5	22	22.5	22.5	51222	16197.93	12816.32	10838.90	11216.99
CPC14-3	09-22 04:00	2.8	-31.53	8952.722	8186.03	5873.315	4087.081	4698.678	12.4	20.5	22	22.5	22.5	51222	16198.31	12816.94	10839.19	11216.96
CPC14-3	09-22 05:00	2.8	-31.64	8953.079	8185.625	5873.035	4087.148	4698.824	12.4	20.5	22	22.5	22.5	51222	16197.90	12816.66	10839.26	11217.10
CPC14-3	09-22 06:00	2.81	-31.37	8952.705	8185.819	5873.347	4086.846	4698.574	12.4	20.5	22	22.5	22.5	51222	16198.10	12816.98	10838.96	11216.85
CPC14-3	09-22 07:00	2.81	-30.94	8952.494	8185.594	5873.143	4087.02	4698.79	12.4	20.5	22	22.5	22.5	51222	16197.87	12816.77	10839.13	11217.07
CPC14-3	09-22 08:00	2.8	-28.17	8953.015	8185.833	5873.368	4087.179	4698.462	12.4	20.5	22	22.5	22.5	51222	16198.11	12817.00	10839.29	11216.74
CPC14-3	09-22 09:00	2.81	-23.31	8952.803	8186.044	5872.682	4087.103											

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	09-25 06:00	2.79	-36.09	8952.348	8186.566	5873.401	4087.854	4699.368	12.4	20.5	22	22.5	22.5	51225	16198.84	12817.03	10839.97	11217.65
CPC14-3	09-25 07:00	2.79	-36.09	8952.852	8185.985	5873.401	4087.498	4699.411	12.4	20.5	22	22.5	22.5	51225	16198.26	12817.03	10839.61	11217.69
CPC14-3	09-25 08:00	2.79	-33.91	8952.155	8186.358	5873.528	4087.845	4699.627	12.4	20.5	22	22.5	22.5	51224	16198.63	12817.16	10839.96	11217.91
CPC14-3	09-25 09:00	2.79	-26.46	8952.996	8186.313	5873.421	4087.944	4699.853	12.4	20.5	22	22.5	22.5	51225	16198.59	12817.05	10840.06	11218.13
CPC14-3	09-25 10:00	2.81	-23.44	8953.095	8186.327	5873.658	4088.065	4699.696	12.4	20.5	22	22.5	22.5	51225	16198.60	12817.29	10840.18	11217.98
CPC14-3	09-25 11:00	2.82	-22.3	8953.29	8185.714	5873.55	4088.065	4699.583	12.4	20.5	22	22.5	22.5	51226	16197.99	12817.18	10840.18	11217.86
CPC14-3	09-25 12:00	2.82	-22.18	8953.483	8186.447	5873.207	4087.936	4699.385	12.4	20.5	22	22.5	22.5	51226	16198.72	12816.84	10840.05	11217.67
CPC14-3	09-25 13:00	2.82	-21.51	8952.835	8186.193	5872.992	4087.959	4699.264	12.4	20.5	22	22.5	22.5	51225	16198.47	12816.62	10840.07	11217.54
CPC14-3	09-25 14:00	2.81	-20.64	8952.835	8186.313	5873.379	4088.012	4699.48	12.4	20.5	22	22.5	22.5	51225	16198.59	12817.01	10840.12	11217.76
CPC14-3	09-25 15:00	2.82	-22.9	8952.914	8186.358	5873.528	4087.815	4699.334	12.4	20.5	22	22.5	22.5	51225	16198.63	12817.16	10839.93	11217.61
CPC14-3	09-25 16:00	2.82	-24.63	8953.404	8185.985	5873.497	4088.027	4699.627	12.4	20.5	22	22.5	22.5	51226	16198.26	12817.13	10840.14	11217.91
CPC14-3	09-25 17:00	2.82	-22.86	8953.19	8186.688	5873.154	4087.906	4699.308	12.4	20.5	22	22.5	22.5	51226	16198.96	12816.78	10840.02	11217.59
CPC14-3	09-25 18:00	2.8	-25.73	8952.722	8185.788	5873.163	4087.891	4699.602	12.4	20.5	22	22.5	22.5	51225	16198.06	12816.79	10840.00	11217.88
CPC14-3	09-25 19:00	2.82	-29.73	8952.607	8185.968	5873.368	4087.815	4699.507	12.4	20.5	22	22.5	22.5	51225	16198.24	12817.00	10839.93	11217.79
CPC14-3	09-25 20:00	2.8	-31.32	8952.607	8186.103	5873.69	4087.687	4699.49	12.4	20.5	22	22.5	22.5	51225	16198.38	12817.32	10839.80	11217.77
CPC14-3	09-25 21:00	2.8	-32.42	8952.3	8186.119	5873.647	4087.807	4699.756	12.4	20.5	22	22.5	22.5	51225	16198.40	12817.28	10839.92	11218.04
CPC14-3	09-25 22:00	2.8	-32.7	8953.028	8186.418	5873.635	4087.914	4699.86	12.4	20.5	22	22.5	22.5	51226	16198.69	12817.26	10840.03	11218.14
CPC14-3	09-25 23:00	2.8	-33.62	8952.512	8186.566	5873.41	4087.672	4699.472	12.4	20.5	22	22.5	22.5	51225	16198.84	12817.04	10839.78	11217.75
CPC14-3	09-26 00:00	2.79	-34.32	8952.98	8186.627	5873.476	4087.754	4699.54	12.4	20.5	22	22.5	22.5	51226	16198.90	12817.10	10839.87	11217.82
CPC14-3	09-26 01:00	2.79	-34.62	8952.283	8186.074	5873.335	4087.883	4699.714	12.4	20.5	22	22.5	22.5	51225	16198.35	12816.96	10840.00	11217.99
CPC14-3	09-26 02:00	2.78	-34.56	8952.705	8186.358	5873.497	4087.558	4699.403	12.4	20.5	22	22.5	22.5	51226	16198.63	12817.13	10839.67	11217.68
CPC14-3	09-26 03:00	2.78	-34.86	8952.771	8186.386	5873.561	4087.588	4699.609	12.4	20.5	22	22.5	22.5	51226	16198.66	12817.19	10839.70	11217.89
CPC14-3	09-26 04:00	2.78	-34.44	8953.079	8186.074	5873.078	4087.701	4699.739	12.4	20.5	22	22.5	22.5	51226	16198.35	12816.71	10839.81	11218.02
CPC14-3	09-26 05:00	2.79	-34.26	8952.233	8185.953	5873.421	4087.611	4699.609	12.4	20.5	22	22.5	22.5	51225	16198.23	12817.05	10839.72	11217.89
CPC14-3	09-26 06:00	2.79	-34.09	8953.29	8186.374	5873.389	4087.709	4699.688	12.4	20.5	22	22.5	22.5	51226	16198.65	12817.02	10839.82	11217.97
CPC14-3	09-26 07:00	2.79	-34.09	8952.771	8185.728	5873.635	4087.891	4699.972	12.4	20.5	22	22.5	22.5	51226	16198.00	12817.26	10840.00	11218.25
CPC14-3	09-26 08:00	2.79	-32.08	8952.607	8186.341	5873.635	4087.951	4699.843	12.4	20.5	22	22.5	22.5	51226	16198.62	12817.26	10840.06	11218.12
CPC14-3	09-26 09:00	2.8	-25.06	8952.251	8186.403	5873.743	4088.004	4700.033	12.4	20.5	22	22.5	22.5	51226	16198.68	12817.37	10840.12	11218.31
CPC14-3	09-26 10:00	2.81	-22.34	8953.563	8186.299	5873.304	4088.307	4700.041	12.4	20.5	22	22.5	22.5	51227	16198.58	12816.93	10840.42	11218.32
CPC14-3	09-26 11:00	2.83	-21.44	8952.771	8186.463	5873.26	4088.55	4700.041	12.4	20.5	22	22.5	22.5	51226	16198.74	12816.89	10840.66	11218.32
CPC14-3	09-26 12:00	2.81	-21.17	8953.256	8186.358	5873.281	4088.399	4700.258	12.4	20.5	22	22.5	22.5	51227	16198.63	12816.91	10840.51	11218.54
CPC14-3	09-26 13:00	2.82	-21.28	8952.738	8186.358	5873.325	4088.354	4700.111	12.4	20.5	22	22.5	22.5	51226	16198.63	12816.95	10840.47	11218.39
CPC14-3	09-26 14:00	2.82	-21.55	8952.996	8186.327	5873.089	4088.096	4700.007	12.4	20.5	22	22.5	22.5	51227	16198.60	12816.72	10840.21	11218.29
CPC14-3	09-26 15:00	2.82	-21.4	8952.559	8186.313	5873.239	4088.08	4699.972	12.4	20.5	22	22.5	22.5	51226	16198.59	12816.87	10840.19	11218.25
CPC14-3	09-26 16:00	2.82	-21.86	8953.452	8186.313	5873.293												

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	09-29 13:00	2.81	-26	8953.11	8186.988	5875.063	4089.558	4701	12.4	20.5	22	22.5	22.5	51230	16199.26	12818.69	10841.67	11219.28
CPC14-3	09-29 14:00	2.81	-28.37	8952.98	8186.747	5874.677	4089.671	4701.321	12.4	20.5	22	22.5	22.5	51230	16199.02	12818.31	10841.78	11219.60
CPC14-3	09-29 15:00	2.81	-30.83	8953.468	8186.643	5874.988	4089.429	4701.285	12.4	20.5	22	22.5	22.5	51230	16198.92	12818.62	10841.54	11219.57
CPC14-3	09-29 16:00	2.8	-31.75	8953.239	8186.837	5874.677	4089.595	4701.494	12.4	20.5	22	22.5	22.5	51230	16199.11	12818.31	10841.71	11219.77
CPC14-3	09-29 17:00	2.79	-31.64	8952.594	8186.269	5874.677	4089.421	4701.476	12.4	20.5	22	22.5	22.5	51229	16198.55	12818.31	10841.53	11219.76
CPC14-3	09-29 18:00	2.8	-32.14	8953.11	8186.702	5874.773	4089.467	4701.156	12.4	20.5	22	22.5	22.5	51230	16198.98	12818.40	10841.58	11219.44
CPC14-3	09-29 19:00	2.79	-33.44	8952.98	8186.882	5874.967	4089.368	4701.251	12.4	20.5	22	22.5	22.5	51230	16199.16	12818.60	10841.48	11219.53
CPC14-3	09-29 20:00	2.8	-34.03	8952.819	8186.853	5874.709	4089.543	4701.087	12.4	20.5	22	22.5	22.5	51230	16199.13	12818.34	10841.66	11219.37
CPC14-3	09-29 21:00	2.79	-34.32	8953.274	8186.657	5875.009	4089.475	4701.208	12.4	20.5	22	22.5	22.5	51230	16198.93	12818.64	10841.59	11219.49
CPC14-3	09-29 22:00	2.79	-34.98	8952.673	8186.718	5875.266	4089.785	4701.216	12.4	20.5	22	22.5	22.5	51230	16198.99	12818.89	10841.90	11219.50
CPC14-3	09-29 23:00	2.79	-34.98	8952.413	8187.136	5875.095	4089.83	4701.303	12.4	20.5	22	22.5	22.5	51229	16199.41	12818.72	10841.94	11219.58
CPC14-3	09-30 00:00	2.79	-34.32	8952.382	8187.077	5874.57	4089.755	4701.501	12.4	20.5	22	22.5	22.5	51229	16199.35	12818.20	10841.87	11219.78
CPC14-3	09-30 01:00	2.79	-34.38	8952.594	8186.386	5875.126	4089.649	4701.216	12.4	20.5	22	22.5	22.5	51230	16198.66	12818.75	10841.76	11219.50
CPC14-3	09-30 02:00	2.79	-33.97	8953.614	8187.241	5875.009	4089.558	4701.26	12.4	20.5	22	22.5	22.5	51231	16199.52	12818.64	10841.67	11219.54
CPC14-3	09-30 03:00	2.8	-33.62	8953.11	8186.747	5875.031	4089.619	4701.295	12.4	20.5	22	22.5	22.5	51230	16199.02	12818.66	10841.73	11219.58
CPC14-3	09-30 04:00	2.79	-33.27	8952.642	8186.837	5875.31	4089.846	4701.087	12.4	20.5	22	22.5	22.5	51230	16199.11	12818.94	10841.96	11219.37
CPC14-3	09-30 05:00	2.79	-32.81	8952.27	8186.657	5874.913	4089.308	4701.097	12.4	20.5	22	22.5	22.5	51229	16198.93	12818.54	10841.42	11219.38
CPC14-3	09-30 06:00	2.8	-32.87	8952.429	8186.657	5875.234	4089.521	4701.026	12.4	20.5	22	22.5	22.5	51230	16198.93	12818.86	10841.63	11219.31
CPC14-3	09-30 07:00	2.8	-32.7	8953.339	8186.299	5875.224	4089.671	4701.338	12.4	20.5	22	22.5	22.5	51231	16198.58	12818.85	10841.78	11219.62
CPC14-3	09-30 08:00	2.8	-31.81	8952.866	8186.521	5875.04	4089.626	4701.199	12.4	20.5	22	22.5	22.5	51230	16198.80	12818.67	10841.74	11219.48
CPC14-3	09-30 09:00	2.79	-30.41	8952.803	8186.853	5875.126	4089.838	4701.182	12.4	20.5	22	22.5	22.5	51230	16199.13	12818.75	10841.95	11219.46
CPC14-3	09-30 10:00	2.8	-27.83	8952.966	8186.418	5874.999	4089.807	4700.983	12.4	20.5	22	22.5	22.5	51230	16198.69	12818.63	10841.92	11219.26
CPC14-3	09-30 11:00	2.8	-26.23	8952.803	8186.958	5875.406	4089.709	4701.458	12.4	20.5	22	22.5	22.5	51230	16199.23	12819.03	10841.82	11219.74
CPC14-3	09-30 12:00	2.82	-26.74	8953.646	8186.971	5875.009	4089.93	4701.251	12.4	20.5	22	22.5	22.5	51231	16199.25	12818.64	10842.04	11219.53
CPC14-3	09-30 13:00	2.81	-25.2	8953.239	8186.868	5875.245	4090.012	4701.432	12.4	20.5	22	22.5	22.5	51231	16199.14	12818.87	10842.12	11219.71
CPC14-3	09-30 14:00	2.82	-23.27	8952.933	8187.181	5875.278	4090.027	4701.303	12.4	20.5	22	22.5	22.5	51230	16199.46	12818.91	10842.14	11219.58
CPC14-3	09-30 15:00	2.82	-25.6	8953.143	8186.837	5875.106	4089.989	4701.346	12.4	20.5	22	22.5	22.5	51231	16199.11	12818.73	10842.10	11219.63
CPC14-3	09-30 16:00	2.8	-26.28	8952.852	8186.808	5875.148	4089.801	4701.407	12.4	20.5	22	22.5	22.5	51230	16199.08	12818.78	10841.91	11219.69
CPC14-3	09-30 17:00	2.8	-30.35	8953.177	8187.107	5875.202	4089.572	4700.992	12.4	20.5	22	22.5	22.5	51231	16199.38	12818.83	10841.68	11219.27
CPC14-3	09-30 18:00	2.8	-31.81	8953.581	8186.823	5875.266	4089.671	4701.216	12.4	20.5	22	22.5	22.5	51231	16199.10	12818.89	10841.78	11219.50
CPC14-3	09-30 19:00	2.8	-33.04	8953.063	8187.048	5875.245	4089.801	4701.062	12.4	20.5	22	22.5	22.5	51231	16199.32	12818.87	10841.91	11219.34
CPC14-3	09-30 20:00	2.79	-33.39	8952.705	8186.447	5875.02	4089.702	4701.087	12.4	20.5	22	22.5	22.5	51230	16198.72	12818.65	10841.81	11219.37
CPC14-3	09-30 21:00	2.79	-33.33	8952.933	8186.611	5875.319	4089.619	4701.285	12.4	20.5	22	22.5	22.5	51231	16198.89	12818.95	10841.73	11219.57
CPC14-3	09-30 22:00	2.78	-34.09	8952.966	8186.913	5875.503	4089.83	4701.243	12.4	20.5	22	22.5	22.5	51231	16199.19	12819.13	10841.94	11219.52
CPC14-3	09-30 23:00	2.79	-34.15	8952.688	8186.521	5874.794	4089.93</											

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	10-03 20:00	2.79	-35.17	8952.98	8187.466	5875.588	4090.232	4702.055	12.4	20.5	22	22.5	22.5	51234	16199.74	12819.22	10842.34	11220.34
CPC14-3	10-03 21:00	2.79	-35.59	8952.885	8187.181	5875.503	4090.474	4701.986	12.4	20.5	22	22.5	22.5	51234	16199.46	12819.13	10842.59	11220.27
CPC14-3	10-03 22:00	2.78	-35.9	8952.819	8186.553	5875.867	4090.521	4702.401	12.4	20.5	22	22.5	22.5	51234	16198.83	12819.50	10842.63	11220.68
CPC14-3	10-03 23:00	2.78	-36.09	8952.429	8187.241	5875.536	4090.604	4702.358	12.4	20.5	22	22.5	22.5	51233	16199.52	12819.16	10842.72	11220.64
CPC14-3	10-04 00:00	2.77	-36.34	8952.966	8187.272	5875.374	4090.536	4702.574	12.4	20.5	22	22.5	22.5	51234	16199.55	12819.00	10842.65	11220.85
CPC14-3	10-04 01:00	2.78	-36.15	8953.079	8187.406	5875.428	4090.975	4702.15	12.4	20.5	22	22.5	22.5	51234	16199.68	12819.06	10843.09	11220.43
CPC14-3	10-04 02:00	2.77	-36.09	8952.786	8187.181	5876.06	4090.809	4702.341	12.4	20.5	22	22.5	22.5	51234	16199.46	12819.69	10842.92	11220.62
CPC14-3	10-04 03:00	2.78	-36.53	8952.885	8187.136	5875.643	4090.764	4701.969	12.4	20.5	22	22.5	22.5	51234	16199.41	12819.27	10842.88	11220.25
CPC14-3	10-04 04:00	2.78	-36.98	8953.305	8186.958	5875.557	4090.529	4702.193	12.4	20.5	22	22.5	22.5	51234	16199.23	12819.19	10842.64	11220.47
CPC14-3	10-04 05:00	2.78	-37.3	8952.542	8187.483	5875.921	4090.785	4702.488	12.4	20.5	22	22.5	22.5	51234	16199.76	12819.55	10842.90	11220.77
CPC14-3	10-04 06:00	2.77	-37.49	8951.991	8187.168	5875.611	4090.709	4702.479	12.4	20.5	22	22.5	22.5	51233	16199.44	12819.24	10842.82	11220.76
CPC14-3	10-04 07:00	2.77	-36.72	8953.354	8188.006	5875.643	4090.983	4702.332	12.4	20.5	22	22.5	22.5	51235	16200.28	12819.27	10843.10	11220.61
CPC14-3	10-04 08:00	2.78	-34.62	8952.786	8187.302	5875.761	4090.862	4702.366	12.4	20.5	22	22.5	22.5	51234	16199.58	12819.39	10842.97	11220.65
CPC14-3	10-04 09:00	2.79	-28.27	8952.673	8187.123	5875.901	4090.656	4701.986	12.4	20.5	22	22.5	22.5	51234	16199.40	12819.53	10842.77	11220.27
CPC14-3	10-04 10:00	2.79	-26.93	8952.722	8187.272	5875.782	4090.779	4702.642	12.4	20.5	22	22.5	22.5	51234	16199.55	12819.41	10842.89	11220.92
CPC14-3	10-04 11:00	2.81	-27.45	8952.771	8186.732	5875.557	4090.627	4702.401	12.4	20.5	22	22.5	22.5	51234	16199.01	12819.19	10842.74	11220.68
CPC14-3	10-04 12:00	2.8	-27.69	8953.16	8186.882	5875.814	4090.702	4702.452	12.4	20.5	22	22.5	22.5	51235	16199.16	12819.44	10842.81	11220.73
CPC14-3	10-04 13:00	2.8	-26.42	8952.203	8187.151	5876.254	4090.975	4702.582	12.4	20.5	22	22.5	22.5	51234	16199.43	12819.88	10843.09	11220.86
CPC14-3	10-04 14:00	2.81	-25.11	8953.047	8187.241	5875.567	4091.089	4702.808	12.4	20.5	22	22.5	22.5	51235	16199.52	12819.20	10843.20	11221.09
CPC14-3	10-04 15:00	2.8	-25.06	8952.996	8187.438	5876.136	4091.165	4702.314	12.4	20.5	22	22.5	22.5	51235	16199.71	12819.76	10843.28	11220.59
CPC14-3	10-04 16:00	2.81	-25.24	8952.996	8187.181	5876.426	4091.119	4702.582	12.4	20.5	22	22.5	22.5	51235	16199.46	12820.05	10843.23	11220.86
CPC14-3	10-04 17:00	2.81	-26.88	8953.015	8187.316	5876.092	4091.226	4702.711	12.4	20.5	22	22.5	22.5	51235	16199.59	12819.72	10843.34	11220.99
CPC14-3	10-04 18:00	2.8	-30.46	8952.3	8187.406	5875.996	4091.135	4702.686	12.4	20.5	22	22.5	22.5	51234	16199.68	12819.62	10843.25	11220.97
CPC14-3	10-04 19:00	2.8	-33.62	8952.397	8186.882	5875.588	4091.127	4702.21	12.4	20.5	22	22.5	22.5	51234	16199.16	12819.22	10843.24	11220.49
CPC14-3	10-04 20:00	2.79	-34.92	8952.966	8187.123	5876.447	4091.203	4702.833	12.4	20.5	22	22.5	22.5	51235	16199.40	12820.08	10843.32	11221.11
CPC14-3	10-04 21:00	2.78	-35.23	8952.656	8187.721	5876.415	4091.119	4702.92	12.4	20.5	22	22.5	22.5	51234	16200.00	12820.04	10843.23	11221.20
CPC14-3	10-04 22:00	2.78	-35.78	8953.11	8186.763	5876.479	4091.195	4702.6	12.4	20.5	22	22.5	22.5	51235	16199.04	12820.11	10843.31	11220.88
CPC14-3	10-04 23:00	2.78	-36.28	8953.063	8187.663	5876.168	4091.119	4702.409	12.4	20.5	22	22.5	22.5	51235	16199.94	12819.80	10843.23	11220.69
CPC14-3	10-05 00:00	2.77	-36.15	8953.581	8187.316	5876.092	4091.188	4702.513	12.4	20.5	22	22.5	22.5	51236	16199.59	12819.72	10843.30	11220.79
CPC14-3	10-05 01:00	2.78	-36.34	8953.631	8187.151	5876.383	4091.263	4702.841	12.4	20.5	22	22.5	22.5	51236	16199.43	12820.01	10843.38	11221.12
CPC14-3	10-05 02:00	2.78	-36.72	8952.673	8187.438	5875.921	4091.279	4702.876	12.4	20.5	22	22.5	22.5	51235	16199.71	12819.55	10843.39	11221.16
CPC14-3	10-05 03:00	2.77	-36.6	8953.549	8187.151	5876.49	4091.514	4702.401	12.4	20.5	22	22.5	22.5	51236	16199.43	12820.12	10843.63	11220.68
CPC14-3	10-05 04:00	2.78	-36.34	8952.705	8187.632	5876.318	4091.62	4702.747	12.4	20.5	22	22.5	22.5	51235	16199.91	12819.95	10843.73	11221.03
CPC14-3	10-05 05:00	2.78	-36.66	8952.866	8187.168	5876.2	4091.029	4703.049	12.4	20.5	22	22.5	22.5	51235	16199.44	12819.83	10843.14	11221.33
CPC14-3	10-05 06:00	2.77	-36.79	8953.015	8187.123	5876.12												

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	10-08 03:00	2.77	-36.91	8952.9	8187.213	5876.898	4091.567	4703.603	12.4	20.5	22	22.5	22.5	51238	16199.49	12820.53	10843.68	11221.88
CPC14-3	10-08 04:00	2.77	-36.91	8952.444	8187.843	5877.006	4091.667	4703.655	12.4	20.5	22	22.5	22.5	51238	16200.12	12820.63	10843.78	11221.94
CPC14-3	10-08 05:00	2.76	-36.85	8953.177	8187.602	5876.49	4091.574	4703.032	12.4	20.5	22	22.5	22.5	51238	16199.88	12820.12	10843.69	11221.31
CPC14-3	10-08 06:00	2.77	-37.04	8952.673	8187.376	5876.962	4091.484	4703.474	12.4	20.5	22	22.5	22.5	51238	16199.65	12820.59	10843.60	11221.75
CPC14-3	10-08 07:00	2.77	-36.91	8952.803	8187.376	5877.049	4091.931	4703.759	12.4	20.5	22	22.5	22.5	51238	16199.65	12820.68	10844.04	11222.04
CPC14-3	10-08 08:00	2.77	-36.28	8953.177	8187.316	5876.715	4091.953	4703.49	12.4	20.5	22	22.5	22.5	51238	16199.59	12820.34	10844.07	11221.77
CPC14-3	10-08 09:00	2.78	-28.72	8953.468	8186.763	5876.727	4092.03	4703.69	12.4	20.5	22	22.5	22.5	51239	16199.04	12820.36	10844.14	11221.97
CPC14-3	10-08 10:00	2.79	-29.42	8952.966	8187.062	5877.113	4091.855	4703.663	12.4	20.5	22	22.5	22.5	51238	16199.34	12820.74	10843.97	11221.94
CPC14-3	10-08 11:00	2.79	-28.52	8952.494	8187.196	5877.155	4091.658	4703.775	12.4	20.5	22	22.5	22.5	51238	16199.47	12820.78	10843.77	11222.06
CPC14-3	10-08 12:00	2.8	-27.07	8953.208	8187.888	5876.877	4091.894	4703.733	12.4	20.5	22	22.5	22.5	51239	16200.16	12820.51	10844.01	11222.01
CPC14-3	10-08 13:00	2.8	-26.28	8952.656	8187.376	5876.855	4092.061	4703.706	12.4	20.5	22	22.5	22.5	51238	16199.65	12820.48	10844.17	11221.99
CPC14-3	10-08 14:00	2.8	-26.55	8953.354	8187.602	5876.877	4091.863	4703.568	12.4	20.5	22	22.5	22.5	51239	16199.88	12820.51	10843.98	11221.85
CPC14-3	10-08 15:00	2.79	-28.32	8952.933	8187.557	5876.704	4091.855	4703.482	12.4	20.5	22	22.5	22.5	51239	16199.83	12820.33	10843.97	11221.76
CPC14-3	10-08 16:00	2.8	-26.88	8952.852	8187.466	5876.866	4092.129	4703.508	12.4	20.5	22	22.5	22.5	51238	16199.74	12820.49	10844.24	11221.79
CPC14-3	10-08 17:00	2.8	-28.08	8952.9	8187.663	5877.091	4091.757	4703.742	12.4	20.5	22	22.5	22.5	51239	16199.94	12820.72	10843.87	11222.02
CPC14-3	10-08 18:00	2.8	-30.15	8953.126	8187.542	5876.781	4091.923	4703.749	12.4	20.5	22	22.5	22.5	51239	16199.82	12820.41	10844.04	11222.03
CPC14-3	10-08 19:00	2.79	-31.7	8953.063	8187.349	5876.994	4091.931	4703.663	12.4	20.5	22	22.5	22.5	51239	16199.63	12820.62	10844.04	11221.94
CPC14-3	10-08 20:00	2.79	-32.64	8953.729	8187.512	5876.898	4091.923	4704.13	12.4	20.5	22	22.5	22.5	51240	16199.79	12820.53	10844.04	11222.41
CPC14-3	10-08 21:00	2.78	-34.15	8953.028	8187.871	5876.801	4091.916	4703.914	12.4	20.5	22	22.5	22.5	51239	16200.15	12820.43	10844.03	11222.19
CPC14-3	10-08 22:00	2.78	-34.8	8953.598	8187.376	5877.188	4092.076	4704.242	12.4	20.5	22	22.5	22.5	51239	16199.65	12820.82	10844.19	11222.52
CPC14-3	10-08 23:00	2.77	-35.04	8952.852	8187.241	5877.199	4092.105	4703.958	12.4	20.5	22	22.5	22.5	51239	16199.52	12820.83	10844.22	11222.24
CPC14-3	10-09 00:00	2.78	-35.11	8952.542	8187.483	5876.727	4091.953	4703.516	12.4	20.5	22	22.5	22.5	51239	16199.76	12820.36	10844.07	11221.80
CPC14-3	10-09 01:00	2.78	-35.17	8953.581	8187.975	5876.909	4092.272	4703.923	12.4	20.5	22	22.5	22.5	51240	16200.25	12820.54	10844.38	11222.20
CPC14-3	10-09 02:00	2.77	-35.66	8953.028	8188.065	5876.866	4091.779	4703.836	12.4	20.5	22	22.5	22.5	51239	16200.34	12820.49	10843.89	11222.12
CPC14-3	10-09 03:00	2.78	-35.84	8952.624	8187.663	5876.845	4091.726	4703.775	12.4	20.5	22	22.5	22.5	51239	16199.94	12820.47	10843.84	11222.06
CPC14-3	10-09 04:00	2.78	-36.28	8952.607	8187.406	5877.296	4091.939	4703.68	12.4	20.5	22	22.5	22.5	51239	16199.68	12820.92	10844.05	11221.96
CPC14-3	10-09 05:00	2.77	-36.72	8953.225	8187.394	5876.898	4091.953	4703.827	12.4	20.5	22	22.5	22.5	51239	16199.67	12820.53	10844.07	11222.11
CPC14-3	10-09 06:00	2.77	-36.72	8952.218	8187.843	5876.759	4091.733	4703.792	12.4	20.5	22	22.5	22.5	51238	16200.12	12820.39	10843.85	11222.07
CPC14-3	10-09 07:00	2.77	-37.04	8952.527	8187.811	5876.845	4092.105	4704.061	12.4	20.5	22	22.5	22.5	51239	16200.09	12820.47	10844.22	11222.34
CPC14-3	10-09 08:00	2.76	-37.17	8952.542	8187.917	5876.801	4092.143	4703.879	12.4	20.5	22	22.5	22.5	51239	16200.19	12820.43	10844.26	11222.16
CPC14-3	10-09 09:00	2.77	-30.25	8952.512	8187.632	5876.866	4092.121	4704.347	12.4	20.5	22	22.5	22.5	51239	16199.91	12820.49	10844.23	11222.63
CPC14-3	10-09 10:00	2.79	-27.12	8953.095	8188.051	5876.984	4092.204	4704.234	12.4	20.5	22	22.5	22.5	51239	16200.33	12820.61	10844.32	11222.51
CPC14-3	10-09 11:00	2.8	-27.02	8952.98	8187.826	5876.845	4092.288	4704.182	12.4	20.5	22	22.5	22.5	51239	16200.10	12820.47	10844.40	11222.46
CPC14-3	10-09 12:00	2.8	-26.97	8952.914	8187.349	5877.155	4092.09	4703.784	12.4	20.5	22	22.5	22.5	51239	16199.63	12820.78	10844.20	11222.06
CPC14-3	10-09 13:00	2.8	-26.6	8952.98	8187.557	5876.855.												

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	10-12 10:00	2.78	-26.65	8953.028	8187.691	5877.887	4093.365	4704.373	12.4	20.5	22	22.5	22.5	51242	16199.97	12821.52	10845.48	11222.65
CPC14-3	10-12 11:00	2.79	-25.73	8952.885	8187.512	5877.542	4093.221	4704.641	12.4	20.5	22	22.5	22.5	51242	16199.79	12821.17	10845.33	11222.92
CPC14-3	10-12 12:00	2.8	-25.42	8953.047	8187.557	5877.585	4093.084	4704.304	12.4	20.5	22	22.5	22.5	51243	16199.83	12821.21	10845.20	11222.58
CPC14-3	10-12 13:00	2.8	-24.67	8953.19	8187.93	5878.025	4093.252	4704.32	12.4	20.5	22	22.5	22.5	51243	16200.21	12821.65	10845.36	11222.60
CPC14-3	10-12 14:00	2.81	-23.73	8952.722	8187.767	5877.779	4093.123	4704.354	12.4	20.5	22	22.5	22.5	51242	16200.04	12821.41	10845.24	11222.63
CPC14-3	10-12 15:00	2.81	-23.07	8953.126	8187.767	5877.553	4093.365	4704.607	12.4	20.5	22	22.5	22.5	51243	16200.04	12821.18	10845.48	11222.89
CPC14-3	10-12 16:00	2.81	-22.74	8953.16	8187.871	5877.542	4093.198	4704.32	12.4	20.5	22	22.5	22.5	51243	16200.15	12821.17	10845.31	11222.60
CPC14-3	10-12 17:00	2.8	-23.86	8953.598	8187.782	5877.381	4093.107	4704.329	12.4	20.5	22	22.5	22.5	51243	16200.06	12821.01	10845.22	11222.61
CPC14-3	10-12 18:00	2.8	-27.93	8953.305	8187.663	5877.327	4093.016	4704.46	12.4	20.5	22	22.5	22.5	51243	16199.94	12820.96	10845.13	11222.74
CPC14-3	10-12 19:00	2.79	-31.92	8953.256	8187.737	5877.499	4093.092	4704.52	12.4	20.5	22	22.5	22.5	51243	16200.01	12821.13	10845.20	11222.80
CPC14-3	10-12 20:00	2.78	-33.97	8952.819	8187.663	5877.113	4093.13	4704.381	12.4	20.5	22	22.5	22.5	51243	16199.94	12820.74	10845.24	11222.66
CPC14-3	10-12 21:00	2.77	-35.11	8953.19	8187.798	5877.499	4093.092	4704.684	12.4	20.5	22	22.5	22.5	51243	16200.07	12821.13	10845.20	11222.96
CPC14-3	10-12 22:00	2.77	-35.66	8952.688	8187.394	5877.446	4092.979	4704.597	12.4	20.5	22	22.5	22.5	51243	16199.67	12821.07	10845.09	11222.88
CPC14-3	10-12 23:00	2.77	-35.47	8952.527	8187.452	5877.585	4093.038	4704.744	12.4	20.5	22	22.5	22.5	51242	16199.73	12821.21	10845.15	11223.02
CPC14-3	10-13 00:00	2.77	-35.17	8953.079	8187.258	5877.585	4093.016	4704.693	12.4	20.5	22	22.5	22.5	51243	16199.53	12821.21	10845.13	11222.97
CPC14-3	10-13 01:00	2.77	-35.04	8953.483	8187.646	5877.585	4093.069	4704.614	12.4	20.5	22	22.5	22.5	51243	16199.92	12821.21	10845.18	11222.89
CPC14-3	10-13 02:00	2.78	-34.86	8953.389	8187.302	5877.134	4092.819	4704.416	12.4	20.5	22	22.5	22.5	51243	16199.58	12820.76	10844.93	11222.70
CPC14-3	10-13 03:00	2.77	-35.11	8953.208	8187.826	5877.038	4092.872	4704.329	12.4	20.5	22	22.5	22.5	51243	16200.10	12820.67	10844.98	11222.61
CPC14-3	10-13 04:00	2.77	-35.41	8952.771	8187.586	5877.435	4092.909	4704.433	12.4	20.5	22	22.5	22.5	51243	16199.86	12821.06	10845.02	11222.71
CPC14-3	10-13 05:00	2.77	-35.72	8953.646	8187.798	5877.392	4092.909	4704.407	12.4	20.5	22	22.5	22.5	51244	16200.07	12821.02	10845.02	11222.69
CPC14-3	10-13 06:00	2.77	-35.66	8953.015	8187.962	5877.575	4092.985	4704.545	12.4	20.5	22	22.5	22.5	51243	16200.24	12821.20	10845.10	11222.83
CPC14-3	10-13 07:00	2.77	-35.66	8952.996	8187.843	5877.317	4092.979	4704.46	12.4	20.5	22	22.5	22.5	51243	16200.12	12820.95	10845.09	11222.74
CPC14-3	10-13 08:00	2.77	-35.41	8953.16	8187.632	5877.703	4093.115	4704.848	12.4	20.5	22	22.5	22.5	51243	16199.91	12821.33	10845.23	11223.13
CPC14-3	10-13 09:00	2.78	-28.52	8952.914	8187.618	5877.521	4093.365	4704.545	12.4	20.5	22	22.5	22.5	51243	16199.89	12821.15	10845.48	11222.83
CPC14-3	10-13 10:00	2.79	-25.87	8953.322	8187.888	5877.887	4093.29	4704.926	12.4	20.5	22	22.5	22.5	51244	16200.16	12821.52	10845.40	11223.21
CPC14-3	10-13 11:00	2.8	-25.2	8953.11	8187.618	5878.079	4093.516	4704.857	12.4	20.5	22	22.5	22.5	51244	16199.89	12821.71	10845.63	11223.14
CPC14-3	10-13 12:00	2.8	-24.28	8952.933	8187.349	5877.864	4093.616	4704.45	12.4	20.5	22	22.5	22.5	51243	16199.63	12821.49	10845.73	11222.73
CPC14-3	10-13 13:00	2.8	-23.69	8953.435	8187.332	5878.133	4093.487	4704.684	12.4	20.5	22	22.5	22.5	51244	16199.61	12821.76	10845.60	11222.96
CPC14-3	10-13 14:00	2.8	-22.9	8953.404	8187.586	5877.671	4093.16	4704.676	12.4	20.5	22	22.5	22.5	51244	16199.86	12821.30	10845.27	11222.96
CPC14-3	10-13 15:00	2.8	-22.22	8952.996	8187.975	5877.715	4093.509	4704.969	12.4	20.5	22	22.5	22.5	51244	16200.25	12821.34	10845.62	11223.25
CPC14-3	10-13 16:00	2.8	-22.22	8953.225	8187.632	5877.553	4093.297	4704.866	12.4	20.5	22	22.5	22.5	51244	16199.91	12821.18	10845.41	11223.15
CPC14-3	10-13 17:00	2.8	-23.31	8953.208	8187.691	5877.811	4093.214	4704.632	12.4	20.5	22	22.5	22.5	51244	16199.97	12821.44	10845.33	11222.91
CPC14-3	10-13 18:00	2.79	-27.59	8953.256	8187.752	5878.145	4093.038	4704.589	12.4	20.5	22	22.5	22.5	51244	16200.03	12821.77	10845.15	11222.87
CPC14-3	10-13 19:00	2.8	-31.05	8953.274	8187.573	5877.907	4093.191	4704.641	12.4	20.5	22	22.5	22.5	51244	16199.85	12821.54	10845.30	11222.92
CPC14-3	10-13 20:00	2.78	-32.64	8953.322	8187.871	5877.887												

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	10-16 17:00	2.8	-26.79	8953.29	8187.975	5878.917	4094.299	4705.973	12.4	20.5	22	22.5	22.5	51247	16200.25	12822.55	10846.41	11224.25
CPC14-3	10-16 18:00	2.79	-30.46	8953.16	8188.142	5878.982	4094.132	4705.731	12.4	20.5	22	22.5	22.5	51247	16200.42	12822.61	10846.24	11224.01
CPC14-3	10-16 19:00	2.79	-32.25	8953.225	8188.352	5878.53	4094.269	4705.817	12.4	20.5	22	22.5	22.5	51247	16200.63	12822.16	10846.38	11224.10
CPC14-3	10-16 20:00	2.78	-32.93	8952.996	8187.573	5879.251	4094.322	4706.042	12.4	20.5	22	22.5	22.5	51247	16199.85	12822.88	10846.43	11224.32
CPC14-3	10-16 21:00	2.78	-34.09	8952.3	8188.516	5879.12	4094.344	4706.12	12.4	20.5	22	22.5	22.5	51246	16200.79	12822.75	10846.46	11224.40
CPC14-3	10-16 22:00	2.77	-34.98	8953.256	8188.321	5879.035	4094.276	4705.982	12.4	20.5	22	22.5	22.5	51247	16200.60	12822.66	10846.39	11224.26
CPC14-3	10-16 23:00	2.77	-35.41	8952.996	8188.142	5879.292	4094.55	4706.258	12.4	20.5	22	22.5	22.5	51247	16200.42	12822.92	10846.66	11224.54
CPC14-3	10-17 00:00	2.77	-35.59	8952.559	8187.798	5879.185	4094.512	4706.25	12.4	20.5	22	22.5	22.5	51247	16200.07	12822.81	10846.62	11224.53
CPC14-3	10-17 01:00	2.76	-35.59	8953.19	8187.646	5879.196	4094.595	4706.137	12.4	20.5	22	22.5	22.5	51247	16199.92	12822.82	10846.71	11224.42
CPC14-3	10-17 02:00	2.77	-35.47	8952.866	8187.721	5879.003	4094.565	4705.965	12.4	20.5	22	22.5	22.5	51247	16200.00	12822.63	10846.68	11224.25
CPC14-3	10-17 03:00	2.77	-35.72	8953.015	8188.11	5879.315	4094.405	4706.285	12.4	20.5	22	22.5	22.5	51247	16200.39	12822.94	10846.52	11224.57
CPC14-3	10-17 04:00	2.77	-35.97	8953.126	8188.127	5879.217	4094.42	4705.938	12.4	20.5	22	22.5	22.5	51247	16200.40	12822.85	10846.53	11224.22
CPC14-3	10-17 05:00	2.77	-36.09	8952.803	8188.021	5879.154	4094.215	4706.31	12.4	20.5	22	22.5	22.5	51247	16200.30	12822.78	10846.33	11224.59
CPC14-3	10-17 06:00	2.77	-36.15	8953.322	8188.231	5879.09	4094.465	4706.05	12.4	20.5	22	22.5	22.5	51248	16200.51	12822.72	10846.58	11224.33
CPC14-3	10-17 07:00	2.77	-35.66	8953.063	8188.006	5878.745	4094.322	4705.991	12.4	20.5	22	22.5	22.5	51247	16200.28	12822.37	10846.43	11224.27
CPC14-3	10-17 08:00	2.77	-35.78	8953.404	8187.991	5879.013	4094.291	4705.714	12.4	20.5	22	22.5	22.5	51248	16200.27	12822.64	10846.40	11223.99
CPC14-3	10-17 09:00	2.78	-29.02	8953.808	8188.261	5878.573	4094.473	4706.112	12.4	20.5	22	22.5	22.5	51248	16200.54	12822.20	10846.59	11224.39
CPC14-3	10-17 10:00	2.79	-26.32	8953.19	8187.721	5879.035	4094.573	4706.233	12.4	20.5	22	22.5	22.5	51248	16200.00	12822.66	10846.69	11224.51
CPC14-3	10-17 11:00	2.79	-25.96	8953.29	8187.767	5879.368	4094.557	4705.747	12.4	20.5	22	22.5	22.5	51248	16200.04	12823.00	10846.67	11224.03
CPC14-3	10-17 12:00	2.8	-25.87	8953.11	8187.917	5878.959	4094.603	4706.267	12.4	20.5	22	22.5	22.5	51248	16200.19	12822.59	10846.72	11224.55
CPC14-3	10-17 13:00	2.8	-25.6	8953.079	8188.681	5879.175	4094.573	4706.527	12.4	20.5	22	22.5	22.5	51248	16200.96	12822.80	10846.69	11224.81
CPC14-3	10-17 14:00	2.8	-25.2	8953.418	8187.466	5879.099	4094.565	4706.656	12.4	20.5	22	22.5	22.5	51248	16199.74	12822.73	10846.68	11224.94
CPC14-3	10-17 15:00	2.8	-23.98	8952.966	8187.512	5879.304	4094.717	4706.527	12.4	20.5	22	22.5	22.5	51248	16199.79	12822.93	10846.83	11224.81
CPC14-3	10-17 16:00	2.8	-24.98	8953.354	8188.261	5879.315	4094.853	4706.319	12.4	20.5	22	22.5	22.5	51248	16200.54	12822.94	10846.97	11224.60
CPC14-3	10-17 17:00	2.79	-28.42	8953.842	8187.632	5879.251	4094.595	4706.112	12.4	20.5	22	22.5	22.5	51249	16199.91	12822.88	10846.71	11224.39
CPC14-3	10-17 18:00	2.79	-31.64	8953.678	8188.412	5878.982	4094.542	4706.285	12.4	20.5	22	22.5	22.5	51248	16200.69	12822.61	10846.65	11224.57
CPC14-3	10-17 19:00	2.78	-33.33	8953.339	8188.155	5878.777	4094.389	4706.223	12.4	20.5	22	22.5	22.5	51248	16200.43	12822.41	10846.50	11224.50
CPC14-3	10-17 20:00	2.78	-33.79	8953.532	8188.216	5879.304	4094.868	4706.198	12.4	20.5	22	22.5	22.5	51248	16200.49	12822.93	10846.98	11224.48
CPC14-3	10-17 21:00	2.77	-34.21	8953.5	8188.201	5879.078	4094.542	4705.938	12.4	20.5	22	22.5	22.5	51248	16200.48	12822.71	10846.65	11224.22
CPC14-3	10-17 22:00	2.77	-34.56	8953.177	8187.721	5879.185	4094.717	4706.415	12.4	20.5	22	22.5	22.5	51248	16200.00	12822.81	10846.83	11224.70
CPC14-3	10-17 23:00	2.77	-34.68	8952.852	8188.171	5879.389	4094.693	4706.423	12.4	20.5	22	22.5	22.5	51248	16200.45	12823.02	10846.81	11224.70
CPC14-3	10-18 00:00	2.77	-34.8	8952.752	8188.757	5879.099	4094.929	4706.258	12.4	20.5	22	22.5	22.5	51248	16201.03	12822.73	10847.04	11224.54
CPC14-3	10-18 01:00	2.77	-34.86	8952.642	8188.352	5879.337	4094.914	4706.596	12.4	20.5	22	22.5	22.5	51248	16200.63	12822.97	10847.03	11224.88
CPC14-3	10-18 02:00	2.77	-35.04	8952.752	8188.637	5879.723	4094.808	4706.864	12.4	20.5	22	22.5	22.5	51248	16200.91	12823.35	10846.92	11225.14
CPC14-3	10-18 03:00	2.77	-35.17	8953.256	8187.782	5879.196	4											

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	10-21 00:00	2.76	-36.85	8953.922	8187.871	5879.917	4095.491	4707.237	12.4	20.5	22	22.5	22.5	51252	16200.15	12823.55	10847.60	11225.52
CPC14-3	10-21 01:00	2.76	-37.3	8952.771	8188.352	5880.562	4095.499	4707.289	12.4	20.5	22	22.5	22.5	51251	16200.63	12824.19	10847.61	11225.57
CPC14-3	10-21 02:00	2.76	-37.3	8953.274	8188.651	5880.346	4095.719	4707.09	12.4	20.5	22	22.5	22.5	51251	16200.93	12823.97	10847.83	11225.37
CPC14-3	10-21 03:00	2.76	-37.23	8952.949	8188.637	5880.668	4095.544	4707.428	12.4	20.5	22	22.5	22.5	51251	16200.91	12824.30	10847.66	11225.71
CPC14-3	10-21 04:00	2.76	-37.3	8952.624	8188.501	5880.033	4095.4	4707.289	12.4	20.5	22	22.5	22.5	51251	16200.78	12823.66	10847.51	11225.57
CPC14-3	10-21 05:00	2.76	-37.3	8952.479	8188.487	5880.282	4095.833	4707.557	12.4	20.5	22	22.5	22.5	51251	16200.76	12823.91	10847.95	11225.84
CPC14-3	10-21 06:00	2.76	-37.36	8952.949	8188.321	5880.517	4095.37	4707.496	12.4	20.5	22	22.5	22.5	51251	16200.60	12824.15	10847.48	11225.78
CPC14-3	10-21 07:00	2.76	-37.36	8952.949	8188.021	5880.496	4095.84	4707.557	12.4	20.5	22	22.5	22.5	51251	16200.30	12824.12	10847.95	11225.84
CPC14-3	10-21 08:00	2.76	-37.04	8953.404	8188.187	5880.572	4095.621	4707.644	12.4	20.5	22	22.5	22.5	51252	16200.46	12824.20	10847.73	11225.92
CPC14-3	10-21 09:00	2.76	-36.53	8953.079	8188.307	5880.776	4095.697	4707.315	12.4	20.5	22	22.5	22.5	51251	16200.58	12824.40	10847.81	11225.60
CPC14-3	10-21 10:00	2.76	-36.22	8952.866	8188.412	5880.776	4095.666	4707.384	12.4	20.5	22	22.5	22.5	51251	16200.69	12824.40	10847.78	11225.66
CPC14-3	10-21 11:00	2.77	-35.9	8953.126	8188.56	5880.581	4095.597	4707.496	12.4	20.5	22	22.5	22.5	51252	16200.84	12824.21	10847.71	11225.78
CPC14-3	10-21 12:00	2.77	-35.59	8952.996	8188.142	5880.517	4095.756	4707.428	12.4	20.5	22	22.5	22.5	51251	16200.42	12824.15	10847.87	11225.71
CPC14-3	10-21 13:00	2.77	-35.72	8952.933	8188.187	5880.314	4095.894	4707.021	12.4	20.5	22	22.5	22.5	51251	16200.46	12823.94	10848.01	11225.30
CPC14-3	10-21 14:00	2.76	-36.03	8954.001	8188.096	5880.915	4095.962	4707.521	12.4	20.5	22	22.5	22.5	51253	16200.37	12824.54	10848.07	11225.80
CPC14-3	10-21 15:00	2.76	-36.41	8953.177	8188.187	5880.044	4095.582	4707.428	12.4	20.5	22	22.5	22.5	51252	16200.46	12823.67	10847.69	11225.73
CPC14-3	10-21 16:00	2.76	-37.36	8953.095	8188.47	5880.033	4095.644	4707.592	12.4	20.5	22	22.5	22.5	51252	16200.75	12823.66	10847.76	11225.87
CPC14-3	10-21 17:00	2.76	-37.89	8953.19	8188.695	5880.078	4096.068	4707.401	12.4	20.5	22	22.5	22.5	51252	16200.97	12823.71	10848.18	11225.68
CPC14-3	10-21 18:00	2.76	-38.42	8953.761	8188.801	5880.292	4095.939	4707.652	12.4	20.5	22	22.5	22.5	51252	16201.08	12823.92	10848.05	11225.93
CPC14-3	10-21 19:00	2.75	-38.68	8953.239	8188.276	5880.292	4096.129	4707.764	12.4	20.5	22	22.5	22.5	51252	16200.55	12823.92	10848.24	11226.04
CPC14-3	10-21 20:00	2.75	-38.68	8952.365	8188.441	5880.883	4096.152	4707.54	12.4	20.5	22	22.5	22.5	51251	16200.72	12824.51	10848.26	11225.82
CPC14-3	10-21 21:00	2.76	-38.68	8953.339	8188.725	5880.324	4096.16	4707.445	12.4	20.5	22	22.5	22.5	51252	16201.00	12823.95	10848.27	11225.73
CPC14-3	10-21 22:00	2.75	-38.55	8952.949	8188.457	5880.496	4096.046	4707.506	12.4	20.5	22	22.5	22.5	51252	16200.73	12824.12	10848.16	11225.79
CPC14-3	10-21 23:00	2.75	-38.68	8953.322	8188.604	5880.668	4096.25	4707.739	12.4	20.5	22	22.5	22.5	51252	16200.88	12824.30	10848.36	11226.02
CPC14-3	10-22 00:00	2.75	-38.95	8953.532	8188.096	5880.701	4095.947	4707.463	12.4	20.5	22	22.5	22.5	51252	16200.37	12824.33	10848.06	11225.74
CPC14-3	10-22 01:00	2.75	-38.82	8952.786	8188.487	5880.217	4096.015	4707.375	12.4	20.5	22	22.5	22.5	51252	16200.76	12823.85	10848.13	11225.66
CPC14-3	10-22 02:00	2.75	-38.55	8953.256	8188.307	5880.463	4096.152	4707.635	12.4	20.5	22	22.5	22.5	51252	16200.58	12824.09	10848.26	11225.92
CPC14-3	10-22 03:00	2.75	-38.68	8952.933	8188.546	5880.937	4095.917	4707.463	12.4	20.5	22	22.5	22.5	51252	16200.82	12824.57	10848.03	11225.74
CPC14-3	10-22 04:00	2.75	-38.55	8953.598	8188.47	5880.4	4096.274	4707.341	12.4	20.5	22	22.5	22.5	51253	16200.75	12824.03	10848.39	11225.62
CPC14-3	10-22 05:00	2.75	-38.55	8953.404	8188.846	5880.753	4096.205	4707.506	12.4	20.5	22	22.5	22.5	51253	16201.12	12824.38	10848.32	11225.79
CPC14-3	10-22 06:00	2.75	-38.62	8954.264	8187.888	5880.647	4096.121	4707.609	12.4	20.5	22	22.5	22.5	51253	16200.16	12824.28	10848.23	11225.89
CPC14-3	10-22 07:00	2.75	-38.62	8953.761	8188.201	5880.829	4096.145	4707.644	12.4	20.5	22	22.5	22.5	51253	16200.48	12824.46	10848.26	11225.92
CPC14-3	10-22 08:00	2.75	-38.35	8953.354	8187.586	5880.808	4096.433	4707.886	12.4	20.5	22	22.5	22.5	51253	16199.86	12824.44	10848.55	11226.17
CPC14-3	10-22 09:00	2.76	-37.17	8953.126	8187.962	5880.647	4096.061	4707.592	12.4	20.5	22	22.5	22.5	51252	16200.24	12824.28	10848.17	11225.87
CPC14-3	10-22 10:00	2.76	-36.6	8953.322	8188.142	5880												

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	10-25 07:00	2.74	-39.16	8953.19	8187.721	5881.023	4096.563	4708.475	12.4	20.5	22	22.5	22.5	51255	16200.00	12824.65	10848.68	11226.76
CPC14-3	10-25 08:00	2.75	-37.69	8953.369	8188.846	5881.002	4097.361	4708.396	12.4	20.5	22	22.5	22.5	51256	16201.12	12824.63	10849.47	11226.68
CPC14-3	10-25 09:00	2.75	-34.86	8953.369	8188.412	5881.119	4096.943	4708.657	12.4	20.5	22	22.5	22.5	51256	16200.69	12824.75	10849.06	11226.94
CPC14-3	10-25 10:00	2.76	-30.83	8953.126	8188.546	5881.13	4097.178	4708.666	12.4	20.5	22	22.5	22.5	51256	16200.82	12824.76	10849.29	11226.95
CPC14-3	10-25 11:00	2.77	-29.32	8953.404	8188.335	5881.066	4097.299	4708.466	12.4	20.5	22	22.5	22.5	51256	16200.61	12824.69	10849.41	11226.75
CPC14-3	10-25 12:00	2.78	-28.77	8953.532	8188.651	5881.002	4097.178	4708.059	12.4	20.5	22	22.5	22.5	51256	16200.93	12824.63	10849.29	11226.34
CPC14-3	10-25 13:00	2.77	-28.67	8953.339	8188.725	5880.894	4096.95	4708.613	12.4	20.5	22	22.5	22.5	51256	16201.00	12824.52	10849.06	11226.89
CPC14-3	10-25 14:00	2.78	-28.03	8953.452	8188.604	5880.744	4096.996	4708.613	12.4	20.5	22	22.5	22.5	51256	16200.88	12824.37	10849.11	11226.89
CPC14-3	10-25 15:00	2.77	-27.69	8953.079	8188.815	5880.905	4096.798	4708.527	12.4	20.5	22	22.5	22.5	51256	16201.09	12824.53	10848.91	11226.81
CPC14-3	10-25 16:00	2.78	-28.47	8953.256	8188.171	5880.979	4096.95	4708.475	12.4	20.5	22	22.5	22.5	51256	16200.45	12824.61	10849.06	11226.76
CPC14-3	10-25 17:00	2.78	-31.42	8953.339	8188.457	5880.562	4096.973	4708.466	12.4	20.5	22	22.5	22.5	51256	16200.73	12824.19	10849.09	11226.75
CPC14-3	10-25 18:00	2.77	-34.8	8953.5	8188.051	5880.861	4097.216	4708.484	12.4	20.5	22	22.5	22.5	51256	16200.33	12824.49	10849.33	11226.76
CPC14-3	10-25 19:00	2.76	-36.15	8953.389	8188.307	5880.958	4096.836	4708.613	12.4	20.5	22	22.5	22.5	51256	16200.58	12824.59	10848.95	11226.89
CPC14-3	10-25 20:00	2.75	-36.66	8953.256	8188.56	5881.549	4097.208	4708.648	12.4	20.5	22	22.5	22.5	51256	16200.84	12825.18	10849.32	11226.93
CPC14-3	10-25 21:00	2.75	-36.72	8953.452	8188.276	5881.142	4097.414	4708.805	12.4	20.5	22	22.5	22.5	51256	16200.55	12824.77	10849.53	11227.09
CPC14-3	10-25 22:00	2.75	-36.85	8953.354	8188.412	5881.195	4097.299	4708.718	12.4	20.5	22	22.5	22.5	51256	16200.69	12824.82	10849.41	11227.00
CPC14-3	10-25 23:00	2.75	-37.23	8953.404	8189.041	5881.356	4097.55	4708.519	12.4	20.5	22	22.5	22.5	51256	16201.32	12824.98	10849.66	11226.80
CPC14-3	10-26 00:00	2.75	-37.17	8952.996	8188.651	5881.087	4097.018	4708.7	12.4	20.5	22	22.5	22.5	51256	16200.93	12824.72	10849.13	11226.98
CPC14-3	10-26 01:00	2.75	-37.11	8953.532	8188.725	5881.205	4097.224	4708.787	12.4	20.5	22	22.5	22.5	51257	16201.00	12824.83	10849.34	11227.07
CPC14-3	10-26 02:00	2.75	-36.79	8953.808	8188.291	5881.011	4097.102	4708.778	12.4	20.5	22	22.5	22.5	51257	16200.57	12824.64	10849.21	11227.06
CPC14-3	10-26 03:00	2.75	-36.72	8953.369	8188.127	5881.184	4097.116	4708.562	12.4	20.5	22	22.5	22.5	51256	16200.40	12824.81	10849.23	11226.84
CPC14-3	10-26 04:00	2.75	-36.79	8953.468	8188.171	5881.237	4097.124	4708.163	12.4	20.5	22	22.5	22.5	51257	16200.45	12824.87	10849.24	11226.44
CPC14-3	10-26 05:00	2.75	-37.23	8953.404	8188.95	5881.237	4096.935	4708.509	12.4	20.5	22	22.5	22.5	51257	16201.23	12824.87	10849.05	11226.79
CPC14-3	10-26 06:00	2.75	-37.89	8953.305	8187.991	5881.25	4097.155	4708.752	12.4	20.5	22	22.5	22.5	51257	16200.27	12824.88	10849.27	11227.03
CPC14-3	10-26 07:00	2.75	-38.22	8953.19	8188.785	5881.205	4097.291	4708.613	12.4	20.5	22	22.5	22.5	51256	16201.06	12824.83	10849.40	11226.89
CPC14-3	10-26 08:00	2.75	-37.49	8953.274	8188.38	5881.421	4097.467	4708.682	12.4	20.5	22	22.5	22.5	51257	16200.66	12825.05	10849.58	11226.96
CPC14-3	10-26 09:00	2.76	-36.41	8953.015	8188.604	5881.657	4097.436	4708.787	12.4	20.5	22	22.5	22.5	51256	16200.88	12825.29	10849.55	11227.07
CPC14-3	10-26 10:00	2.77	-33.21	8953.19	8188.187	5881.345	4097.314	4708.562	12.4	20.5	22	22.5	22.5	51257	16200.46	12824.97	10849.43	11226.84
CPC14-3	10-26 11:00	2.78	-32.87	8953.339	8188.56	5881.561	4097.573	4708.769	12.4	20.5	22	22.5	22.5	51257	16200.84	12825.19	10849.69	11227.05
CPC14-3	10-26 12:00	2.76	-31.7	8953.239	8188.457	5881.517	4097.611	4709.125	12.4	20.5	22	22.5	22.5	51257	16200.73	12825.15	10849.72	11227.41
CPC14-3	10-26 13:00	2.77	-33.97	8953.256	8188.592	5881.593	4097.291	4708.899	12.4	20.5	22	22.5	22.5	51257	16200.87	12825.22	10849.40	11227.18
CPC14-3	10-26 14:00	2.76	-34.15	8952.98	8188.187	5881.464	4097.52	4708.675	12.4	20.5	22	22.5	22.5	51257	16200.46	12825.09	10849.63	11226.96
CPC14-3	10-26 15:00	2.76	-34.5	8953.305	8188.532	5881.335	4097.368	4709.021	12.4	20.5	22	22.5	22.5	51257	16200.81	12824.96	10849.48	11227.30
CPC14-3	10-26 16:00	2.76	-34.62	8953.581	8188.86	5881.313	4097.505	4709.046	12.4	20.5	22	22.5	22.5	51257	16201.14	12824.94	10849.62	11227.33
CPC14-3	10-26 17:00	2.76	-35.47	8953.369	8188.666	5881.42												

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	10-29 14:00	2.76	-31.42	8953.711	8188.501	5882.292	4098.661	4709.887	12.4	20.5	22	22.5	22.5	51260	16200.78	12825.92	10850.77	11228.17
CPC14-3	10-29 15:00	2.77	-32.08	8952.914	8188.831	5882.463	4098.759	4709.826	12.4	20.5	22	22.5	22.5	51259	16201.11	12826.09	10850.87	11228.11
CPC14-3	10-29 16:00	2.76	-34.15	8953.563	8189.071	5881.84	4098.6	4710.034	12.4	20.5	22	22.5	22.5	51260	16201.35	12825.47	10850.71	11228.31
CPC14-3	10-29 17:00	2.76	-34.09	8953.468	8188.876	5882.066	4098.836	4710.26	12.4	20.5	22	22.5	22.5	51260	16201.15	12825.69	10850.95	11228.54
CPC14-3	10-29 18:00	2.76	-37.04	8953.339	8188.695	5882.55	4098.782	4710.381	12.4	20.5	22	22.5	22.5	51260	16200.97	12826.18	10850.89	11228.66
CPC14-3	10-29 19:00	2.74	-38.28	8953.225	8189.056	5882.419	4098.751	4709.905	12.4	20.5	22	22.5	22.5	51260	16201.33	12826.05	10850.86	11228.19
CPC14-3	10-29 20:00	2.74	-38.55	8953.389	8189.461	5882.205	4098.698	4710.139	12.4	20.5	22	22.5	22.5	51260	16201.74	12825.83	10850.81	11228.42
CPC14-3	10-29 21:00	2.74	-38.95	8953.19	8188.426	5882.388	4098.797	4710.104	12.4	20.5	22	22.5	22.5	51260	16200.70	12826.02	10850.91	11228.38
CPC14-3	10-29 22:00	2.73	-39.09	8953.369	8188.891	5882.882	4098.729	4710.347	12.4	20.5	22	22.5	22.5	51260	16201.17	12826.51	10850.84	11228.63
CPC14-3	10-29 23:00	2.73	-38.95	8953.468	8189.19	5883.172	4098.918	4710.164	12.4	20.5	22	22.5	22.5	51260	16201.47	12826.80	10851.03	11228.44
CPC14-3	10-30 00:00	2.73	-38.95	8953.322	8189.731	5883.323	4098.979	4710.511	12.4	20.5	22	22.5	22.5	51260	16202.01	12826.95	10851.09	11228.79
CPC14-3	10-30 01:00	2.73	-38.95	8953.581	8189.477	5883.109	4099.109	4710.303	12.4	20.5	22	22.5	22.5	51261	16201.75	12826.74	10851.22	11228.58
CPC14-3	10-30 02:00	2.74	-39.29	8953.19	8188.982	5883.206	4099.032	4710.399	12.4	20.5	22	22.5	22.5	51260	16201.26	12826.83	10851.14	11228.68
CPC14-3	10-30 03:00	2.73	-39.57	8953.239	8188.965	5883.42	4098.911	4710.39	12.4	20.5	22	22.5	22.5	51260	16201.24	12827.05	10851.02	11228.67
CPC14-3	10-30 04:00	2.74	-39.36	8953.678	8188.965	5882.872	4099.14	4710.476	12.4	20.5	22	22.5	22.5	51261	16201.24	12826.50	10851.25	11228.76
CPC14-3	10-30 05:00	2.74	-39.36	8953.614	8188.801	5882.828	4099.071	4710.26	12.4	20.5	22	22.5	22.5	51261	16201.08	12826.46	10851.18	11228.54
CPC14-3	10-30 06:00	2.73	-39.5	8953.532	8188.74	5882.872	4098.714	4710.545	12.4	20.5	22	22.5	22.5	51261	16201.02	12826.50	10850.83	11228.83
CPC14-3	10-30 07:00	2.74	-39.43	8953.305	8189.175	5883.13	4098.828	4710.121	12.4	20.5	22	22.5	22.5	51261	16201.45	12826.76	10850.94	11228.40
CPC14-3	10-30 08:00	2.74	-39.5	8953.274	8189.371	5882.828	4098.667	4710.381	12.4	20.5	22	22.5	22.5	51261	16201.65	12826.46	10850.78	11228.66
CPC14-3	10-30 09:00	2.72	-38.89	8953.468	8189.13	5882.99	4098.881	4710.061	12.4	20.5	22	22.5	22.5	51261	16201.41	12826.62	10850.99	11228.34
CPC14-3	10-30 10:00	2.74	-38.02	8953.239	8189.251	5882.979	4098.782	4710.321	12.4	20.5	22	22.5	22.5	51261	16201.53	12826.61	10850.89	11228.60
CPC14-3	10-30 11:00	2.74	-36.72	8953.389	8189.251	5882.603	4098.904	4710.519	12.4	20.5	22	22.5	22.5	51261	16201.53	12826.23	10851.02	11228.80
CPC14-3	10-30 12:00	2.74	-35.04	8953.354	8188.965	5882.914	4099.018	4710.181	12.4	20.5	22	22.5	22.5	51261	16201.24	12826.54	10851.13	11228.46
CPC14-3	10-30 13:00	2.76	-34.86	8953.711	8188.831	5883.086	4098.973	4710.407	12.4	20.5	22	22.5	22.5	51261	16201.11	12826.71	10851.09	11228.69
CPC14-3	10-30 14:00	2.75	-34.21	8953.693	8188.757	5882.55	4099.063	4710.303	12.4	20.5	22	22.5	22.5	51261	16201.03	12826.18	10851.18	11228.58
CPC14-3	10-30 15:00	2.77	-33.5	8953.761	8188.771	5882.753	4099.201	4710.164	12.4	20.5	22	22.5	22.5	51261	16201.05	12826.38	10851.31	11228.44
CPC14-3	10-30 16:00	2.75	-34.92	8953.322	8189.146	5882.442	4099.063	4710.554	12.4	20.5	22	22.5	22.5	51261	16201.42	12826.07	10851.18	11228.83
CPC14-3	10-30 17:00	2.75	-37.82	8953.404	8189.296	5882.817	4098.85	4710.511	12.4	20.5	22	22.5	22.5	51261	16201.57	12826.45	10850.96	11228.79
CPC14-3	10-30 18:00	2.74	-39.84	8953.549	8188.532	5882.904	4099.071	4710.198	12.4	20.5	22	22.5	22.5	51261	16200.81	12826.53	10851.18	11228.48
CPC14-3	10-30 19:00	2.73	-99	8952.933	8188.996	5883.109	4099.254	4710.181	12.4	20.5	22	22.5	22.5	51261	16201.27	12826.74	10851.37	11228.46
CPC14-3	10-30 20:00	2.73	-99	8953.29	8189.325	5882.958	4098.858	4710.727	12.4	20.5	22	22.5	22.5	51261	16201.60	12826.59	10850.97	11229.01
CPC14-3	10-30 21:00	2.73	-99	8952.9	8189.281	5883.366	4098.745	4710.399	12.4	20.5	22	22.5	22.5	51261	16201.56	12826.99	10850.86	11228.68
CPC14-3	10-30 22:00	2.71	-99	8953.563	8188.905	5883.066	4099.185	4710.616	12.4	20.5	22	22.5	22.5	51261	16201.18	12826.69	10851.30	11228.90
CPC14-3	10-30 23:00	2.71	-99	8953.614	8189.221	5883.043	4099.215	4710.857	12.4	20.5	22	22.5	22.5	51262	16201.50	12826.67	10851.33	11229.14
CPC14-3	10-31 00:00	2.72	-99	8953.015	8188.965	5883.452	4099.299	4710.616	12.4	20.5	22	22.5	22.5	51261	16201.24	12827.08	10851.41	11228.90
CPC14-3	10-31 01:00	2.71	-99	8953.322	8189.251	5883.291	4099.399	4710.719	12.4	20.5	22	22.5	22.5	51261	16201.53	12826.92	10851.51	11229.00
CPC14-3	10-31 02:00	2.71	-99	8952.98	8189.251	5883.356	4099.619	4710.944	12.4	20.5	22	22.5	22.5	51261	16201.53	12826.98	10851.73	11229.22
CPC14-3	10-31 03:00	2.72	-99	8952.835	8189.506	5883.022	4099.375	4710.529	12.4	20.5	22	22.5	22.5	51261	16201.78	12826.65	10851.49	11228.81
CPC14-3	10-31 04:00	2.72	-99	8952.722	8189.19	5883.323	4099.162	4710.407	12.4	20.5	22	22.5	22.5	51261	16201.47	12826.95	10851.27	11228.69
CPC14-3	10-31 05:00	2.72	-99	8953.079	8189.281	5883.366	4099.36	4710.797	12.4	20.5	22	22.5	22.5	51261	16201.56	12826.99	10851.47	11229.08
CPC14-3	10-31 06:00	2.72	-99	8953.563	8189.026	5883.452	4099.292	4710.329	12.4	20.5	22	22.5	22.5	51262	16201.30	12827.08	10851.40	11228.61
CPC14-3	10-31 07:00	2.72	-99	8952.885	8189.251	5883.022	4099.147	4710.598	12.4	20.5	22	22.5	22.5	51261	16201.53	12826.65	10851.26	11228.88
CPC14-3	10-31 08:00	2.72	-99	8952.98	8188.965	5883.473	4099.109	4710.545	12.4	20.5	22	22.5	22.5	51261	16201.24	12827.10	10851.22	11228.83
CPC14-3	10-31 09:00	2.73	-36.72	8953.354	8188.965	5883.441	4099.14	4710.416	12.4	20.5	22	22.5	22.5	51262	16201.24	12827.07	10851.25	11228.70
CPC14-3	10-31 10:00	2.74	-32.48	8953.339	8189.266	5882.741	4099.177	4710.321	12.4	20.5	22	22.5	22.5	51262	16201.54	12826.37	10851.29	11228.60
CPC14-3	10-31 11:00	2.77	-31.53	8953.305	8189.461	5882.914	4099.23	4710.616	12.4	20.5	22	22.5	22.5	51262	16201.74	12826.54	10851.34	11228.90
CPC14-3	10-31 12:00	2.77	-31.1	8953.079	8189.01	5882.41	4099.276	4710.494	12.4	20.5	22	22.5	22.5	51262	16201.29	12826.04	10851.39	11228.77
CPC14-3	10-31 13:00	2.77	-30.89	8953.404	8189.52	5882.668	4099.475	4710.936	12.4	20.5	22	22.5	22.5	51262	16201.80	12826.30	10851.59	11229.22
CPC14-3	10-31 14:00	2.77	-30.35	8953.256	8189.235	5882.388	4099.634	4710.641	12.4	20.5	22	22.5	22.5	51262	16201.51	12826.02	10851.75	11228.92
CPC14-3	10-31 15:00	2.77	-29.99	8952.738	8189.731	5883.043	4099.17	4710.771	12.4	20.5	22	22.5	22.5	51261	16202.01	12826.67	10851.28	11229.05
CPC14-3	10-31 16:00	2.77	-29.99	8953.404	8188.938	5882.937	4099.444	4710.685	12.4	20.5	22	22.5	22.5	51262	16201.21	12826.57	10851.56	11228.97
CPC14-3	10-31 17:00	2.75	-32.42	8952.996	8188.965	5882.7	4099.49	4710.554	12.4	20.5	22	22.5	22.5	51262	16201.24	12826.33	10851.60	11228.83
CPC14-3	10-31 18:00	2.76	-35.35	8953.063	8188.95	5882.506	4099.626	4710.78	12.4	20.5	22	22.5	22.5	51262	16201.23	12826.13	10851.74	11229.06
CPC14-3	10-31 19:00	2.75	-36.98	8953.19	8188.637	5882.796	4099.436	4710.519	12.4	20.5	22	22.5	22.5	51262	16200.91	12826.42	10851.55	11228.80
CPC14-3	10-31 20:00	2.74	-37.89	8953.791	8189.162	5882.753	4099.497	4710.71	12.4	20.5	22	22.5	22.5	5126				

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	11-02 21:00	2.75	-35.41	8953.339	8188.982	5883.42	4100.327	4711.577	12.4	20.5	22	22.5	22.5	51264	16201.26	12827.05	10852.44	11229.86
CPC14-3	11-02 22:00	2.74	-36.34	8952.835	8189.52	5883.066	4100.334	4711.689	12.4	20.5	22	22.5	22.5	51264	16201.80	12826.69	10852.45	11229.97
CPC14-3	11-02 23:00	2.74	-36.41	8953.598	8188.996	5883.57	4100.547	4711.838	12.4	20.5	22	22.5	22.5	51265	16201.27	12827.20	10852.66	11230.12
CPC14-3	11-03 00:00	2.74	-36.85	8953.581	8189.117	5883.537	4100.295	4711.621	12.4	20.5	22	22.5	22.5	51265	16201.39	12827.17	10852.41	11229.90
CPC14-3	11-03 01:00	2.74	-37.36	8953.354	8189.342	5883.27	4100.41	4711.604	12.4	20.5	22	22.5	22.5	51264	16201.62	12826.90	10852.52	11229.88
CPC14-3	11-03 02:00	2.74	-37.04	8953.369	8189.415	5883.935	4100.197	4711.925	12.4	20.5	22	22.5	22.5	51264	16201.69	12827.56	10852.31	11230.21
CPC14-3	11-03 03:00	2.74	-37.23	8953.225	8189.686	5883.904	4100.41	4711.881	12.4	20.5	22	22.5	22.5	51264	16201.96	12827.53	10852.52	11230.16
CPC14-3	11-03 04:00	2.74	-37.69	8953.711	8189.19	5883.85	4100.47	4711.82	12.4	20.5	22	22.5	22.5	51265	16201.47	12827.48	10852.58	11230.10
CPC14-3	11-03 05:00	2.74	-38.15	8953.143	8189.342	5883.786	4100.281	4711.672	12.4	20.5	22	22.5	22.5	51264	16201.62	12827.41	10852.39	11229.95
CPC14-3	11-03 06:00	2.73	-37.89	8953.339	8189.387	5883.689	4100.211	4711.786	12.4	20.5	22	22.5	22.5	51265	16201.66	12827.32	10852.32	11230.07
CPC14-3	11-03 07:00	2.74	-37.82	8952.722	8189.55	5883.947	4100.219	4712.028	12.4	20.5	22	22.5	22.5	51264	16201.83	12827.58	10852.33	11230.31
CPC14-3	11-03 08:00	2.74	-37.56	8953.225	8189.671	5883.636	4100.714	4711.724	12.4	20.5	22	22.5	22.5	51265	16201.95	12827.26	10852.83	11230.00
CPC14-3	11-03 09:00	2.73	-34.62	8953.808	8189.76	5883.464	4100.152	4711.838	12.4	20.5	22	22.5	22.5	51265	16202.04	12827.09	10852.26	11230.12
CPC14-3	11-03 10:00	2.75	-32.36	8953.404	8189.175	5883.893	4100.501	4711.968	12.4	20.5	22	22.5	22.5	51265	16201.45	12827.52	10852.61	11230.25
CPC14-3	11-03 11:00	2.75	-31.48	8953.873	8189.715	5883.958	4100.555	4711.802	12.4	20.5	22	22.5	22.5	51265	16201.99	12827.59	10852.67	11230.08
CPC14-3	11-03 12:00	2.76	-31.1	8953.842	8189.401	5883.71	4100.531	4711.707	12.4	20.5	22	22.5	22.5	51265	16201.68	12827.34	10852.64	11229.99
CPC14-3	11-03 13:00	2.77	-30.99	8953.662	8189.296	5884.129	4100.501	4712.114	12.4	20.5	22	22.5	22.5	51265	16201.57	12827.76	10852.61	11230.39
CPC14-3	11-03 14:00	2.77	-30.46	8953.761	8189.506	5883.935	4100.547	4711.776	12.4	20.5	22	22.5	22.5	51265	16201.78	12827.56	10852.66	11230.06
CPC14-3	11-03 15:00	2.76	-29.94	8952.722	8189.387	5884.022	4100.531	4711.525	12.4	20.5	22	22.5	22.5	51264	16201.66	12827.65	10852.64	11229.81
CPC14-3	11-03 16:00	2.77	-29.52	8953.339	8189.506	5884.011	4100.608	4711.689	12.4	20.5	22	22.5	22.5	51265	16201.78	12827.64	10852.72	11229.97
CPC14-3	11-03 17:00	2.76	-31.42	8953.761	8188.95	5883.721	4100.7	4711.838	12.4	20.5	22	22.5	22.5	51265	16201.23	12827.35	10852.81	11230.12
CPC14-3	11-03 18:00	2.76	-34.44	8953.177	8189.387	5884.076	4100.555	4712.054	12.4	20.5	22	22.5	22.5	51265	16201.66	12827.70	10852.67	11230.33
CPC14-3	11-03 19:00	2.75	-35.66	8953.483	8189.775	5883.904	4100.684	4711.542	12.4	20.5	22	22.5	22.5	51265	16202.05	12827.53	10852.80	11229.82
CPC14-3	11-03 20:00	2.75	-35.9	8952.933	8189.55	5883.839	4100.653	4712.019	12.4	20.5	22	22.5	22.5	51265	16201.83	12827.47	10852.77	11230.30
CPC14-3	11-03 21:00	2.74	-36.28	8953.256	8190.104	5883.914	4100.615	4711.776	12.4	20.5	22	22.5	22.5	51265	16202.38	12827.54	10852.73	11230.06
CPC14-3	11-03 22:00	2.74	-36.85	8953.29	8189.117	5883.795	4100.806	4711.898	12.4	20.5	22	22.5	22.5	51265	16201.39	12827.42	10852.92	11230.18
CPC14-3	11-03 23:00	2.74	-37.36	8953.5	8189.266	5884.055	4100.706	4712.054	12.4	20.5	22	22.5	22.5	51265	16201.54	12827.68	10852.82	11230.33
CPC14-3	11-04 00:00	2.74	-37.04	8953.873	8189.387	5883.882	4101.049	4711.907	12.4	20.5	22	22.5	22.5	51266	16201.66	12827.51	10853.16	11230.19
CPC14-3	11-04 01:00	2.74	-37.56	8953.305	8189.477	5884.055	4101.019	4711.95	12.4	20.5	22	22.5	22.5	51265	16201.75	12827.68	10853.13	11230.23
CPC14-3	11-04 02:00	2.74	-37.69	8953.483	8189.865	5884.538	4100.783	4711.958	12.4	20.5	22	22.5	22.5	51266	16202.14	12828.17	10852.90	11230.24
CPC14-3	11-04 03:00	2.74	-38.08	8952.949	8189.506	5884.345	4100.896	4711.845	12.4	20.5	22	22.5	22.5	51265	16201.78	12827.97	10853.01	11230.13
CPC14-3	11-04 04:00	2.74	-38.42	8953.646	8189.715	5884.14	4100.622	4712.089	12.4	20.5	22	22.5	22.5	51266	16201.99	12827.77	10852.73	11230.37
CPC14-3	11-04 05:00	2.73	-38.42	8953.404	8189.879	5884.193	4100.836	4711.776	12.4	20.5	22	22.5	22.5	51266	16202.16	12827.82	10852.95	11230.06
CPC14-3	11-04 06:00	2.72	-38.75	8953.614	8189.49	5884.28	4100.928	4712.219	12.4	20.5	22	22.5	22.5	51266	16201.77	12827.91	10853.04	11230.50

Bore Hole	LOGGER DATA			SENSOR READINGS (hertz)					SENSOR TEMPERATURES (°C)					GROUNDWATER ELEVATION CALCULATIONS				
	Day 2015	Batt V	Temp C	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5	Piezo1	Piezo2	Piezo3	Piezo4	Piezo5
CPC14-3	11-07 04:00	2.69	-99	8954.069	8189.94	5886.282	4102.031	4713.303	12.4	20.5	22	22.5	22.5	51269	16202.22	12829.91	10854.14	11231.58
CPC14-3	11-07 05:00	2.68	-99	8953.339	8190.014	5886.347	4102.07	4713.607	12.4	20.5	22	22.5	22.5	51269	16202.29	12829.98	10854.18	11231.89
CPC14-3	11-07 06:00	2.68	-99	8953.063	8190.437	5885.894	4102.115	4713.65	12.4	20.5	22	22.5	22.5	51268	16202.71	12829.52	10854.23	11231.93
CPC14-3	11-07 07:00	2.67	-99	8953.614	8190.404	5885.819	4102.198	4713.666	12.4	20.5	22	22.5	22.5	51269	16202.68	12829.45	10854.31	11231.95
CPC14-3	11-07 08:00	2.68	-99	8953.11	8189.221	5886.368	4102.145	4713.676	12.4	20.5	22	22.5	22.5	51268	16201.50	12830.00	10854.26	11231.96
CPC14-3	11-07 09:00	2.69	-99	8953.483	8189.76	5886.282	4102.229	4713.537	12.4	20.5	22	22.5	22.5	51269	16202.04	12829.91	10854.34	11231.82
CPC14-3	11-07 10:00	2.72	-34.8	8953.598	8189.715	5886.185	4102.358	4714.084	12.4	20.5	22	22.5	22.5	51269	16201.99	12829.81	10854.47	11232.36
CPC14-3	11-07 11:00	2.74	-33.1	8953.404	8190.54	5885.723	4102.633	4713.589	12.4	20.5	22	22.5	22.5	51269	16202.82	12829.35	10854.75	11231.87
CPC14-3	11-07 12:00	2.75	-32.64	8953.614	8190.195	5885.678	4102.587	4713.954	12.4	20.5	22	22.5	22.5	51269	16202.47	12829.31	10854.70	11232.23
CPC14-3	11-07 13:00	2.76	-32.59	8952.933	8189.924	5885.808	4102.442	4713.564	12.4	20.5	22	22.5	22.5	51268	16202.20	12829.44	10854.55	11231.84
CPC14-3	11-07 14:00	2.76	-32.25	8954.085	8189.611	5885.958	4102.702	4713.91	12.4	20.5	22	22.5	22.5	51270	16201.89	12829.59	10854.81	11232.19
CPC14-3	11-07 15:00	2.76	-31.42	8953.729	8189.985	5886.324	4102.511	4713.849	12.4	20.5	22	22.5	22.5	51269	16202.26	12829.95	10854.62	11232.13
CPC14-3	11-07 16:00	2.75	-31.59	8953.614	8189.851	5885.56	4102.678	4713.736	12.4	20.5	22	22.5	22.5	51269	16202.13	12829.19	10854.79	11232.02
CPC14-3	11-07 17:00	2.76	-33.44	8953.143	8189.911	5885.454	4102.876	4713.971	12.4	20.5	22	22.5	22.5	51269	16202.19	12829.08	10854.99	11232.25
CPC14-3	11-07 18:00	2.74	-38.68	8953.404	8189.64	5886.034	4102.648	4713.607	12.4	20.5	22	22.5	22.5	51269	16201.92	12829.66	10854.76	11231.89
CPC14-3	11-07 19:00	2.72	-99	8953.842	8190.271	5886.432	4102.458	4714.006	12.4	20.5	22	22.5	22.5	51270	16202.55	12830.06	10854.57	11232.29
CPC14-3	11-07 20:00	2.71	-99	8952.996	8190.315	5886.066	4102.549	4713.84	12.4	20.5	22	22.5	22.5	51269	16202.59	12829.69	10854.66	11232.12
CPC14-3	11-07 21:00	2.71	-99	8953.095	8189.94	5886.347	4102.717	4713.884	12.4	20.5	22	22.5	22.5	51269	16202.22	12829.98	10854.83	11232.16
CPC14-3	11-07 22:00	2.71	-99	8953.322	8189.415	5886.766	4102.823	4714.049	12.4	20.5	22	22.5	22.5	51269	16201.69	12830.39	10854.94	11232.33
CPC14-3	11-07 23:00	2.72	-39.91	8953.646	8190.166	5886.185	4102.83	4714.161	12.4	20.5	22	22.5	22.5	51270	16202.44	12829.81	10854.94	11232.44
CPC14-3	11-08 00:00	2.72	-39.77	8953.418	8190.375	5886.388	4102.876	4714.074	12.4	20.5	22	22.5	22.5	51269	16202.65	12830.02	10854.99	11232.35
CPC14-3	11-08 01:00	2.72	-39.77	8953.256	8190.301	5886.388	4102.655	4714.084	12.4	20.5	22	22.5	22.5	51269	16202.58	12830.02	10854.77	11232.36
CPC14-3	11-08 02:00	2.72	-39.36	8953.418	8190.091	5886.217	4102.58	4713.719	12.4	20.5	22	22.5	22.5	51269	16202.37	12829.85	10854.69	11232.00
CPC14-3	11-08 03:00	2.72	-39.57	8953.598	8190.226	5886.443	4102.655	4714.031	12.4	20.5	22	22.5	22.5	51270	16202.50	12830.07	10854.77	11232.31
CPC14-3	11-08 04:00	2.72	-39.36	8953.16	8190	5886.669	4102.884	4714.118	12.4	20.5	22	22.5	22.5	51269	16202.28	12830.30	10855.00	11232.40
CPC14-3	11-08 05:00	2.71	-39.16	8953.322	8190.271	5886.185	4102.823	4714.144	12.4	20.5	22	22.5	22.5	51269	16202.55	12829.81	10854.94	11232.42
CPC14-3	11-08 06:00	2.74	-38.89	8953.581	8190.166	5886.432	4102.648	4714.136	12.4	20.5	22	22.5	22.5	51270	16202.44	12830.06	10854.76	11232.42
CPC14-3	11-08 07:00	2.71	-38.89	8953.549	8190.391	5886.324	4102.808	4714.466	12.4	20.5	22	22.5	22.5	51270	16202.67	12829.95	10854.92	11232.75
CPC14-3	11-08 08:00	2.74	-38.62	8953.857	8190.136	5886.432	4103.051	4714.326	12.4	20.5	22	22.5	22.5	51270	16202.41	12830.06	10855.16	11232.61
CPC14-3	11-08 09:00	2.73	-34.62	8953.404	8189.595	5886.422	4103.066	4714.552	12.4	20.5	22	22.5	22.5	51270	16201.87	12830.05	10855.18	11232.83
CPC14-3	11-08 10:00	2.74	-29.83	8953.274	8189.686	5885.851	4103.174	4714.196	12.4	20.5	22	22.5	22.5	51270	16201.96	12829.48	10855.29	11232.48
CPC14-3	11-08 11:00	2.76	-28.22	8952.771	8190.181	5885.636	4103.189	4714.379	12.4	20.5	22	22.5	22.5	51269	16202.46	12829.26	10855.30	11232.66
CPC14-3	11-08 12:00	2.76	-28.42	8953.598	8189.747	5886.217	4103.136	4714.526	12.4	20.5	22	22.5	22.5	51270	16202.02	12829.85	10855.25	11232.81
CPC14-3	11-08 13:00	2.76	-28.52	8953.532	8189.55	5886.282	4103.097	4714.266	12.4	20.5	22	22.5	22.5	51270	16201.83	12829.91	10855.21	11232.55
CPC14-3	11-08 14:00	2.76	-28.57	8953.825	8189.82	5886.098	4103.128	4714.622	12.4	20.5	22	22.5	22.5	51270	16202.10	12829.73	10855.24	11232.90
CPC14-3	11-08 15:00	2.77	-28.27	8953.435	8189.806	5885.861	4102.945	4713.945	12.4	20.5	22	22.5	22.5	51270	16202.08	12829.49	10855.06	11232.23
CPC14-3	11-08 16:00	2.76	-28.62	8953.208	8189.611	5886.185	4103.174	4714.63	12.4	20.5	22	22.5	22.5	51270	16201.89	12829.81	10855.29	11232.91
CPC14-3	11-08 17:00	2.77	-30.89	8953.5	8190.509	5886.388	4103.12	4714.518	12.4	20.5	22	22.5	22.5	51270	16202.79	12830.02	10855.23	11232.80
CPC14-3	11-08 18:00	2.75	-35.41	8953.256	8190.226	5886.185	4103.272	4714.448	12.4	20.5	22	22.5	22.5	51270	16202.50	12829.81	10855.38	11232.73
CPC14-3	11-08 19:00	2.74	-37.49	8953.5	8190.15	5887.057	4102.938	4714.422	12.4	20.5	22	22.5	22.5	51270	16202.43	12830.69	10855.05	11232.70
CPC14-3	11-08 20:00	2.74	-38.42	8953.743	8190.06	5887.035	4103.044	4714.518	12.4	20.5	22	22.5	22.5	51271	16202.34	12830.66	10855.16	11232.80
CPC14-3	11-08 21:00	2.71	-38.89	8953.063	8190.181	5886.959	4103.357	4714.812	12.4	20.5	22	22.5	22.5	51270	16202.46	12830.59	10855.47	11233.09
CPC14-3	11-08 22:00	2.72	-39.7	8953.369	8190.301	5886.906	4103.144	4715.048	12.4	20.5	22	22.5	22.5	51270	16202.58	12830.53	10855.26	11233.33
CPC14-3	11-08 23:00	2.72	-39.7	8953.369	8190.301	5887.186	4103.211	4714.665	12.4	20.5	22	22.5	22.5	51270	16202.58	12830.81	10855.32	11232.95
CPC14-3	11-09 00:00	2.71	-99	8953.581	8190.346	5887.078	4103.333	4714.587	12.4	20.5	22	22.5	22.5	51271	16202.62	12830.71	10855.45	11232.87
CPC14-3	11-09 01:00	2.71	-39.84	8953.581	8189.566	5886.917	4103.158	4714.604	12.4	20.5	22	22.5	22.5	51271	16201.84	12830.55	10855.27	11232.88
CPC14-3	11-09 02:00	2.71	-99	8953.678	8190.21	5886.745	4103.333	4714.561	12.4	20.5	22	22.5	22.5	51271	16202.49	12830.37	10855.45	11232.84
CPC14-3	11-09 03:00	2.71	-99	8952.835	8190.15	5886.971	4103.028	4714.535	12.4	20.5	22	22.5	22.5	51270	16202.43	12830.60	10855.14	11232.82
CPC14-3	11-09 04:00	2.72	-99	8952.512	8190.584	5887.045	4103.09	4714.683	12.4	20.5	22	22.5	22.5	51270	16202.86	12830.67	10855.20	11232.96
CPC14-3	11-09 05:00	2.7	-99	8952.722	8189.626	5886.076	4103.272	4714.5	12.4	20.5	22	22.5	22.5	51270	16201.90	12829.70	10855.38	11232.78
CPC14-3	11-09 06:00	2.71	-99	8952.803	8190.06	5887.099	4103.219	4714.448	12.4	20.5	22	22.5	22.5	51270	16202.34	12830.73	10855.33	11232.73
CPC14-3	11-09 07:00	2.71	-99	8953.16	8190.329	5886.906	4103.166	4714.587	12.4	20.5	22	22.5	22.5	51270	16202.61	12830.53	10855.28	11232.87
CPC14-3	11-09 08:00	2.71	-99	8952.996	8190.689	5886.917	4103.204	4714.361	12.4	20.5	22	22.5	22.5	51270	16202.97	12830.55	10855.32	11232.64
CPC14-3	11-09 09:00	2.72	-36.41	8952.771	8190.166	5886.852	4103.38	4714.673	12.4	20.5	22	22.5	22.5	51270	16202.44	12830.48	10855.49	11232.95

Attachment 2 – GHC15-1 Deep Carbonate Borehole Report



GHC15-1 - Deep Carbonate Borehole Report

Report prepared by:
Adrian Brown P.E
Adrian Brown Consultants, Inc.

Dated: April 20, 2015

TABLE OF CONTENTS

1.0 INTRODUCTION.....	3
2.0 GEOLOGY.....	4
3.0 SOLID PHASE SAMPLING AND ANALYSIS.....	5
4.0 LIQUID SAMPLING AND ANALYSIS.....	6
5.0 HYDROLOGY TESTING.....	7
6.0 PIEZOMETRIC DATA.....	8
7.0 CERTIFICATION.....	9

TABLES

Table 1: GHC15-3 - Borehole summary
Table 2: GHC15-3 - Water truck fluorescein concentration and field parameters
Table 3: GHC15-3 - Aqueous samples and field parameters
Table 4: GHC15-3 - Falling head tests
Table 5: GHC15-3 - VWP installation summary
Table 6: GHC15-3 - VWP Piezometric Results

PLATES (Extracted from Appendices)

Plate 1.1: Location
Plate 1.2: Survey
Plate 1.3: As Built
Plate 3.3: Acid Base Accounting
Plate 4.1: Water Chemistry Summary
Plate 5.1: FHT #1 - 2600'-3025' Depth
Plate 5.2: FHT #2 - 3043'-3433' Depth
Plate 5.3: FHT #3 - 3450'-3874' Depth
Plate 5.4: FHT #4 - 3454'-3874' Depth
Plate 6.1: VWP Piezometric Elevations
Plate 6.6: Water Table

APPENDICES

Appendix 1: GHC15-1 - Location Plan and Position

Appendix 1.1: GHC15-1 - Location

Appendix 1.2: GHC15-1 - Borehole Survey

Appendix 1.3: GHC15-1 - As-Built Drawing

Appendix 2: GHC15-1 - Geology

Appendix 2.1: GHC15-1 - Geology Log

Appendix 2.2: GHC15-1 - Lithology Log

Appendix 2.3: GHC15-1 - Geotechnical Log

Appendix 2.4: GHC15-1 - Core Photographs

Appendix 3: GHC15-1 - Solids Sampling

Appendix 3.1: GHC15-1 - Solids Analyses

Appendix 3.2: GHC15-1 - Laboratory Reports

Appendix 3.3: GHC15-1 - LECO Testing Results

Appendix 3.4: GHC15-1 - Chemical Database

Appendix 4: GHC15-1 - Water Chemistry

Appendix 5: GHC15-1 - Hydrology Testing

Appendix 5.1: GHC15-1 FHT#1 - 2600'-3025' Depth

Appendix 5.2: GHC15-1 FHT#2- 3043'-3433' Depth

Appendix 5.3: GHC15-1 FHT#3- 3450'-3874' Depth

Appendix 5.4: GHC15-1 FHT#4- 3454'-3874' Depth

Appendix 6: GHC15-1 - Vibrating Wire Piezometers

Appendix 6.1: GHC15-1 - Vibrating Wire Piezometers Plot

Appendix 6.2: GHC15-1 - Water Table Evaluation

Appendix 6.7: GHC15-1 – VWP Data

1.0 INTRODUCTION

The Cripple Creek and Victor Goldmine (CC&V) recently completed drilling of a deep vertical borehole for the purpose conducting hydraulic testing, collecting solid rock and aqueous water samples, and installing multiple Vibrating Wire Piezometers (VWP). The borehole was drilled and completed by Tona Tec drilling with an Atlas Copco 4000 core rig to a Total Depth (TD) of 3,875 ft bgs 6493 ft above mean sea level (amsl). The borehole is summarized in Table 1. The location and position as well as the hole survey and completion as-built are provided in Appendix 1.

Table 1: GHC15-1 - borehole summary

Borehole ID	Easting	Northing	Elevation (ft amsl)	Inclination (col)	Azimuth	MD (ft)	TD (ft amsl)
GHC15-1	37812.44	60749.45	10364.54	-90	N/A	3875.0	6489.543

2.0 GEOLOGY

Geologic logging of the borehole was completed by CC &V staff and contractors. Logs of GHC15-1 is included in Appendix 2, including, Geology log (Appendix 2.1), Lithologic (Appendix 2.2), geotechnical log (Appendix 2.3) and photographic Log (Appendix 2.4).

3.0 SOLID PHASE SAMPLING AND ANALYSIS

Representative drill core were sampled at 5-ft intervals. 5-ft samples were analyzed for LECO carbon and sulfur as well as precious metals assay. 5-ft samples were composited to generate a suite of 200-ft static and 800-ft kinetic composite samples. Static and kinetic geochemistry composites were subjected to analysis for carbon and sulfur speciation, neutralization potential, 4-acid metals by aqua regia digest, Reitveld XRD, net-acid generation (NAG) testing, and metals analysis from NAG leachates. Kinetic geochemistry composites were analysed for humidity cell testing (ongoing) and grain-size analysis. The solid phase sampling and analysis program is summarized in Appendix 3.1. Laboratory data are compiled in Appendix 3.2. LECO carbon and sulfur data are provided in Appendix 3.3. All other analytical results have been compiled in an Excel database in Appendix 3.4 (electronic distribution).

4.0 LIQUID SAMPLING AND ANALYSIS

Fluorescein dye was mixed into the drilling water truck prior to injection during drilling in order to provide a qualitative and potentially quantitative method of determining if borehole samples were predominately injected water or formation water.

Table 2: GHC15-1 - water truck fluorescein concentration and field parameters

Sample	Date	Time	Fluorescein Dye (ppb)	pH (std units)	Temperature (°C)	Conductivity (µs/cm)	ORP (mV)
Sample 1	09-Apr-15	8:55	276.3				
Sample 2	10-Apr-15	8:30	177.7				
Sample 3	10-Apr-15	13:00	181.2				
Sample 4	10-Apr-15	16:00	160.4				
Sample 5	11-Apr-15	8:00	202.6				
Sample 6	11-Apr-15	10:00	181.9				
Sample 7	12-Apr-15	9:05	172.7	6.93	3.7	0.021	15
Sample 8	12-Apr-15	13:46	183.5	6.82	10.1	0.024	187
Sample 9	12-Apr-15	20:05	177.6	7.07	11.9	0.020	167
Sample 10	13-Apr-15	8:25	199.8	6.86	4.5	0.020	150
Sample 11	13-Apr-15	12:50	167.2	6.80	9.5	0.032	171
Sample 12	13-Apr-15	17:57	164.5	6.72	7.8	0.030	157
Sample 13	15-Apr-15	8:35	186.1	6.30	3.9	0.049	118
Sample 14	16-Apr-15	13:47	177.7				
Sample 15	16-Apr-15	16:50	166.0	5.77	3.7	0.049	133
Sample 16	16-Apr-15	20:15	160.5				
Sample 17	17-Apr-15	19:45	224.6				
Sample 18	18-Apr-15	11:35	211.7				

Four borehole samples were collected, one via airlift at a drilled depth of 3433 ft bgs, April 14, 2015 and three additional samples were collected after drilling to TD, via a COLOG sampling tool. COLOG samples were collected at depths of 3025, 3450 and 3735 ft bgs on April 22, 2015. A water truck sample was also collected for comparison to determine degree of mixing between formation water and injected drilling fluid. An additional sample was collected from the portal to the Carleton tunnel on April 30, 2015. Table 3 summarizes the field parameters and samples collected. Samples were also submitted for isotope analysis. All borehole water samples are impacted by drilling fluids. Sample results are included in **Appendix 4** and compiled as part of the geochemistry database in Appendix 3.2.

Table 3: GHC15-1 - aqueous samples and field parameters

Sample	Date	Time	Fluorescein Dye (ppb)	pH (std units)	Temperature (°C)	Conductivity (µs/cm)	ORP (mV)
*Prod water 3433	14-Apr-15		20.0	7.98	22.3	1.160	22
Depth 3025	22-Apr-15	14:00	101.0	**ND	**ND	**ND	**ND
Depth 3450	22-Apr-15	16:00	106.3	**ND	**ND	**ND	**ND
Depth 3735	22-Apr-15	16:50	60.9	**ND	**ND	**ND	**ND
Water Truck	14-Apr-15	17:00	199.8	6.86	4.5	0.020	150
CT-01	30-Apr-15	10:43	NA	7.39	22.9	2536	205
CT-01 (Duplicate)	30-Apr-15	11:18	NA	7.40	22.8	2538	107

*sample airlifted **ND, Sample collected by COLOG tool, insufficient volume to take parameters

5.0 HYDROLOGY TESTING

Falling head injection tests were conducted over an interval of 2600 to 3025 ft bgs, 3043 to 3433 ft bgs, 2550 to 3874 ft bgs and 3454 to 3874 ft bgs. Test results are summarized in Table 4. Test data and analysis are included in Appendix 5.

Table 4: GHC15-1 falling head test results

Test #	Date	Interval (ft MD bgs)	Hydraulic Conductivity	
			(ft/yr)	(cm/s)
Test #1	9-Apr-15	2600 - 3025	5.7E-03	5.5E-09
Test #2	15-Apr-15	3043 - 3433	5.1E+00	4.9E-06
Test #3	19-Apr-15	2550 - 3874	9.1E+01	8.8E-05
Test #4	22-Apr-15	3454 - 3874	1.3E+02	1.3E-04

6.0 PIEZOMETRIC DATA

A multi-level VWP installation was completed in GHC15-1 on April 30, 2015. Sensor installation information is summarized in Table 5. An as-built diagram and recent data collected from the Piezometer installation is included in Appendix 6.

Table 5: GHC15-1 - VWP installation summary

VWP #	Sensor Type	Serial #	Set Depth (ft bgs)	Set Elevation (ft amsl)
Sensor #1	4500S 3Mpa	1500593	1341.2	9023.3
Sensor #2	4500S 3Mpa	1500592	2363.2	8001.3
Sensor #3	4500S 3Mpa	1500591	3368.8	6995.7
Sensor #4	4500SH 5Mpa	1500023	3597.8	6766.7
Sensor #5	4500SH 5Mpa	1500022	3779.2	6585.3

*connection lost to sensor after grouting, re-established on April 30, 2015

Table 6: CPC 14-3 - VWP Piezometric Results

VWP #	Elevation (ft amsl)	24-Apr-15 (ft amsl)	10-Jul-15 (ft amsl)	Static (ft amsl)
Sensor #1	9024	Dry	Dry	<9024
Sensor #2	8003	Dry	Dry	<8003
Sensor #3	6998	7772	7754	7753
Sensor #4	6770	7704	7688	7685
Sensor #5	6588	7744	7721	7718
VWP Array	9058-6463	7772-7704	7754-7688	7793

*connection lost to sensor after grouting, re-established on April 30, 2015

7.0 CERTIFICATION

This report has been prepared by and under the responsible charge of Adrian Brown, P.E., based on knowledge, information, and belief. The engineering services have been performed in accordance with applicable standards of practice. This certification is not a guaranty or warranty, either expressed or implied.

Signed this 7th Day of December, 2015.

Adrian Brown, P.E.

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Table 1: GHC15-3 - Borehole summary

Borehole ID	Easting	Northing	Elevation (ft amsl)	Inclination (collar)	Azimuth	MD (ft)	TD (ft amsl)
GHC15-1	37812.44	60749.45	10364.54	-90	N/A	3875.0	6489.543

Table 2: GHC15-3 - Water truck fluorescein concentration and field parameters

Sample	Date	Time	Fluorescein Dye (ppb)	pH (std units)	Temperature °C	Conductivity (µs/cm)	ORP (mV)
Sample 1	09-Apr-15	8:55	276.3				
Sample 2	10-Apr-15	8:30	177.7				
Sample 3	10-Apr-15	13:00	181.2				
Sample 4	10-Apr-15	16:00	160.4				
Sample 5	11-Apr-15	8:00	202.6				
Sample 6	11-Apr-15	10:00	181.9				
Sample 7	12-Apr-15	9:05	172.7	6.93	3.7	0.021	15
Sample 8	12-Apr-15	13:46	183.5	6.82	10.1	0.024	187
Sample 9	12-Apr-15	20:05	177.6	7.07	11.9	0.020	167
Sample 10	13-Apr-15	8:25	199.8	6.86	4.5	0.020	150
Sample 11	13-Apr-15	12:50	167.2	6.80	9.5	0.032	171
Sample 12	13-Apr-15	17:57	164.5	6.72	7.8	0.030	157
Sample 13	15-Apr-15	8:35	186.1	6.30	3.9	0.049	118
Sample 14	16-Apr-15	13:47	177.7				
Sample 15	16-Apr-15	16.:50	166.0	5.77	3.7	0.049	133
Sample 16	16-Apr-15	20:15	160.5				
Sample 17	17-Apr-15	19:45	224.6				
Sample 18	18-Apr-15	11:35	211.7				

Table 3: GHC15-3 - Aqueous samples and field parameters

Sample	Date	Time	Fluorescein Dye (ppb)	pH (std units)	Temperature °C	Conductivity (µs/cm)	ORP (mV)
*Prod water 3433	14-Apr-15		20.0	7.98	22.3	1.160	22
Depth 3025	22-Apr-15	14:00	101.0	**ND	**ND	**ND	**ND
Depth 3450	22-Apr-15	16:00	106.3	**ND	**ND	**ND	**ND
Depth 3735	22-Apr-15	16:50	60.9	**ND	**ND	**ND	**ND
Water Truck	14-Apr-15	17:00	199.8	6.86	4.5	0.020	150
CT-01	30-Apr-15	10:43	NA	7.39	22.9	2536	205
CT-01 (Duplicate)	30-Apr-15	11:18	NA	7.40	22.8	2538	107

*sample airlifted **ND, Sample collected by COLOG tool, insufficient volume to take parameters

Table 4: GHC15-3 - Falling head tests

Test #	Date	Interval (ft MD bgs)	Hydraulic Conductivity (ft/yr cm/s)	
Test #1	9-Apr-15	2600 - 3025	5.7E-03	5.5E-09
Test #2	15-Apr-15	3043 - 3433	5.1E+00	4.9E-06
Test #3	19-Apr-15	2550 - 3874	9.1E+01	8.8E-05
Test #4	22-Apr-15	3454 - 3874	1.3E+02	1.3E-04

Table 5: GHC15-3 - VWP installation summary

VWP #	Sensor Type	Serial #	Set Depth (ft bgs)	Set Elevation (ft amsl)
Sensor #1	4500S 3Mpa	1500593	1341.2	9023.3
Sensor #2	4500S 3Mpa	1500592	2363.2	8001.3
Sensor #3	4500S 3Mpa	1500591	3368.8	6995.7
Sensor #4	4500SH 5Mpa	1500023	3597.8	6766.7
Sensor #5	4500SH 5Mpa	1500022	3779.2	6585.3

*connection lost to sensor after grouting, re-established on April 30, 2015

Table 6: GHC15-3 - VWP Piezometric Results

VWP #	Elevation (ft amsl)	24-Apr-15 (ft amsl)	10-Jul-15 (ft amsl)	Static (ft amsl)
Sensor #1	9024	Dry	Dry	<9024
Sensor #2	8003	Dry	Dry	<8003
Sensor #3	6998	7772	7754	7753
Sensor #4	6770	7704	7688	7685
Sensor #5	6588	7744	7721	7718
VWP Array	9058-6463	7772-7704	7754-7688	7793

*connection lost to sensor after grouting, re-established on April 30, 2015

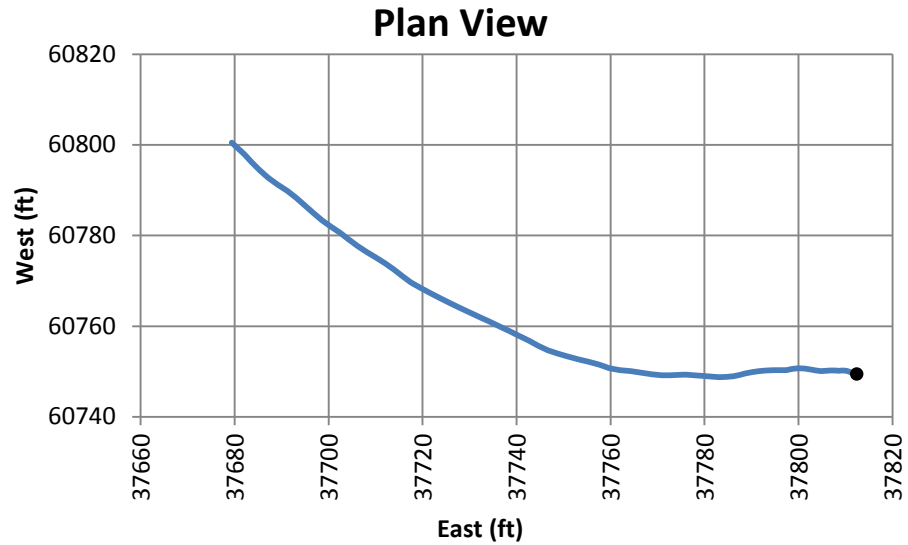
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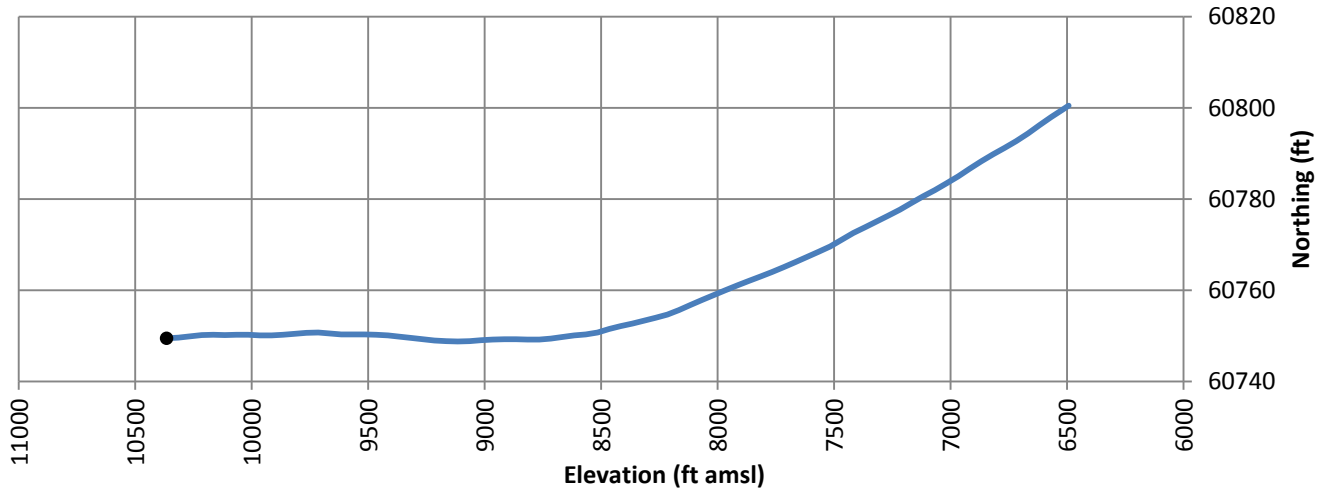
Scale: 1" = 2,000 (5,000 foot grid)
Drawn: A.Brown
Date: 2015-12-09

GHC15-1 - Deep Carbonate Borehole Report
APPENDIX 1.1
LOCATION

G:\Dropbox (ABC)\AB PROJECTS\11985 - CC&V\UG15 - Projects\2 - Phase 1\GHC15-16_Report\0_Workbooks\GHC15-1-21_ Revised Report\TOC.xls\p1.2

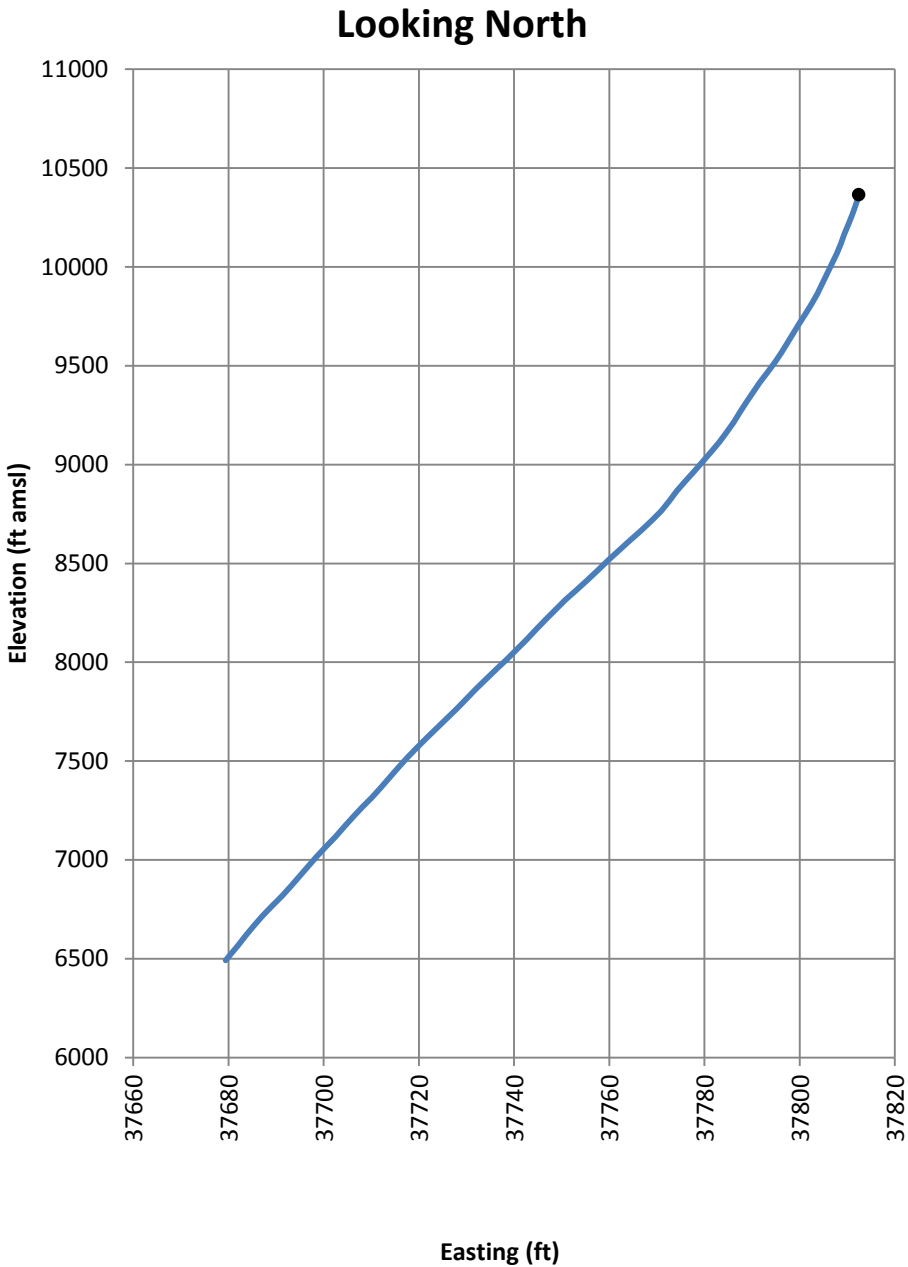


Looking West



BOREHOLE INFORMATION

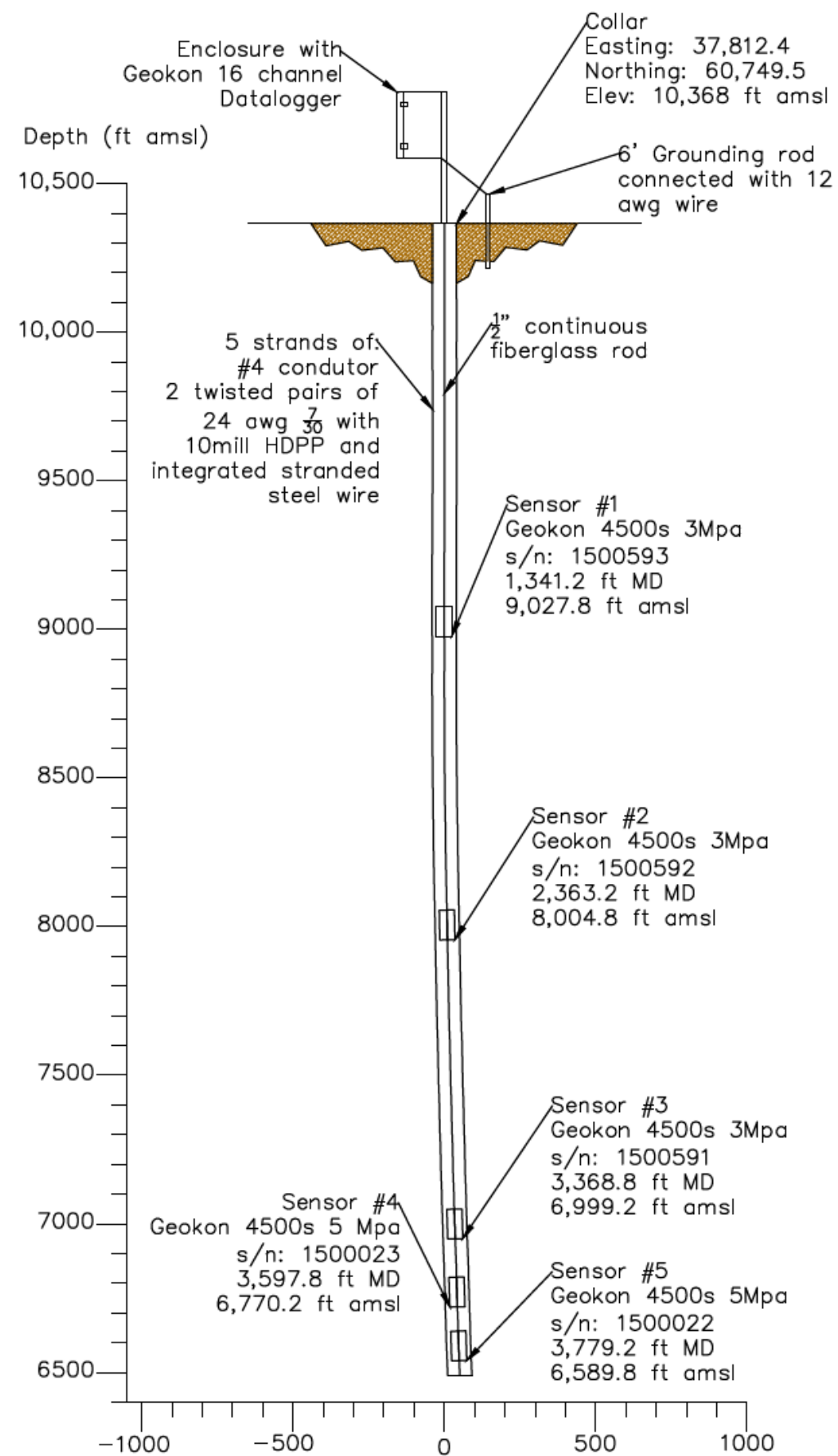
Borehole	GHC15-1
Easting (ft)	37812.4
Northing (ft)	60749.5
Elevation (ft)	10364.5
Inclination (°)	-90.0
Azimuth (° from N)	N/A
Length (ft)	3875.0
Total Depth (ft amsl)	6489.5



Scale:	As shown (5,000 ft grid on plan)
Drawn:	A.Brown
Date:	2015-12-09

GHC15-1 - Deep Carbonate Borehole Report
APPENDIX 1.2
GHC15-1 - SURVEY

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Scale: As shown
Drawn: A.Brown
Date: 2015-12-09

GHC15-1 - Deep Carbonate Borehole Report

APPENDIX 1.3

AS BUILT

Sample Groundwater Chemistry	Units	GHC15-1-3025		GHC15-1-3433		GHC15-1-3433 DUP		GHC15-1-3450		GHC15-1-3735		GHC15-1-WT	
		Value	MDL	Value	MDL	Value	MDL	Value	MDL	Value	MDL	Value	MDL
pH	s.u.	8.1	0.1	7	0.1	7	0.1	8.3	0.1	7.9	0.1	7.7	0.1
TDS (Residue, Filterable @180C)	#N/A	720	100	1200	100	1400	100	580	100	860	100	62	10
TDS (calculated)	mg/L	933		1710		1710		987		1100		47.6	
TDS (ratio - measured/calculated)	--	0.77		0.7		0.82		0.59		0.78		1.3	
Total Alkalinity	mg/L	370	3	675	3	677	3	370	3	346	3	9.7	2
Carbonate as CaCO3	mg/L	3	3	3	3	3	3	8	3	3	3	2	2
Bicarbonate as CaCO3	mg/L	370	3	675	3	677	3	362	3	346	3	9.7	2
Hydroxide as CaCO3	mg/L	3	3	3	3	3	3	3	3	3	3	2	2
Anions													
Chloride	mg/L	17.9	5	27.9	5	26.8	5	13.2	5	13	5	5.94	0.5
Fluoride	mg/L	1.66	0.5	0.85	0.5	0.86	0.5	1.69	0.5	1.6	0.5	1.91	0.05
Sulfate	mg/L	373	5	790	5	786	5	366	5	493	5	17.1	0.5
Cations													
Calcium, dissolved	mg/L	29.5	0.1	141	0.1	136	0.1	62.6	0.1	76	0.1	8.5	0.1
Potassium, dissolved	mg/L	4.2	0.2	4.4	0.2	4.4	0.2	4.3	0.2	4.3	0.2	1.4	0.2
Metals													
Aluminum, dissolved	mg/L	1.53	0.03	0.11	0.03	0.07	0.03	2.54	0.03	2.47	0.03	0.06	0.03
Antimony, dissolved	mg/L	0.0011	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0007	0.0004	0.0004	0.0004
Arsenic, dissolved	mg/L	0.0014	0.0002	0.0003	0.0002	0.0003	0.0002	0.0029	0.0002	0.0024	0.0002	0.0002	0.0002
Barium, dissolved	mg/L	0.218	0.003	0.117	0.003	0.115	0.003	0.298	0.003	0.282	0.003	0.033	0.003
Beryllium, dissolved	mg/L	0.00176	0.00005	0.00005	0.00005	0.00005	0.00005	0.00823	0.00005	0.00492	0.00005	0.00028	0.00005
Bismuth, dissolved	mg/L	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Boron, dissolved	mg/L	0.04	0.01	0.14	0.01	0.15	0.01	0.04	0.01	0.04	0.01	0.01	0.01
Cadmium, dissolved	mg/L	0.0004	0.0001	0.0001	0.0001	0.0001	0.0001	0.0005	0.0001	0.0005	0.0001	0.0001	0.0001
Chromium, dissolved	mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Cobalt, dissolved	mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Copper, dissolved	mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Gallium, dissolved	mg/L	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Iron, dissolved	mg/L	6.77	0.02	1.15	0.02	2.75	0.02	10.5	0.02	9.07	0.02	0.66	0.02
Lead, dissolved	mg/L	0.0154	0.0001	0.0068	0.0001	0.0068	0.0001	0.0224	0.0001	0.0208	0.0001	0.0006	0.0001
Lithium, dissolved	mg/L	0.018	0.008	0.062	0.008	0.064	0.008	0.027	0.008	0.025	0.008	0.008	0.008
Magnesium, dissolved	mg/L	4.7	0.2	20.6	0.2	20.3	0.2	9.8	0.2	8.5	0.2	1.6	0.2
Manganese, dissolved	mg/L	0.174	0.005	1.12	0.005	1.09	0.005	0.744	0.005	0.553	0.005	0.06	0.005
Mercury, dissolved	mg/L	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Molybdenum, dissolved	mg/L	0.21	0.02	0.12	0.02	0.13	0.02	0.07	0.02	0.12	0.02	0.02	0.02
Nickel, dissolved	mg/L	0.008	0.008	0.019	0.008	0.022	0.008	0.008	0.008	0.008	0.008	0.008	0.008
Scandium, dissolved	mg/L	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Selenium, dissolved	mg/L	0.0008	0.0001	0.0006	0.0001	0.0006	0.0001	0.0008	0.0001	0.0009	0.0001	0.0001	0.0001
Silver, dissolved	mg/L	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Sodium, dissolved	mg/L	267	0.2	312	0.2	313	0.2	288	0.2	283	0.2	4.4	0.2
Strontium, dissolved	mg/L	0.953	0.005	2.56	0.005	2.46	0.005	1.87	0.005	1.79	0.005	0.044	0.005
Thallium, dissolved	mg/L	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
Tin, dissolved	mg/L	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Titanium, dissolved	mg/L	0.022	0.005	0.005	0.005	0.005	0.005	0.013	0.005	0.032	0.005	0.005	0.005
Vanadium, dissolved	mg/L	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Zinc, dissolved	mg/L	0.12	0.01	0.01	0.01	0.01	0.01	0.12	0.01	0.07	0.01	0.05	0.01

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FALLING HEAD TEST SIMULATION ANALYSIS

TEST

The falling head test comprises the following elements:

1. Water is introduced into the well riser, creating excess head in the well relative to the test formation.
2. The excess head causes flow from the wellbore to the formation, resulting in reduction of the water level in the
3. As the water drains out, the water level in the well follows an exponential decay over time towards the static level.

ANALYSIS

The rate that water drains out of the well is controlled by well geometry, and hydraulic conductivity of the formation material.

Consider the conditions at a time t:

E_t = water elevation in the well at time t

E_{stat} = static water level in well

Head (H) driving flow from the wellbore into the formation is:

$H = E_t - E_{stat}$ (1)

Radial flow from the well to the formation is (Theim 1870):

$Q = 2 \pi L K H / \ln(R/r')$ (2)

where:

Q = volumetric flow rate

L = test interval formation length

K = hydraulic conductivity of interval

H = excess head in well relative to formation

R = radius of influence of test

r^* = radius of well bore

Using well completion length L for the radius of influence and

applying a form factor for anisotropy (Brown, 2014) gives:

$Q = 2 \alpha \pi L K H / \ln(L/r')$ (3)

where:

α = form factor = 1.12 for Kh/Kv = 0.1

α = form factor = 0.87 for Kh/Kv = 1

α = form factor = 0.61 for Kh/Kv = 10

Flow created by change of water level in the well over time is:

$Q = - \pi r^2 dH/dt$ (4)

where: r = radius of standpipe at the water surface

Equating Q in equation and equation produces:

$2 \alpha \pi L K H / \ln(L/r') = - \pi r^2 dH$ (5)

Rearranging equation produces:

$dH = - 2 \alpha L K / [r^2 \ln(L/r^*)] H dt$ (6)

Integrating over time and noting that H = Ho at t = 0 gives:

$H = H_o e^{-\beta t}$ (7)

where:

$\beta = 2 \alpha L K / [r^2 \ln(L/r^*)]$ (8)

Hydraulic conductivity is determined from equation (8):

$K = \beta r^2 \ln(L/r^*) / (2 \alpha L)$ (9)

ANALYSIS METHOD

The method of analysis comprises the following:

1. Fit the exponential curve to the falling head test varying:

E_o = starting water level elevation

E_{stat} = static water level elevation

β = exponent
2. Compute formation hydraulic conductivity from eq. (9):

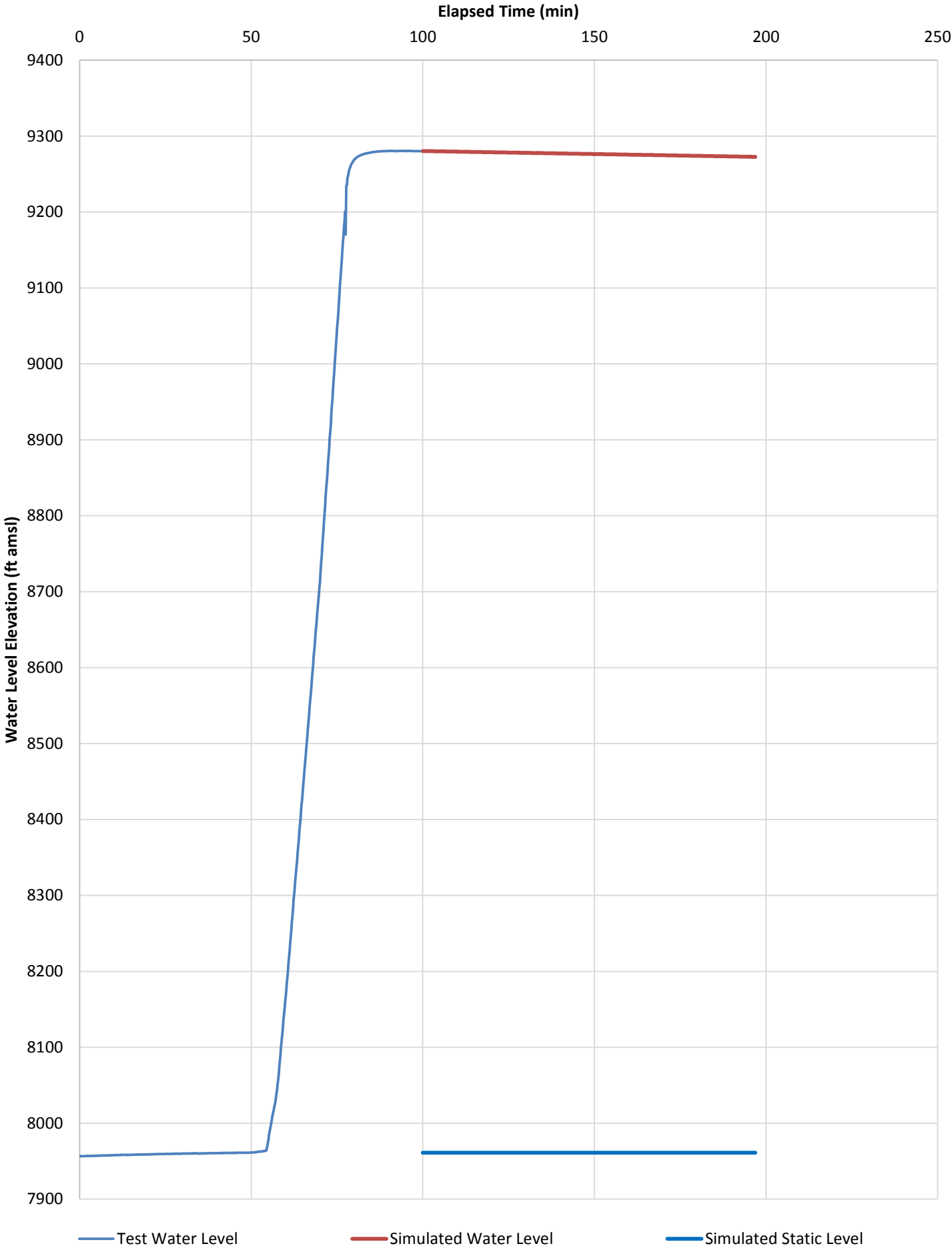
$K = \beta r^2 \ln(L/r^*) / (2 \alpha L)$

REFERENCES:

Thiem, A., 1870. *The yield of artesian wells, dug wells and filter galleries*. J. Gas Lighting Water Supply (Munich), vol.14

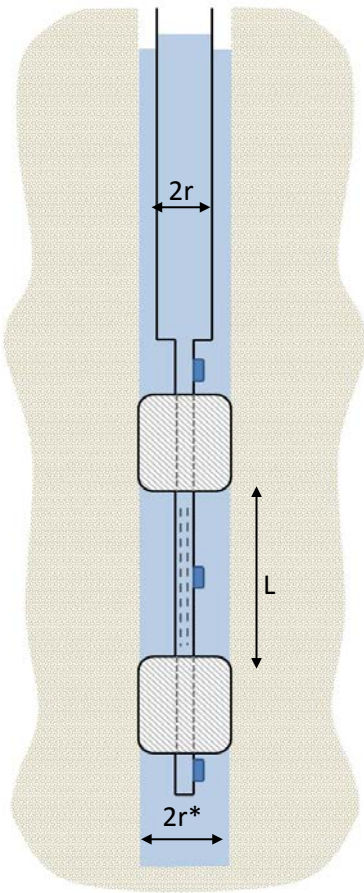
Brown A, 2014. *Reliable Packer Testing and Analysis*. 12th International Mine Water Association Congress, Xuzhou,

FALLING HEAD TEST RESULTS AND BEST-FIT SIMULATION



ANALYSIS OF HYDRAULIC CONDUCTIVITY

TEST INTERVAL GEOMETRY



Stem Radius (r)

ID of HQ (in) 3.06

r = (in) 1.53

Inclination (°) -87.39

r (in) (sloping) 1.53

Well Radius (r*)

OD of NQ (in) 2.965

r* = (in) 1.48

Test Interval (L)

Top depth (ft) 2600

Bottom dep (ft) 3025

L (ft) 425

BEST FIT TO FALLING HEAD TEST DATA

Parameter	Unit	Simulation 1	Simulation 2
E(start)	ft	9280	
E(static)	ft	7961	
β (exponent)	/min	6.00E-05	
t(start)	min	100.00	
t(end)	min	200.00	
Sum of Error	ft	0.00	
RMS of Error	ft	0.25	

COMPUTATION OF HYDRAULIC CONDUCTIVITY

$K = \beta r^2 \ln(L/r^*) / (2 \alpha L)$

Parameter	Unit	Simulation 1	Simulation 2
β (exponent)	/min	6.00E-05	
r (stem radius)	ft	0.128	
L (test interval)	ft	425	
r* (well radius)	ft	0.124	
α (form factor)	--	0.87	
K (hyd.cond.)	ft/min	1.1E-08	
	cm/sec	5.5E-09	



Scale: As shown

Drawn: A.Brown

Date: 2015-12-09

GHC15-1 - Deep Carbonate Borehole Report

APPENDIX 5.1

GHC15-1 FHT #1 - 2600'-3025' DEPTH

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FALLING HEAD TEST SIMULATION ANALYSIS

TEST

The falling head test comprises the following elements:

1. Water is introduced into the well riser, creating excess head in the well relative to the test formation.
2. The excess head causes flow from the wellbore to the formation, resulting in reduction of the water level in the
3. As the water drains out, the water level in the well follows an exponential decay over time towards the static level.

ANALYSIS

The rate that water drains out of the well is controlled by well geometry, and hydraulic conductivity of the formation material.

Consider the conditions at a time t:

E_t = water elevation in the well at time t

E_{stat} = static water level in well

Head (H) driving flow from the wellbore into the formation is:

$H = E_t - E_{stat}$ (1)

Radial flow from the well to the formation is (Theim 1870):

$Q = 2 \pi L K H / \ln(R/r')$ (2)

where:

Q = volumetric flow rate

L = test interval formation length

K = hydraulic conductivity of interval

H = excess head in well relative to formation

R = radius of influence of test

r^* = radius of well bore

Using well completion length L for the radius of influence and applying a form factor for anisotropy (Brown, 2014) gives:

$Q = 2 \alpha \pi L K H / \ln(L/r')$ (3)

where:

α = form factor = 1.12 for Kh/Kv = 0.1

α = form factor = 0.87 for Kh/Kv = 1

α = form factor = 0.61 for Kh/Kv = 10

Flow created by change of water level in the well over time is:

$Q = - \pi r^2 dH/dt$ (4)

where: r = radius of standpipe at the water surface

Equating Q in equation and equation produces:

$2 \alpha \pi L K H / \ln(L/r') = - \pi r^2 dH$ (5)

Rearranging equation produces:

$dH = - 2 \alpha L K / [r^2 \ln(L/r^*)] H dt$ (6)

Integrating over time and noting that H = Ho at t = 0 gives:

$H = H_o e^{-\beta t}$ (7)

where:

$\beta = 2 \alpha L K / [r^2 \ln(L/r^*)]$ (8)

Hydraulic conductivity is determined from equation (8):

$K = \beta r^2 \ln(L/r^*) / (2 \alpha L)$ (9)

ANALYSIS METHOD

The method of analysis comprises the following:

1. Fit the exponential curve to the falling head test varying:

E_o = starting water level elevation

E_{stat} = static water level elevation

β = exponent
2. Compute formation hydraulic conductivity from eq. (9):

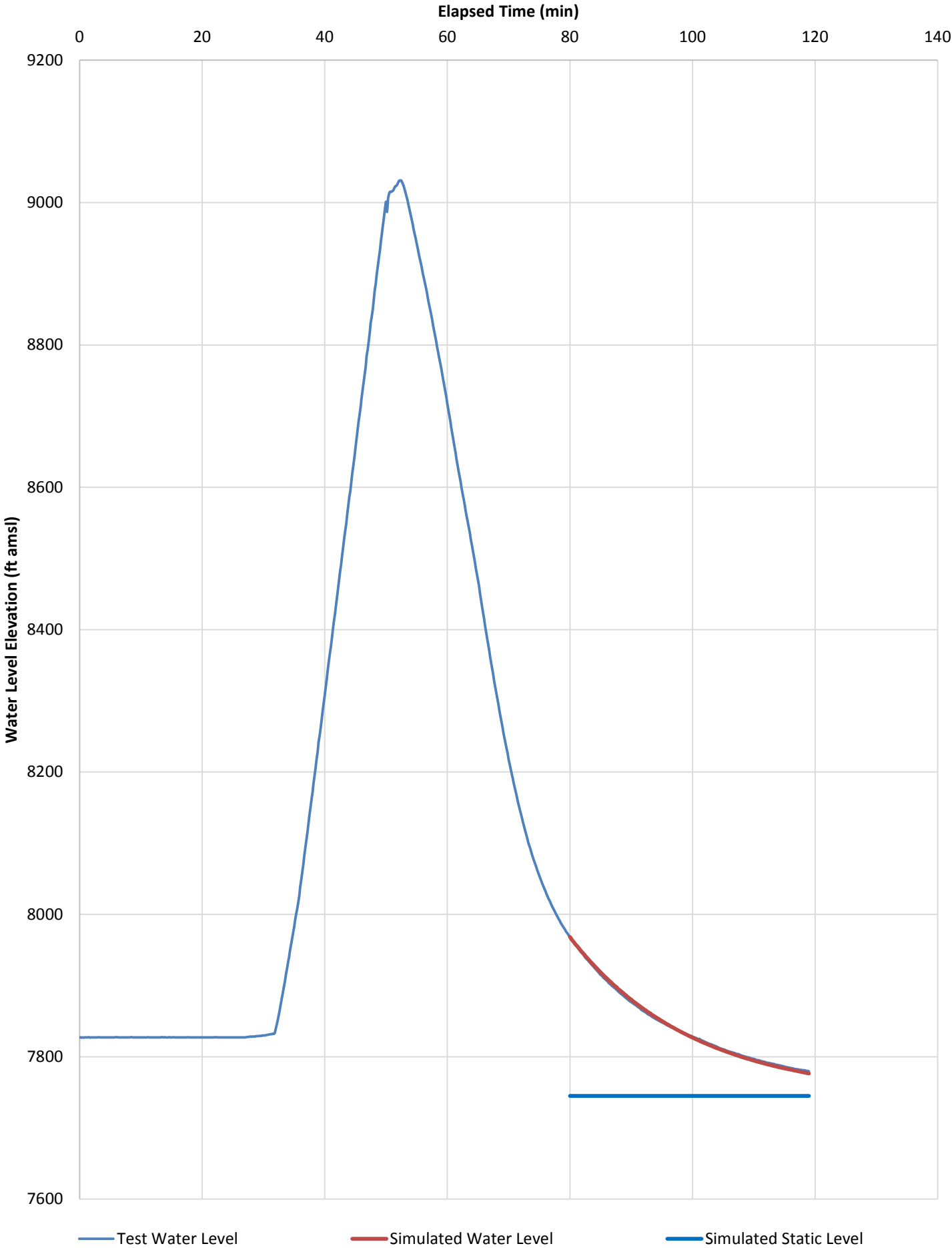
$K = \beta r^2 \ln(L/r^*) / (2 \alpha L)$

REFERENCES:

Thiem, A., 1870. *The yield of artesian wells, dug wells and filter galleries*. J. Gas Lighting Water Supply (Munich), vol.14

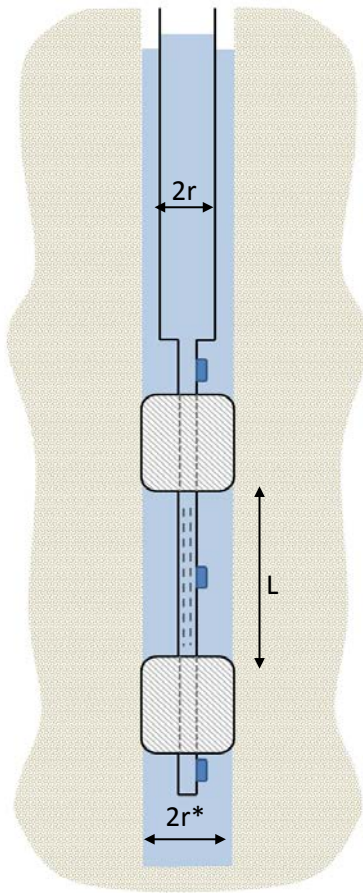
Brown A, 2014. *Reliable Packer Testing and Analysis*. 12th International Mine Water Association Congress, Xuzhou,

FALLING HEAD TEST RESULTS AND BEST-FIT SIMULATION



ANALYSIS OF HYDRAULIC CONDUCTIVITY

TEST INTERVAL GEOMETRY



Stem Radius (r)

ID of HQ (in) 3.06

r = (in) 1.53

Inclination (°) -87.31

r (in) (sloping) 1.53

Well Radius (r*)

OD of NQ^[1] (in) 2.965

r* = (in) 1.48

Test Interval (L)

Top depth (ft) 3043

Bottom dep (ft) 3433

L (ft) 390

Note [1]:

The upper half of the test section is HQ and the balance is NQ. An average bit radius for the two is used.

BEST FIT TO FALLING HEAD TEST DATA

Parameter	Unit	Mid Time	Late Time
E(start)	ft	8370	7968
E(static)	ft	7800	7745
β (exponent)	/min	0.0903	0.0501
t(start)	min	66.67	80.00
t(end)	min	100.00	120.00
Sum of Error	ft	0.00	0.00
RMS Error	ft	7.53	2.37

COMPUTATION OF HYDRAULIC CONDUCTIVITY

$K = \beta r^2 \ln(L/r^*) / (2 \alpha L)$

Parameter	Unit	Early Time	Late Time
β (exponent)	/min	0.0903	0.0501
r (stem radius)	ft	0.128	0.128
L (test interval)	ft	390	390
r* (well radius)	ft	0.124	0.124
α (form factor)	--	0.87	0.87
K (hyd.cond.)	ft/min	1.7E-05	9.7E-06
	cm/sec	8.9E-06	4.9E-06



Scale: As shown

Drawn: A.Brown

Date: 2015-12-09

GHC15-1 - Deep Carbonate Borehole Report

APPENDIX 5.2

GHC15-1 FHT #2 - 3043'-3433' DEPTH

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FALLING HEAD TEST SIMULATION ANALYSIS

TEST

The falling head test comprises the following elements:

1. Water is introduced into the well riser, creating excess head in the well relative to the test formation.
2. The excess head causes flow from the wellbore to the formation, resulting in reduction of the water level in the
3. As the water drains out, the water level in the well follows an exponential decay over time towards the static level.

ANALYSIS

The rate that water drains out of the well is controlled by well geometry, and hydraulic conductivity of the formation material.

Consider the conditions at a time t:

E_t = water elevation in the well at time t

E_{stat} = static water level in well

Head (H) driving flow from the wellbore into the formation is:

$H = E_t - E_{stat}$ (1)

Radial flow from the well to the formation is (Theim 1870):

$Q = 2 \pi L K H / \ln(R/r')$ (2)

where:

Q = volumetric flow rate

L = test interval formation length

K = hydraulic conductivity of interval

H = excess head in well relative to formation

R = radius of influence of test

r^* = radius of well bore

Using well completion length L for the radius of influence and applying a form factor for anisotropy (Brown, 2014) gives:

$Q = 2 \alpha \pi L K H / \ln(L/r')$ (3)

where:

α = form factor = 1.12 for Kh/Kv = 0.1

α = form factor = 0.87 for Kh/Kv = 1

α = form factor = 0.61 for Kh/Kv = 10

Flow created by change of water level in the well over time is:

$Q = - \pi r^2 dH/dt$ (4)

where: r = radius of standpipe at the water surface

Equating Q in equation and equation produces:

$2 \alpha \pi L K H / \ln(L/r') = - \pi r^2 dH$ (5)

Rearranging equation produces:

$dH = - 2 \alpha L K / [r^2 \ln(L/r')] H dt$ (6)

Integrating over time and noting that H = Ho at t = 0 gives:

$H = H_o e^{-\beta t}$ (7)

where:

$\beta = 2 \alpha L K / [r^2 \ln(L/r^*)]$ (8)

Hydraulic conductivity is determined from equation (8):

$K = \beta r^2 \ln(L/r^*) / (2 \alpha L)$ (9)

ANALYSIS METHOD

The method of analysis comprises the following:

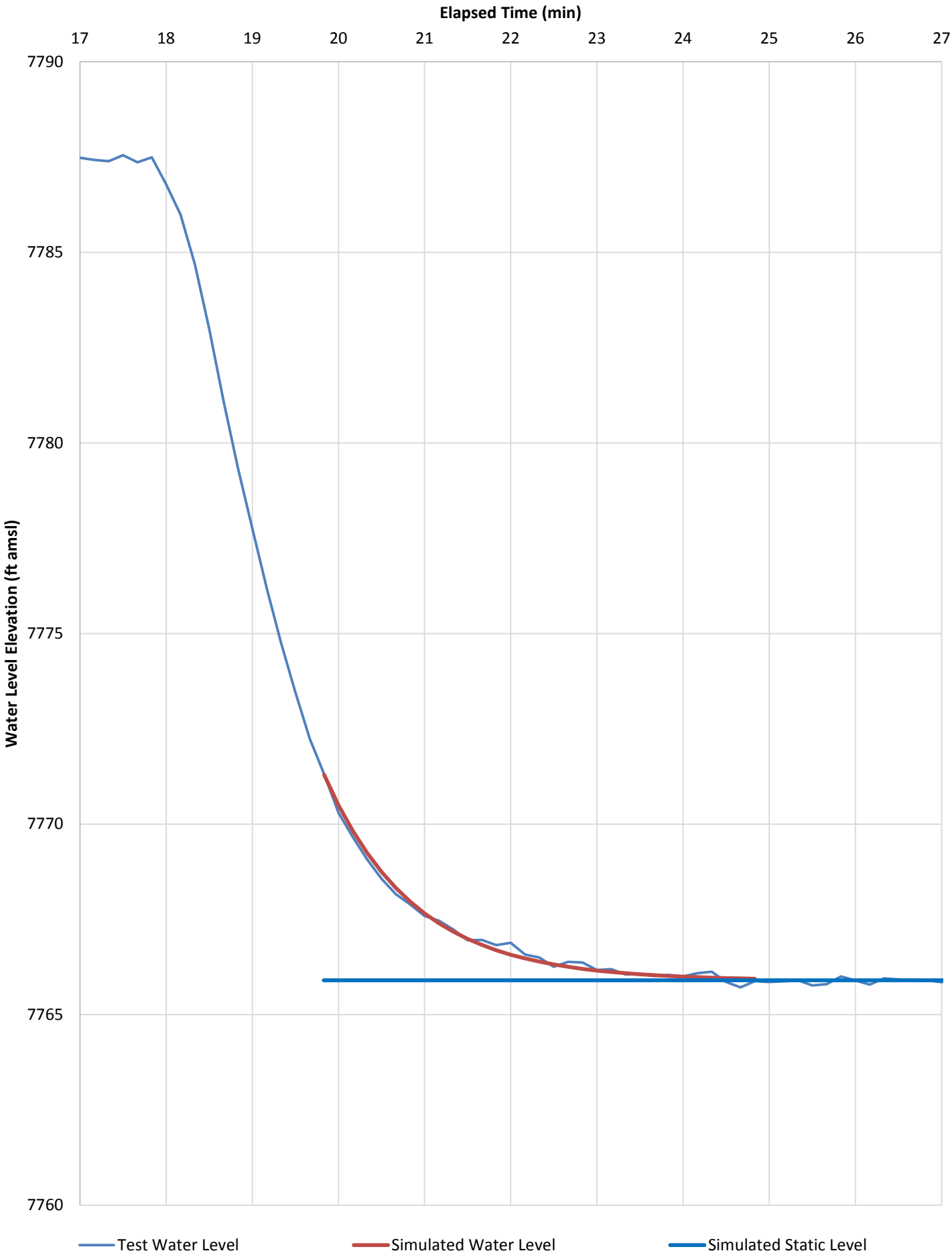
1. Fit the exponential curve to the falling head test varying:
 E_o = starting water level elevation
 E_{stat} = static water level elevation
 β = exponent
2. Compute formation hydraulic conductivity from eq. (9):
 $K = \beta r^2 \ln(L/r^*) / (2 \alpha L)$

REFERENCES:

Thiem, A., 1870. *The yield of artesian wells, dug wells and filter galleries*. J. Gas Lighting Water Supply (Munich), vol.14

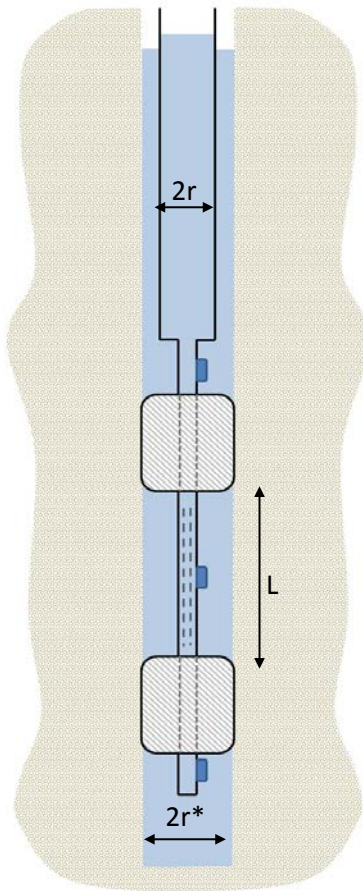
Brown A, 2014. *Reliable Packer Testing and Analysis*. 12th International Mine Water Association Congress, Xuzhou,

FALLING HEAD TEST RESULTS AND BEST-FIT SIMULATION



ANALYSIS OF HYDRAULIC CONDUCTIVITY

TEST INTERVAL GEOMETRY



Stem Radius (r)

ID of HQ (in) 3.06

r = (in) 1.53

Inclination (°) -87.24

r (in) (sloping) 1.53

Well Radius (r*)

OD of NQ^[1] (in) 2.965

r* = (in) 1.48

Test Interval (L)

Top depth (ft) 3450

Bottom dep (ft) 3874

L (ft) 424

Note [1]:

The upper half of the test section is HQ and the balance is NQ. An average bit radius for the two is used.

BEST FIT TO FALLING HEAD TEST DATA

Parameter	Unit	All Time	Late Time
E(start)	ft	7785	7771
E(static)	ft	7765.7	7765.9
β (exponent)	/min	0.7750	0.9600
t(start)	min	18.33	19.83
t(end)	min	30.00	25.00
Sum of Error	ft	0.00	0.00
RMS Error	ft	0.30	0.13

COMPUTATION OF HYDRAULIC CONDUCTIVITY

$K = \beta r^2 \ln(L/r^*) / (2 \alpha L)$

Parameter	Unit	All Time	Late Time
β (exponent)	/min	0.7750	0.9600
r (stem radius)	ft	0.128	0.128
L (test interval)	ft	424	424
r* (well radius)	ft	0.124	0.124
α (form factor)	--	0.87	0.87
K (hyd.cond.)	ft/min	1.4E-04	1.7E-04
	cm/sec	7.1E-05	8.8E-05



Scale: As shown

Drawn: A.Brown

Date: 2015-12-09

GHC15-1 - Deep Carbonate Borehole Report

APPENDIX 5.3

GHC15-1 FHT #3 - 3450'-3874' DEPTH

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FALLING HEAD TEST SIMULATION ANALYSIS

TEST

The falling head test comprises the following elements:

1. Water is introduced into the well riser, creating excess head in the well relative to the test formation.
2. The excess head causes flow from the wellbore to the formation, resulting in reduction of the water level in the
3. As the water drains out, the water level in the well follows an exponential decay over time towards the static level.

ANALYSIS

The rate that water drains out of the well is controlled by well geometry, and hydraulic conductivity of the formation material.

Consider the conditions at a time t:

E_t = water elevation in the well at time t

E_{stat} = static water level in well

Head (H) driving flow from the wellbore into the formation is:

$H = E_t - E_{stat}$ (1)

Radial flow from the well to the formation is (Theim 1870):

$Q = 2 \pi L K H / \ln(R/r')$ (2)

where:

Q = volumetric flow rate

L = test interval formation length

K = hydraulic conductivity of interval

H = excess head in well relative to formation

R = radius of influence of test

r^* = radius of well bore

Using well completion length L for the radius of influence and applying a form factor for anisotropy (Brown, 2014) gives:

$Q = 2 \alpha \pi L K H / \ln(L/r')$ (3)

where:

α = form factor = 1.12 for Kh/Kv = 0.1

α = form factor = 0.87 for Kh/Kv = 1

α = form factor = 0.61 for Kh/Kv = 10

Flow created by change of water level in the well over time is:

$Q = - \pi r^2 dH/dt$ (4)

where: r = radius of standpipe at the water surface

Equating Q in equation and equation produces:

$2 \alpha \pi L K H / \ln(L/r') = - \pi r^2 dH$ (5)

Rearranging equation produces:

$dH = - 2 \alpha L K / [r^2 \ln(L/r^*)] H dt$ (6)

Integrating over time and noting that H = Ho at t = 0 gives:

$H = H_o e^{-\beta t}$ (7)

where:

$\beta = 2 \alpha L K / [r^2 \ln(L/r^*)]$ (8)

Hydraulic conductivity is determined from equation (8):

$K = \beta r^2 \ln(L/r^*) / (2 \alpha L)$ (9)

ANALYSIS METHOD

The method of analysis comprises the following:

1. Fit the exponential curve to the falling head test varying:

E_o = starting water level elevation

E_{stat} = static water level elevation

β = exponent
2. Compute formation hydraulic conductivity from eq. (9):

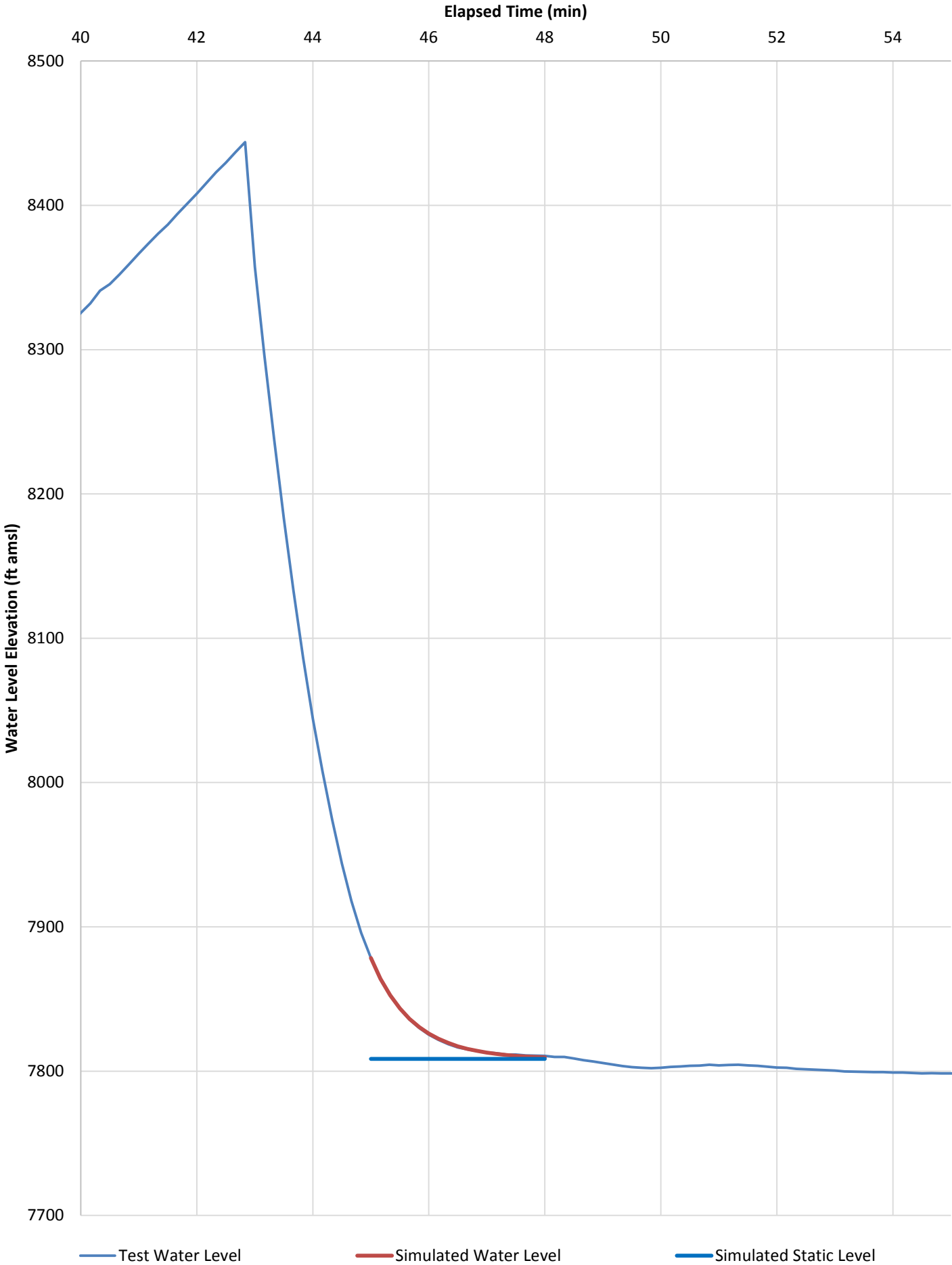
$K = \beta r^2 \ln(L/r^*) / (2 \alpha L)$

REFERENCES:

Thiem, A., 1870. *The yield of artesian wells, dug wells and filter galleries*. J. Gas Lighting Water Supply (Munich), vol.14

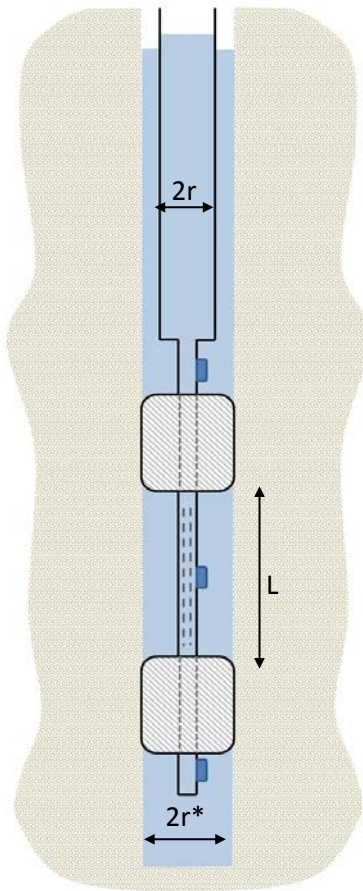
Brown A, 2014. *Reliable Packer Testing and Analysis*. 12th International Mine Water Association Congress, Xuzhou,

FALLING HEAD TEST RESULTS AND BEST-FIT SIMULATION



ANALYSIS OF HYDRAULIC CONDUCTIVITY

TEST INTERVAL GEOMETRY



Stem Radius (r)

ID of HQ (in) 3.06

r = (in) 1.53

Inclination (°) -87.25

r (in) (sloping) 1.53

Well Radius (r*)

OD of NQ^[1] (in) 2.965

r* = (in) 1.48

Test Interval (L)

Top depth (ft) 3454

Bottom dep (ft) 3874

L (ft) 420

Note [1]:

The upper half of the test section is HQ and the balance is NQ. An average bit radius for the two is used.

BEST FIT TO FALLING HEAD TEST DATA

Parameter	Unit	Early Time	Late Time
E(start)	ft	8296	7878
E(static)	ft	7808.45	7808.45
β (exponent)	/min	1.0000	1.3830
t(start)	min	43.17	45.00
t(end)	min	48.00	48.00
Sum of Error	ft	0.00	0.00
RMS Error	ft	13.32	0.60

COMPUTATION OF HYDRAULIC CONDUCTIVITY

$K = \beta r^2 \ln(L/r^*) / (2 \alpha L)$

Parameter	Unit	Early Time	Late Time
β (exponent)	/min	1.0000	1.3830
r (stem radius)	ft	0.128	0.128
L (test interval)	ft	420	420
r* (well radius)	ft	0.124	0.124
α (form factor)	--	0.87	0.87
K (hyd.cond.)	ft/min	1.8E-04	2.5E-04
	cm/sec	9.2E-05	1.3E-04



Scale: As shown

Drawn: A.Brown

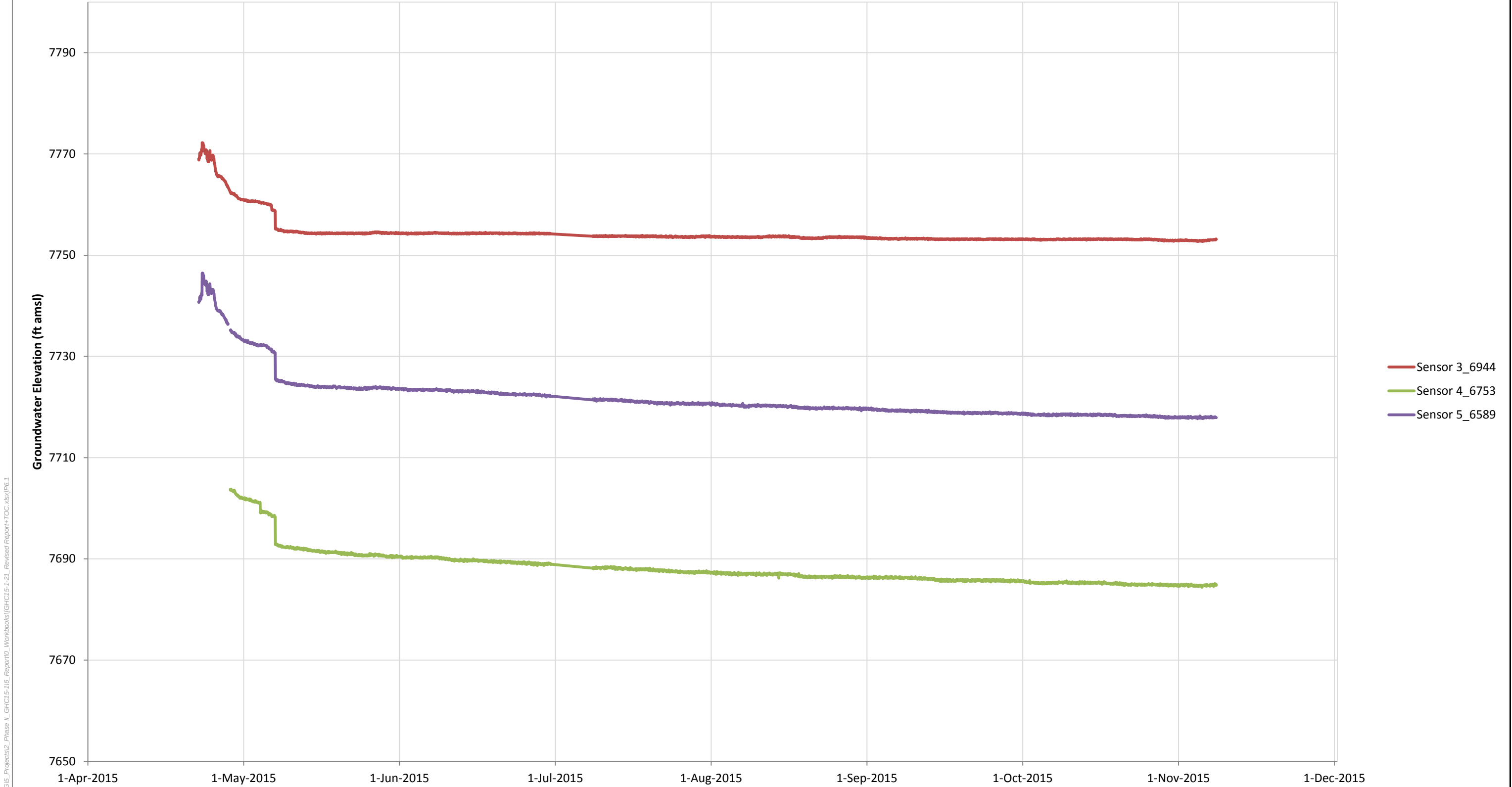
Date: 2015-12-09

GHC15-1 - Deep Carbonate Borehole Report

APPENDIX 5.4

GHC15-1 FHT #4 - 3454'-3874' DEPTH

GHC15-1 Pressure Transducer Data



G:\Dropbox (ABC)_AB PROJECTS\1385_CCA\UG15_Report\0_Workbooks\GHC15-1-21_Revised Report+TOC.xlsx/p6.1

SUMMARY OF VIBRATING WIRE PIEZOMETER RESULTS						
Sensor	Boring Collar	Sensor 1_9058	Sensor 2_8068	Sensor 3_6944	Sensor 4_6753	Sensor 5_6589
Installed Depth (ft)	0	1341	2363	3369	3598	3779
Installed Elevation (ft)	10365	9023	8001	6996	6767	6585
Static Pressure (ft)	---	-3	-2	757	918	1133
Temperature (°C)	---	15.50	21.00	23.20	23.50	23.85
Groundwater Elevation (ft amsl)	---	Dry	Dry	7753	7685	7718



Scale:

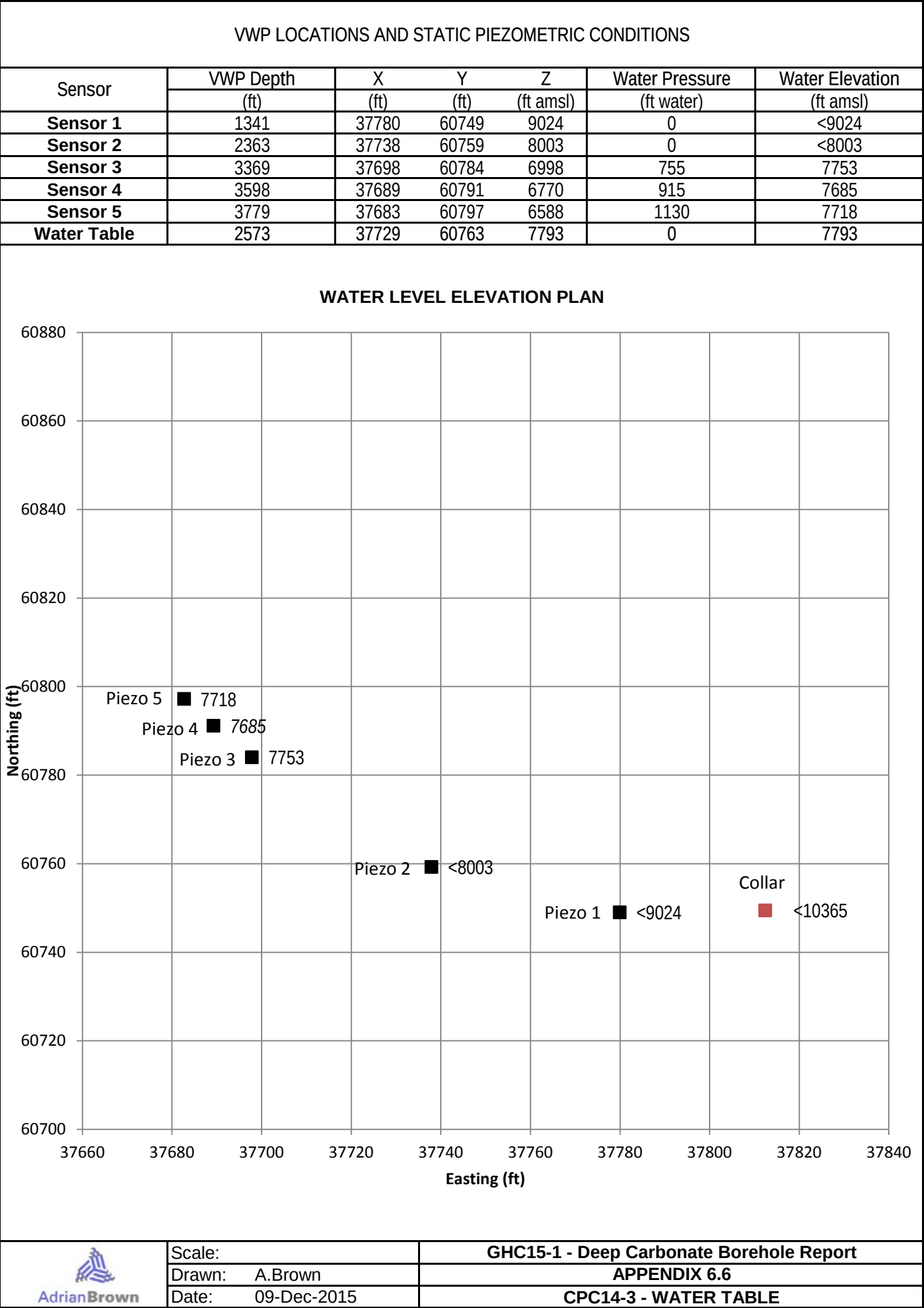
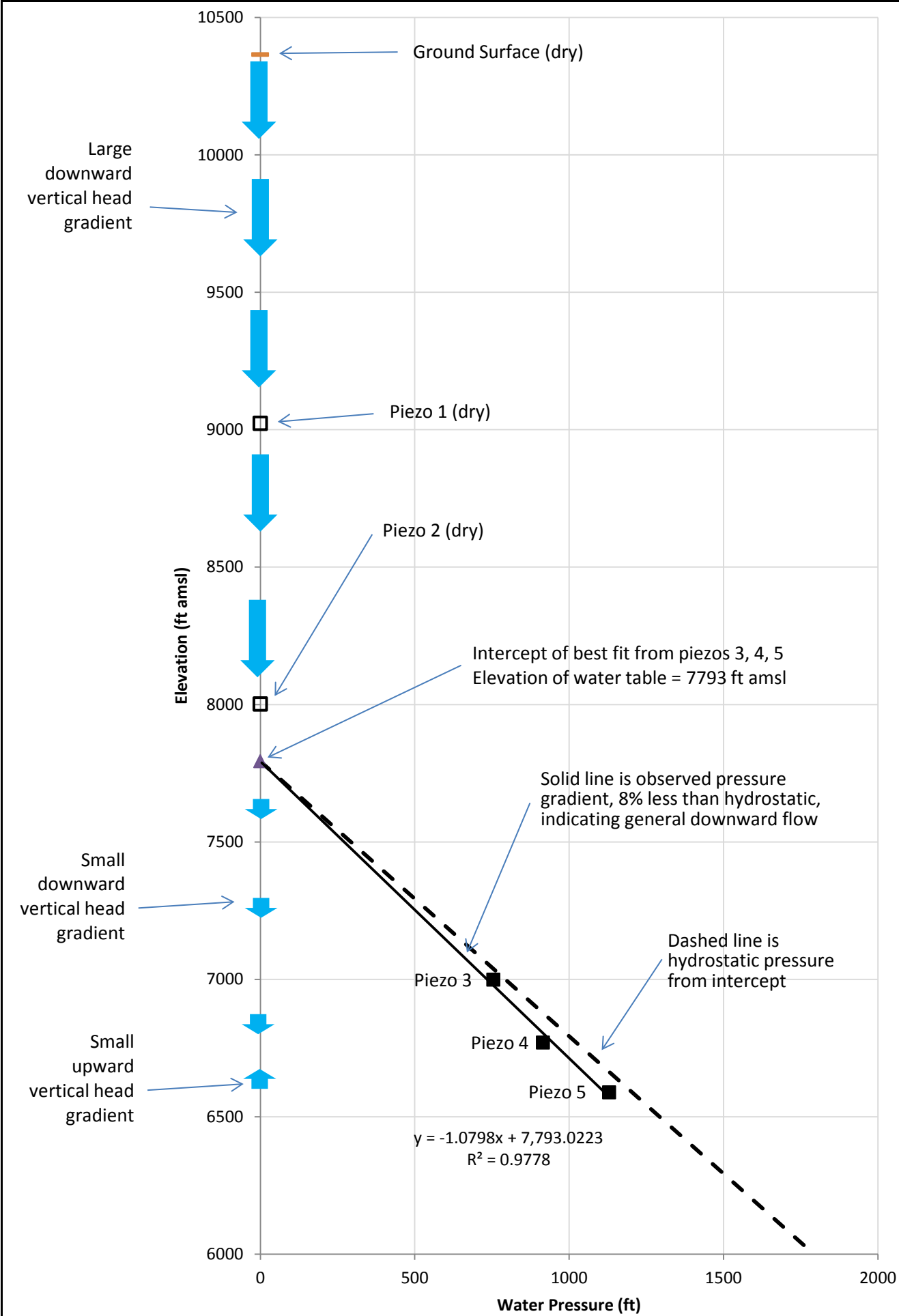
Drawn: A.Brown

Date: 09-Dec-2015

GHC15-1 - Deep Carbonate Borehole Report

APPENDIX 6.1

GHC15-1 VWP PIEZOMETRIC ELEVATIONS



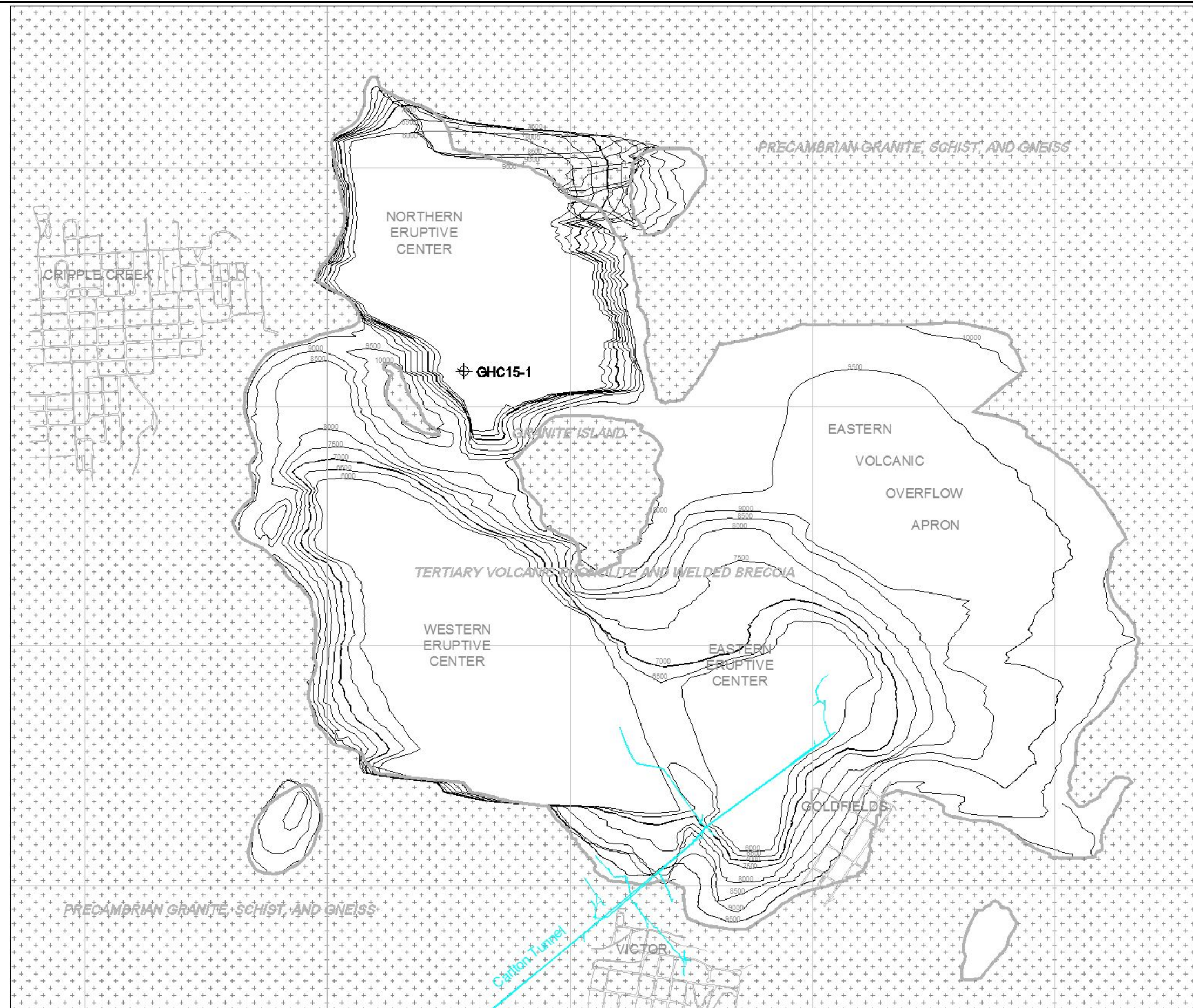
APPENDIX 1

GHC15-1 - LOCATION PLAN AND POSITION

APPENDIX 1.1

GHC15-1 - LOCATION

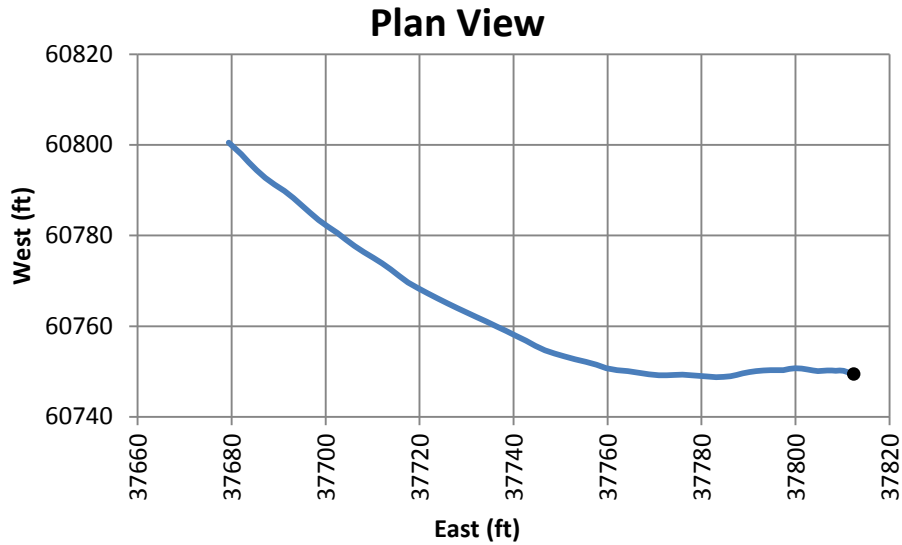
G:\dropbox (ABC)\LAB PROJECTS\1385 - C&V-UG15 - Projects\2 - Phase II\GHC15-16 - Report\0 - Workbooks\GHC15-1-21 - Revised Report\TOC.xlsx\All 1 - Location



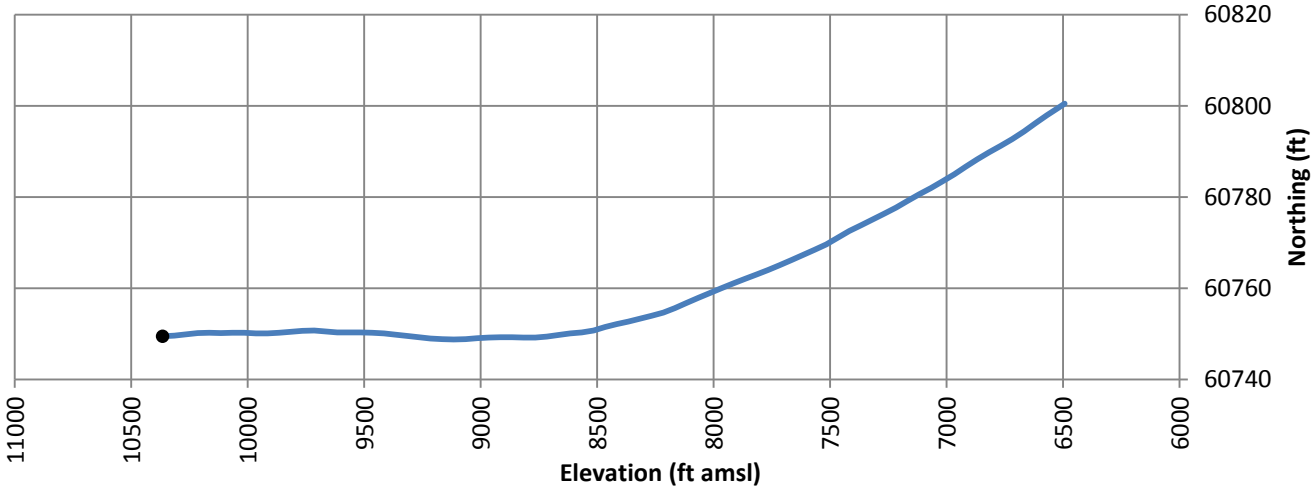
APPENDIX 1.2

GHC15-1 - BOREHOLE SURVEY

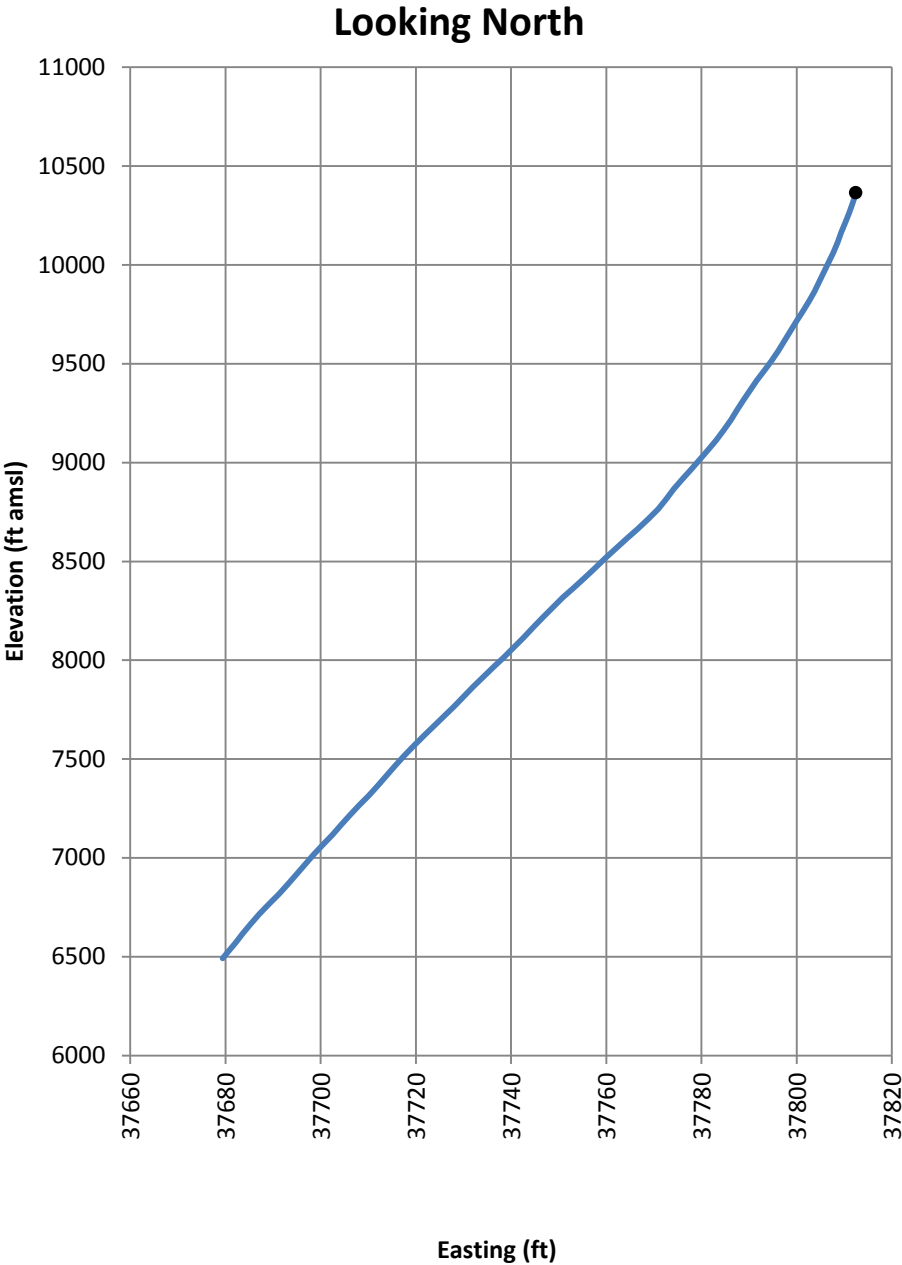
G:\Dropbox (ABC)\AB PROJECTS\1385 - CC&V\UG15 - Projects\2 - Phase 1\GHC15-16_Report\0_Workbooks\GHC15-1-21_ Revised Report\TOC.xls\A1.2_Survey



Looking West



BOREHOLE INFORMATION	
Borehole	GHC15-1
Easting (ft)	37812.4
Northing (ft)	60749.5
Elevation (ft)	10364.5
Inclination (°)	-90.0
Azimuth (° from N)	N/A
Length (ft)	3875.0
Total Depth (ft amsl)	6489.5



Scale:	As shown (5,000 ft grid on plan)
Drawn:	A.Brown
Date:	2015-12-09

#REF!
APPENDIX 1.2
GHC15-1 - SURVEY

Appendix A1.2: Survey of GHC15-1

Borehole	Depth (ft)	Azimuth (°)	Inclination (°)	dX (ft)	dY (ft)	dZ (ft)	X (ft)	Y (ft)	Z (ft)	dX/dD	dY/dD	dZ/dD
GHC15-1	0	275.97	-89.44	0.00	0.00	0.00	37812.44	60749.45	10364.54	-0.013	0.003	-1.000
GHC15-1	50	287.18	-89.07	-0.64	0.13	-50.00	37811.80	60749.58	10314.55	-0.016	0.006	-1.000
GHC15-1	100	294.93	-89.01	-1.42	0.43	-99.99	37811.02	60749.88	10264.55	-0.016	0.005	-1.000
GHC15-1	150	282.27	-89.02	-2.23	0.71	-149.98	37810.21	60750.16	10214.56	-0.017	0.001	-1.000
GHC15-1	200	265.08	-89.03	-3.08	0.76	-199.97	37809.36	60750.21	10164.57	-0.015	-0.001	-1.000
GHC15-1	250	270.00	-89.23	-3.84	0.73	-249.97	37808.60	60750.18	10114.57	-0.017	0.001	-1.000
GHC15-1	300	274.90	-88.79	-4.70	0.76	-299.96	37807.74	60750.22	10064.58	-0.020	0.000	-1.000
GHC15-1	350	265.71	-88.88	-5.72	0.77	-349.95	37806.72	60750.22	10014.59	-0.019	-0.002	-1.000
GHC15-1	400	264.00	-88.90	-6.69	0.68	-399.94	37805.75	60750.14	9964.60	-0.020	-0.001	-1.000
GHC15-1	450	272.18	-88.79	-7.69	0.65	-449.93	37804.75	60750.10	9914.61	-0.021	0.002	-1.000
GHC15-1	500	280.92	-88.83	-8.72	0.77	-499.92	37803.71	60750.22	9864.62	-0.022	0.004	-1.000
GHC15-1	550	280.04	-88.57	-9.84	0.97	-549.91	37802.60	60750.43	9814.64	-0.026	0.005	-1.000
GHC15-1	600	279.99	-88.40	-11.14	1.20	-599.89	37801.30	60750.66	9764.65	-0.027	0.002	-1.000
GHC15-1	650	268.91	-88.50	-12.49	1.31	-649.87	37799.95	60750.76	9714.67	-0.025	-0.004	-1.000
GHC15-1	700	252.75	-88.55	-13.76	1.10	-699.86	37798.68	60750.56	9664.69	-0.025	-0.004	-1.000
GHC15-1	750	267.29	-88.51	-15.02	0.88	-749.84	37797.42	60750.33	9614.70	-0.026	0.000	-1.000
GHC15-1	800	271.20	-88.46	-16.35	0.86	-799.82	37796.09	60750.32	9564.72	-0.028	0.000	-1.000
GHC15-1	850	268.41	-88.34	-17.74	0.86	-849.80	37794.70	60750.31	9514.74	-0.030	-0.001	-1.000
GHC15-1	900	266.97	-88.17	-19.26	0.80	-899.78	37793.18	60750.25	9464.76	-0.031	-0.003	-1.000
GHC15-1	950	261.57	-88.28	-20.80	0.64	-949.75	37791.64	60750.10	9414.79	-0.029	-0.005	-1.000
GHC15-1	1000	259.67	-88.31	-22.27	0.40	-999.73	37790.17	60749.85	9364.81	-0.028	-0.006	-1.000
GHC15-1	1050	257.41	-88.41	-23.67	0.12	-1049.71	37788.76	60749.57	9314.83	-0.026	-0.006	-1.000
GHC15-1	1100	255.68	-88.54	-24.97	-0.19	-1099.69	37787.47	60749.26	9264.85	-0.027	-0.005	-1.000
GHC15-1	1150	261.38	-88.36	-26.29	-0.46	-1149.68	37786.15	60748.99	9214.87	-0.029	-0.003	-1.000
GHC15-1	1200	265.34	-88.28	-27.75	-0.63	-1199.65	37784.69	60748.82	9164.89	-0.031	-0.001	-1.000
GHC15-1	1250	270.46	-88.11	-29.32	-0.69	-1249.63	37783.12	60748.76	9114.91	-0.034	0.002	-0.999
GHC15-1	1300	276.18	-87.99	-31.02	-0.59	-1299.60	37781.42	60748.86	9064.94	-0.036	0.004	-0.999
GHC15-1	1350	275.37	-87.92	-32.80	-0.41	-1349.57	37779.64	60749.04	9014.97	-0.037	0.003	-0.999
GHC15-1	1400	274.55	-87.88	-34.62	-0.25	-1399.54	37777.82	60749.20	8965.01	-0.038	0.002	-0.999
GHC15-1	1450	270.68	-87.79	-36.51	-0.17	-1449.50	37775.93	60749.29	8915.04	-0.036	-0.001	-0.999
GHC15-1	1500	266.05	-88.03	-38.33	-0.22	-1499.47	37774.11	60749.23	8865.08	-0.030	-0.001	-1.000
GHC15-1	1550	269.00	-88.50	-39.84	-0.28	-1549.44	37772.59	60749.17	8815.10	-0.033	0.001	-0.999
GHC15-1	1600	273.12	-87.70	-41.50	-0.25	-1599.42	37770.94	60749.20	8765.13	-0.042	0.004	-0.999
GHC15-1	1650	277.46	-87.45	-43.61	-0.06	-1649.37	37768.83	60749.39	8715.17	-0.045	0.007	-0.999
GHC15-1	1700	280.55	-87.33	-45.86	0.30	-1699.32	37766.58	60749.75	8665.22	-0.045	0.007	-0.999
GHC15-1	1750	276.82	-87.41	-48.13	0.64	-1749.27	37764.31	60750.10	8615.28	-0.046	0.004	-0.999
GHC15-1	1800	272.46	-87.32	-50.42	0.83	-1799.21	37762.02	60750.28	8565.33	-0.046	0.009	-0.999
GHC15-1	1850	288.79	-87.36	-52.70	1.26	-1849.16	37759.74	60750.71	8515.38	-0.043	0.016	-0.999
GHC15-1	1900	292.77	-87.42	-54.83	2.07	-1899.11	37757.61	60751.52	8465.44	-0.044	0.013	-0.999
GHC15-1	1950	279.54	-87.30	-57.04	2.71	-1949.05	37755.40	60752.16	8415.49	-0.046	0.010	-0.999
GHC15-1	2000	285.63	-87.24	-59.36	3.23	-1999.00	37753.08	60752.68	8365.54	-0.045	0.013	-0.999
GHC15-1	2050	286.67	-87.41	-61.60	3.88	-2048.94	37750.84	60753.33	8315.60	-0.042	0.013	-0.999
GHC15-1	2100	287.05	-87.57	-63.70	4.51	-2098.90	37748.74	60753.96	8265.65	-0.042	0.014	-0.999
GHC15-1	2150	290.70	-87.40	-65.78	5.22	-2148.85	37746.66	60754.67	8215.70	-0.040	0.020	-0.999
GHC15-1	2200	301.73	-87.45	-67.79	6.21	-2198.80	37744.65	60755.67	8165.75	-0.040	0.022	-0.999
GHC15-1	2250	296.58	-87.31	-69.79	7.33	-2248.74	37742.65	60756.78	8115.80	-0.042	0.022	-0.999
GHC15-1	2300	298.16	-87.30	-71.87	8.41	-2298.69	37740.56	60757.86	8065.85	-0.042	0.022	-0.999
GHC15-1	2350	296.79	-87.31	-73.96	9.49	-2348.63	37738.48	60758.94	8015.91	-0.043	0.021	-0.999
GHC15-1	2400	295.87	-87.23	-76.09	10.55	-2398.58	37736.34	60760.00	7965.97	-0.043	0.021	-0.999
GHC15-1	2450	295.21	-87.28	-78.26	11.58	-2448.52	37734.18	60761.03	7916.02	-0.042	0.020	-0.999
GHC15-1	2500	295.74	-87.39	-80.35	12.58	-2498.47	37732.08	60762.03	7866.08	-0.041	0.019	-0.999
GHC15-1	2550	295.38	-87.46	-82.38	13.55	-2548.42	37730.06	60763.00	7816.13	-0.041	0.020	-0.999
GHC15-1	2600	295.90	-87.32	-84.43	14.53	-2598.36	37728.01	60763.99	7766.18	-0.043	0.021	-0.999
GHC15-1	2650	296.29	-87.25	-86.56	15.58	-2648.31	37725.88	60765.03	7716.24	-0.043	0.023	-0.999
GHC15-1	2700	299.44	-87.17	-88.71	16.71	-2698.25	37723.73	60766.17	7666.29	-0.042	0.023	-0.999

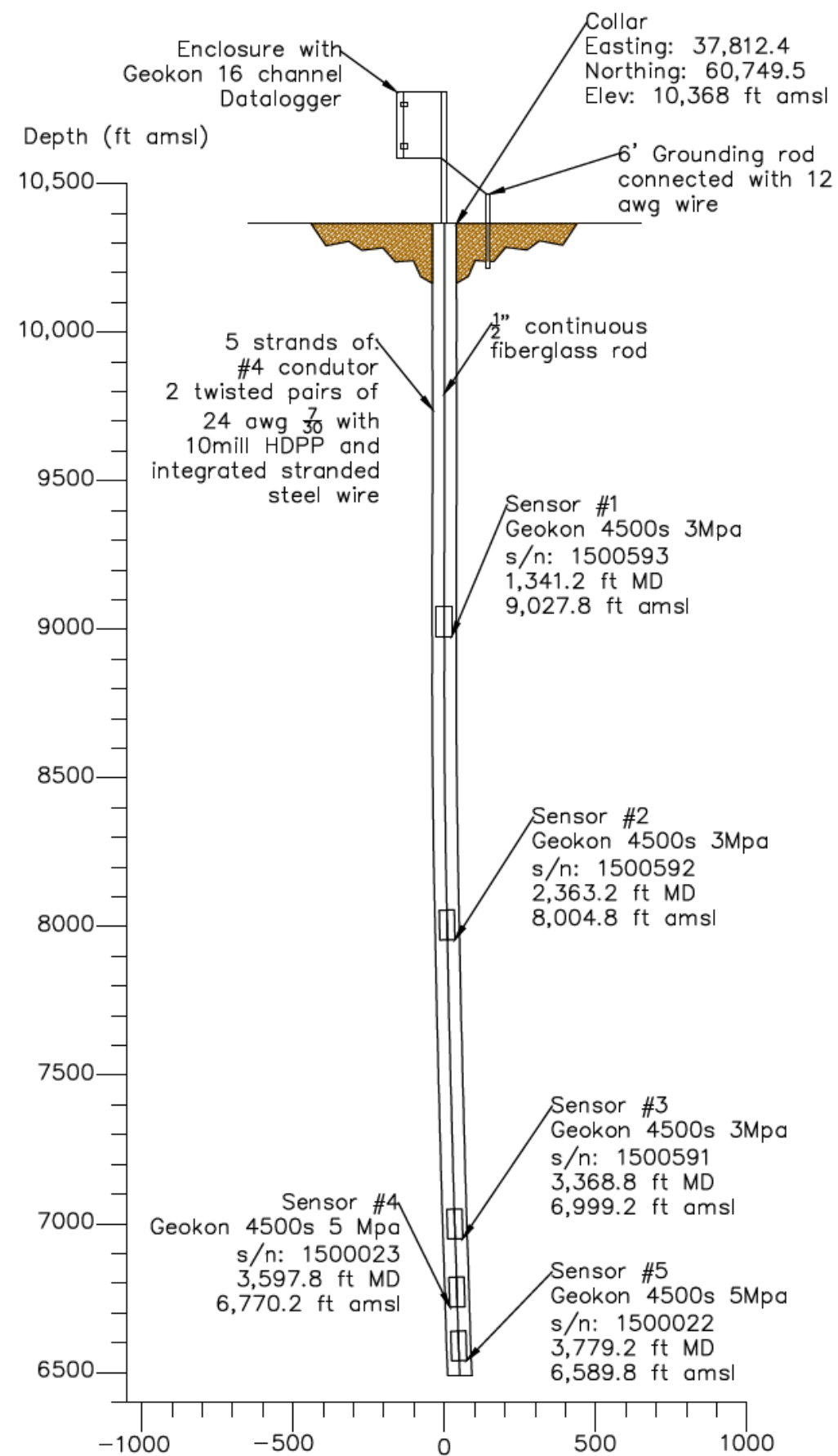
GHC15-1	2750	298.60	-87.31	-90.82	17.88	-2748.19	37721.62	60767.33	7616.35	-0.041	0.022	-0.999
GHC15-1	2800	297.88	-87.34	-92.87	18.99	-2798.14	37719.57	60768.44	7566.41	-0.040	0.024	-0.999
GHC15-1	2850	303.50	-87.29	-94.89	20.18	-2848.08	37717.55	60769.63	7516.46	-0.038	0.029	-0.999
GHC15-1	2900	312.04	-87.24	-96.77	21.64	-2898.02	37715.67	60771.10	7466.52	-0.036	0.029	-0.999
GHC15-1	2950	306.29	-87.41	-98.58	23.12	-2947.97	37713.86	60772.57	7416.57	-0.036	0.026	-0.999
GHC15-1	3000	304.31	-87.48	-100.40	24.40	-2997.92	37712.04	60773.86	7366.62	-0.038	0.025	-0.999
GHC15-1	3050	302.60	-87.31	-102.30	25.66	-3047.87	37710.14	60775.11	7316.68	-0.040	0.025	-0.999
GHC15-1	3100	301.32	-87.27	-104.30	26.91	-3097.81	37708.14	60776.36	7266.73	-0.040	0.026	-0.999
GHC15-1	3150	305.17	-87.26	-106.30	28.22	-3147.76	37706.14	60777.67	7216.79	-0.037	0.029	-0.999
GHC15-1	3200	311.46	-87.32	-108.15	29.68	-3197.70	37704.29	60779.13	7166.84	-0.037	0.030	-0.999
GHC15-1	3250	306.17	-87.28	-109.99	31.16	-3247.64	37702.45	60780.61	7116.90	-0.040	0.027	-0.999
GHC15-1	3300	303.04	-87.17	-111.98	32.53	-3297.58	37700.46	60781.99	7066.96	-0.039	0.029	-0.999
GHC15-1	3350	310.00	-87.27	-113.93	33.98	-3347.53	37698.51	60783.43	7017.02	-0.036	0.032	-0.999
GHC15-1	3400	313.27	-87.24	-115.72	35.57	-3397.47	37696.72	60785.02	6967.07	-0.035	0.033	-0.999
GHC15-1	3450	312.58	-87.22	-117.49	37.21	-3447.41	37694.95	60786.67	6917.13	-0.036	0.032	-0.999
GHC15-1	3500	311.13	-87.20	-119.30	38.84	-3497.35	37693.14	60788.29	6867.19	-0.038	0.031	-0.999
GHC15-1	3550	306.38	-87.17	-121.22	40.37	-3547.29	37691.22	60789.83	6817.25	-0.041	0.028	-0.999
GHC15-1	3600	302.14	-87.13	-123.27	41.77	-3597.23	37689.17	60791.23	6767.31	-0.040	0.030	-0.999
GHC15-1	3650	310.73	-87.12	-125.29	43.26	-3647.17	37687.15	60792.72	6717.38	-0.037	0.034	-0.999
GHC15-1	3700	315.22	-87.11	-127.13	44.98	-3697.10	37685.31	60794.43	6667.44	-0.034	0.035	-0.999
GHC15-1	3750	317.50	-87.31	-128.81	46.74	-3747.04	37683.63	60796.19	6617.50	-0.032	0.035	-0.999
GHC15-1	3800	318.78	-87.24	-130.40	48.51	-3796.99	37682.04	60797.96	6567.56	-0.035	0.034	-0.999
GHC15-1	3850	308.97	-87.15	-132.16	50.21	-3846.93	37680.28	60799.66	6517.62	-0.035	0.034	-0.999
GHC15-1	3875	318.99	-87.26	-133.04	51.05	-3871.90	37679.40	60800.51	6492.65	-0.035	0.034	-0.999

APPENDIX 1.3

GHC15-1 - AS-BUILT DRAWING

SCHLUMBERGER WATER SERVICES, INC.

G:\dropbox (ABC)\AB PROJECTS\1185 - CO&V-UG15 - Projects\2 - Report\0 - Workbooks\GHC15-1-21 - Revised Report+TOC.xls\A1.3 - As Built



Scale: As shown
Drawn: A. Brown
Date: 2015-12-09

GHC15-1 - Deep Carbonate Borehole Report

APPENDIX 1.3

AS BUILT

APPENDIX 2

GHC15-1 - GEOLOGY

CRIPPLE CREEK AND VICTOR GOLD MINING COMPANY, EXPLORATION DEPARTMENT

APPENDIX 2.1

GHC15-1 - GEOLOGY LOG

CRIPPLE CREEK AND VICTOR GOLD MINING COMPANY, EXPLORATION DEPARTMENT

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1	Collar Azimuth: 275.97	Collar Inclination: -89.44	:	Hole Length: 3875.00
northsouth_decimal: 60749.453	eastwest_decimal: 37812.439	elevation: 10364.543	Print Page 1 of 46	

HOLE_ASSAY_SAMPLE																														
depth_to	RockType	Lithology_Comment	potassic	spessartine	sulfidation	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment			Oxidation	structure	contact	ox_comment			pyrite	hematization	quartz	gangue	Sulfate	min_Comment		AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER

Cripple Creek-Victor Gold Mining Company



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northsouth_decimal: 60749.453			eastwest_decimal: 37812.439		elevation: 10364.543			Print Page 2 of 46	

HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	spessartine	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	Oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
97	42	0-92' overburden, backfilled Ironclad pit. PQ. Core is Tbx1l	2	0	0	4	1	4	0	0	0	92-189' clays mixed w/ oxides in frx very prominently, moderate bleaching	4	3		92-189' strong-pervasive Fe ox along frx, ocher to red-brown, mixed w/ clays	1			52	2	52=gypsum, gypsum/anhydrite needles coating open frx	0.005	0.004	EXPAGHC15-1-00
102	42	heterolithic breccia. crushed/pulverized phonolite, clast to matrix suported, rock flour matrix	3	0	0	4	2	4	0	0	0		4	3			1			52	2		0.004	0.003	EXPAGHC15-1-00
107	42		2	0	0	4	2	4	0	0	0	clays are stained yellow to red-brown, coating frx surfaces	5	3		Fe ox selvages 1-4 cm, centered around stockwork frx	0			52	3		0.005	0.004	EXPAGHC15-1-00
112	42	107-189' ~1:1 mix of healed frx (clay cement) with open frx	3	0	0	4	2	4	0	0	0		5	3		deep red-brown Fe ox on frx surfaces	0			52	3		0.004	0.003	EXPAGHC15-1-00
117	42	breccia within breccia, also mix of aphanitic and porphyritic phonolite clasts	3	0	0	4	2	4	0	0	0		5	3		limonite staining throughout matrix	0			52	3		0.004	0.004	EXPAGHC15-1-00
122	42	119-122 joint set (2), 1 cm thick, ~15 deg TCA, infilled w/ clay breccia, pervasive Fe ox	3	0	0	4	2	4	0	0	0		5	3			0			52	2		0.005	0.005	EXPAGHC15-1-00
127	42		3	0	0	3	2	5	0	0	0	zones of adularia (?) flooding, med gry, slightly harder than surrounding matrix	3	3			1			52	2		0.004	0.004	EXPAGHC15-1-00
132	42		3	0	0	3	2	5	0	0	0		3	2			1			52	2		0.005	0.003	EXPAGHC15-1-00
137	42	133-136' joint set runs parallel TCA (to core axis)	3	0	0	3	2	5	0	0	0		4	3			1			52	2		0.004	0.003	EXPAGHC15-1-00
142	42	frx healed with hard-packed clay cement, 138-140' breccia w/ clay cement	2	0	0	5	3	5	0	0	0	clays are very hard-packed, porcelainous, conchoidal frx, nominally white but often stained yellow	5	3			0				2		0.004	0.004	EXPAGHC15-1-01
147	42		2	0	0	5	3	5	0	0	0		5	3			0				2		0.005	0.004	EXPAGHC15-1-01
152	42		2	0	0	4	2	4	0	0	0		5	3			0				1		0.002	0.002	EXPAGHC15-1-01
157	42		2	0	0	5	3	5	0	0	0	clay frx fill, looks like late-stage brecciation w/ clay (kaolinite?) cement	5	3			0				2		0.006	0.006	EXPAGHC15-1-01
162	42		2	0	0	5	3	5	0	0	0		5	3			0				2		0.007	0.007	EXPAGHC15-1-01
167	42	stockwork frx, healed w/ clay cement	2	0	0	5	3	4	0	0	0		5	2			0				2		0.007	0.007	EXPAGHC15-1-01
172	42		2	0	0	3	3	4	0	0	0		4	2		stockwork frx primarily host Fe ox, 1-5 mm selvages	0				2		0.007	0.006	EXPAGHC15-1-01

Cripple Creek-Victor Gold Mining Company



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HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	spinelite	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
172	42		2	0	0	3	3	4	0	0	0		4	2		stockwork frx primarily host Fe ox, 1-5 mm	0				2		0.007	0.006	EXPAGHC15-1-01
177	42		2	0	0	4	3	4	0	0	0		4	3			0				2		0.008	0.007	EXPAGHC15-1-01
182	42	frx healed w/ hard-packed clay cement, late-stage brecciation	2	0	0	5	4	5	0	0	0		5	3			0				3		0.006	0.006	EXPAGHC15-1-01
187	42		2	0	0	5	4	4	0	0	0		5	3			0				3		0.007	0.008	EXPAGHC15-1-01
192	42	PQ core ends at 189'	2	0	0	5	4	4	0	0	0		4	3			0				3		0.004	0.004	EXPAGHC15-1-02
197	42	HQ begins. heterolithic microbreccia, rock flour, stockwork frx	3	0	0	5	4	5	0	0	0	decomposition of core in highly frx zones, very friable	3	3		ocher limonite to red-brown hematite, primarily on frx	0				3		0.002	0.002	EXPAGHC15-1-02
202	81	brecciated breccia, wht clay cement/matrix	2	0	0	5	4	5	0	0	0		3	2			0				1		0.003	0.003	EXPAGHC15-1-02
207	42		3	0	0	3	3	4	0	0	0		4	3			0				1		0.023	0.023	EXPAGHC15-1-02
212	42		3	0	0	2	2	4	0	0	0		4	3			0				1		0.015	0.014	EXPAGHC15-1-02
217	42	friable	3	0	0	2	2	4	0	0	0		3	3			0				2		0.006	0.005	EXPAGHC15-1-02
222	42		3	0	0	2	2	4	0	0	0		3	2			0				1		0.003	0.002	EXPAGHC15-1-02
227	42		3	0	0	3	3	5	0	0	0		4	3			0				2		0.002	0.002	EXPAGHC15-1-02
232	42		2	0	0	3	3	5	0	0	0		3	3			0				2		0.005	0.005	EXPAGHC15-1-02
237	42		2	0	0	5	3	5	0	0	0	234-235' decomposed, friable, pervasive clays	3	3			0				2		0.005	0.004	EXPAGHC15-1-02
242	42		3	0	0	3	2	4	0	0	0		2	3			0				1		0.006	0.005	EXPAGHC15-1-03
247	42	heterolithic microbreccia as above, angular clasts up to 2-5 cm, rock flour matrix	3	0	0	3	2	4	0	0	0		3	2			1				1	tr py in unoxidized zones	0.005	0.004	EXPAGHC15-1-03
252	42	very mottled texture	3	0	0	1	2	4	0	0	0		2	2			2				0	weak-moderate py replacement throughout, very fine grained	0.002	0.001	EXPAGHC15-1-03
257	42		3	0	1	1	2	4	0	0	0	tr qtz veins	2	2			1				2	vfg jarosite in frx - yellow to ocher color	0.003	0.002	EXPAGHC15-1-03

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depth_to	RockType	Lithology_Comment	potassic	speculite	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
257	42		3	0	0	2	2	4	0	0	0	tr qtz veins	2	2			1				2	via jarosite in frx - yellow to ocher color	0.003	0.002	EXPAGHC15-1-03
262	42		3	0	0	2	2	3	0	0	0		2	2		Fe ox concentrated in frx	2				1		0.006	0.002	EXPAGHC15-1-03
267	42		3	0	0	3	2	4	0	0	0		1	3			2				1		0.005	0.002	EXPAGHC15-1-03
272	42		4	0	0	3	2	4	0	0	0		3	3			2				1		0.006	0.004	EXPAGHC15-1-03
277	42		4	0	0	3	2	4	0	0	0		2	3			2				0		0.004	0.003	EXPAGHC15-1-03
282	42		4	0	0	3	2	4	0	0	0		3	3			2				0		0.008	0.006	EXPAGHC15-1-03
287	42	stockwork frx, healed w/ Fe ox +/- clay	2	0	0	4	2	4	0	0	0	potassic alteration overprinted by argillic/oxidation	5	2		pervasive limonite + hematite	0				1		0.004	0.004	EXPAGHC15-1-03
292	42		2	0	0	4	2	4	0	0	0		5	3			0				1		0.004	0.004	EXPAGHC15-1-04
297	42		3	0	0	4	2	4	0	0	0	hard-packed, porcelainous wht-gry clay	4	3			1				1		0.002	0.001	EXPAGHC15-1-04
302	42		3	0	0	5	2	3	0	0	0	box-works texture -- pyrite replaced by hematite	3	3			0		55		0	55=hematite	0.003	0.003	EXPAGHC15-1-04
307	42		2	0	0	5	3	4	0	0	0		5	2			0				0		0.002	0.002	EXPAGHC15-1-04
312	42		3	0	0	4	3	4	0	0	0		4	3			1				0		0.002	0.003	EXPAGHC15-1-04
317	42	broken/rubble zone, breccia as above	4	0	0	2	1	3	0	0	0		2	3			2				0		0.003	0.002	EXPAGHC15-1-04
322	42		4	0	0	3	2	3	0	0	0		1	3			3				0	disseminated py, euhedral xls ~1 mm	0.004	0.002	EXPAGHC15-1-04
327	42		4	0	0	4	3	3	0	0	0		3	3			2				0		0.003	0.002	EXPAGHC15-1-04
332	42		4	0	0	3	2	3	0	0	0		4	3			0				0		0.005	0.006	EXPAGHC15-1-04
337	42		3	1	0	2	2	3	0	0	0	tr specularite around frx	3	3			0				0		0.003	0.003	EXPAGHC15-1-04
342	42		3	0	0	4	3	3	0	0	0		4	3			0		54		2	54=jarosite +/- gypsum	0.002	0.002	EXPAGHC15-1-05

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depth_to	RockType	Lithology_Comment	potassic	spessartine	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER	
342	42		3	0	0	4	3	3	0	0	0		4	3			0				54	2	346-347' 4 cm thick clay vein, very porcelainous	0.002	0.002	EXPAGHC15-1-05
347	42	346-347' 4 cm thick clay vein, very porcelainous	4	0	0	5	3	4	0	0	0		4	3			0					1		0.003	0.003	EXPAGHC15-1-05
352	42		3	0	0	5	3	3	0	0	0		3	3			0					1		0.002	0.003	EXPAGHC15-1-05
357	42		2	0	0	3	3	3	0	0	0		5	3			0					1		0.002	0.002	EXPAGHC15-1-05
362	42	decomposed/friable rock, crumbles to the touch in areas; breccia as above	2	0	0	4	3	3	0	0	0		5	3			0					1		0.006	0.007	EXPAGHC15-1-05
367	42		2	0	0	5	4	4	0	0	0		5	3			0			54	3		0.005	0.007	EXPAGHC15-1-05	
372	42		4	0	0	1	1	3	0	0	0		2	3			2					0		0.003	0.004	EXPAGHC15-1-05
377	42		4	0	0	1	1	3	0	0	0		2	3			2					0		0.004	0.001	EXPAGHC15-1-05
382	31	379-381.5' Tphk dike (?), indistinct contact	3	0	0	2	1	3	0	0	0		4	2	10		0					0		0.003	0.002	EXPAGHC15-1-05
387	42	back to heterolithic microbreccia as above	3	0	0	4	2	4	0	0	0		3	3	10		0					0		0.003	0.003	EXPAGHC15-1-05
392	42		4	0	0	3	2	4	0	0	0		3	3			2					0		0.006	0.005	EXPAGHC15-1-06
397	42		4	0	0	3	2	3	0	0	0		2	3			2					0		0.004	0.001	EXPAGHC15-1-06
402	42		4	0	0	3	2	3	0	0	0		3	3			1					0		0.002	0.002	EXPAGHC15-1-06
407	42		3	0	0	4	2	3	0	0	0		5	3			0					0		0.006	0.005	EXPAGHC15-1-06
412	42	rubble zone	3	0	0	5	3	4	0	0	0		5	3			0			54	2		0.006	0.006	EXPAGHC15-1-06	
417	42		2	0	0	5	3	4	0	0	0		5	3		limonite + hematite	0			55	3		0.005	0.004	EXPAGHC15-1-06	
422	42		2	0	0	5	3	4	0	0	0		5	3			0					0		0.007	0.007	EXPAGHC15-1-06
427	42		2	0	0	5	4	4	0	0	0		5	3			0			55	0		0.008	0.007	EXPAGHC15-1-06	

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427	42		2	0	0	5	4	4	0	0	0		5	5			0			55	2		0.008	0.007	EXPAGHC15-1-06
432	81	427-430' brecciated clay cement	2	0	0	5	4	5	0	0	0		5		10		0			54	0		0.007	0.006	EXPAGHC15-1-06
437	42	pervasive clay as above, but not breccia cement	2	0	0	5	4	5	0	0	0		5		10		0			54	0		0.006	0.006	EXPAGHC15-1-06
442	42		3	0	0	4	3	3	0	0	0		5	5		clays mixed with limonite	0			54	2		0.009	0.008	EXPAGHC15-1-07
447	42		3	0	0	3	3	3	0	0	0		5	3			0			54	2		0.004	0.002	EXPAGHC15-1-07
452	42		3	0	0	4	3	3	0	0	0		5	5			0			55	2	hematite - botryoidal and replacing pyrite	0.005	0.004	EXPAGHC15-1-07
457	42		3	0	0	4	3	3	0	0	0		5	5			0			55	2		0.003	0.002	EXPAGHC15-1-07
462	42		3	0	0	4	3	3	0	0	0		5	5			0			55	2		0.006	0.005	EXPAGHC15-1-07
467	42		4	0	0	5	3	3	0	0	0		5	5			0			55	2		0.005	0.005	EXPAGHC15-1-07
472	42	healed joints...decomposing in areas, friable	3	0	0	4	3	3	0	0	0		5	5			0			55	2		0.006	0.005	EXPAGHC15-1-07
477	42		3	0	0	4	2	3	0	0	0		5	5			0			55	2		0.005	0.005	EXPAGHC15-1-07
482	42		3	0	0	4	2	3	0	0	0		5	5			0			55	2		0.005	0.004	EXPAGHC15-1-07
489	8	484.5-488' missing (void/no recovery), combined into 1 sample; 489' next run block, decomosed clay	2	0	0	5	3	3	0	0	0		5		10		0			55	2		0.006	0.004	EXPAGHC15-1-07
494	42	decomposed clay zone, heterolithic breccia as above	2	0	0	5	3	3	0	0	0		5		10		0			55	2		0.004	0.006	EXPAGHC15-1-08
499	8	decomposed as above	2	0	0	5	4	3	0	0	0		5		10		0			55	2		0.005	0.003	EXPAGHC15-1-08
504	42		3	0	0	3	3	4	0	0	0		4	3	10		0			55	1		0.014	0.014	EXPAGHC15-1-08
509	42		4	0	0	2	2	4	0	0	0		3	3			0			55	1		0.005	0.005	EXPAGHC15-1-08
514	42	decomposing, core is extremely friable	2	0	0	5	3	3	0	0	0		5	5			0			55	1		0.006	0.005	EXPAGHC15-1-08

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514	42	decomposing, core is extremely friable	2	0	0	5	3	3	0	0	0		5	3			0			55	1		0.006	0.005	EXPAGHC15-1-08
519	42	moderately-strongly competent zone, good heterolithic brx texture	4	0	0	2	2	4	0	0	0	514-517' strong-pervasive potassic flooding	4	2			2			55	1	disseminated py in unoxidized zones	0.007	0.006	EXPAGHC15-1-08
524	42	stockwork frx, semi-healed w/ Fe ox	4	0	0	3	2	4	0	0	0		5	2			1			55	1		0.003	0.002	EXPAGHC15-1-08
529	42	frx as above, but much more friable	2	0	0	4	3	4	0	0	0		5	5			0			55	2		0.009	0.007	EXPAGHC15-1-08
534	42		3	0	0	5	3	4	0	0	0		5	5			0			55	2		0.008	0.007	EXPAGHC15-1-08
539	42		3	0	0	5	3	4	0	0	0		5	5			0			55	2		0.004	0.003	EXPAGHC15-1-08
544	42		4	0	0	3	3	3	0	0	0	540-542' concentrated potassic flooding (adularia?)	4	3			2			55	2	diss py in unoxidized zones	0.005	0.004	EXPAGHC15-1-09
549	42		3	0	0	3	3	3	0	0	0		5	5			0			55	2		0.006	0.005	EXPAGHC15-1-09
554	42		3	0	0	5	3	4	0	0	0		5	5			0			55	2		0.002	0.001	EXPAGHC15-1-09
559	42		4	0	0	4	3	4	0	0	0		5	3			1			55	1		0.009	0.009	EXPAGHC15-1-09
564	42		3	0	0	5	3	4	0	0	0		5	5			0			55	2		0.010	0.010	EXPAGHC15-1-09
569	42		3	0	0	5	3	4	0	0	0		5	5			0			55	2		0.002	0.002	EXPAGHC15-1-09
574	42		3	0	0	5	3	4	0	0	0		5	5			0			55	2		0.004	0.003	EXPAGHC15-1-09
579	42	decomposed, friable, heterolithic microbreccia as above	2	0	0	5	3	4	0	0	0		5	5		mixed Fe ox + limonite as above, frx controlled	0			55	2		0.002	0.002	EXPAGHC15-1-09
584	42		3	0	0	5	3	4	0	0	0		5	5			0			55	1		0.004	0.003	EXPAGHC15-1-09
589	42		2	0	0	5	3	5	0	0	0	texture obliterated by decomposition/clay alteration	5	5			0				1		0.006	0.006	EXPAGHC15-1-09
594	42		2	0	0	4	2	5	0	0	0		5	5			0				1		0.005	0.004	EXPAGHC15-1-10
599	42		4	0	0	3	2	4	0	0	0	moderate-strong potassic flooding (adularia?)	4	3			1			55	1	reddish-brown hematite crust on frx surfaces	0.008	0.008	EXPAGHC15-1-10

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1	Collar Azimuth: 275.97	Collar Inclination: -89.44	:	Hole Length: 3875.00
northsouth_decimal: 60749.453	eastwest_decimal: 37812.439	elevation: 10364.543	Print Page 8 of 46	

HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	spiculate	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
599	42		4	0	0	3	2	4	0	0	0	erate-strong potassic flooding (adularia?)	4	3			1			55	1	reddish-brown hematite crust on frx surfaces	0.008	0.008	EXPAGHC15-1-10
604	42		4	1	0	2	2	4	0	0	0	concentrated, hard-packed wht clay in frx/veinlets	3	2			3			55	1	py occurring as clusters of vfg xls	0.010	0.008	EXPAGHC15-1-10
609	42		3	1	0	3	2	4	0	0	0		4	3			0			55	1		0.005	0.005	EXPAGHC15-1-10
614	42		3	1	0	2	2	3	0	0	0		5	3			0			55	1		0.004	0.004	EXPAGHC15-1-10
619	42		3	1	0	2	2	3	0	0	0		4	2			0			55	1		0.005	0.004	EXPAGHC15-1-10
624	42		4	1	0	2	2	3	0	0	0		3	2			0			55	1	hematite in fx as above, ox healed fx	0.004	0.004	EXPAGHC15-1-10
629	42	altered, competent, heterolithic microbreccia	3	1	0	2	2	2	0	0	0	slight potassic flooding, wht clay in fx as above	3	3			2			55	1		0.010	0.009	EXPAGHC15-1-10
634	42		3	1	0	2	3	2	0	0	0		3	3		Fe ox as above	1			55	1		0.006	0.006	EXPAGHC15-1-10
639	42		3	1	0	2	3	2	0	0	0		3	2			0			55	1		0.007	0.007	EXPAGHC15-1-10
644	42		3	1	0	2	3	2	0	0	0	moderate potassic flooding along wht clay-filled fx	2	1			1			54	1		0.007	0.004	EXPAGHC15-1-11
649	42		3	1	0	2	3	2	0	0	0		2	2			1			55	1		0.013	0.010	EXPAGHC15-1-11
654	42	decomposed, friable, heterolithic microbreccia	1	0	0	4	2	3	0	0	0		5	3			0			55	1		0.004	0.004	EXPAGHC15-1-11
659	42		1	0	0	4	3	4	0	0	0		4	3			0			55	1		0.006	0.005	EXPAGHC15-1-11
664	42		2	0	0	3	3	4	0	0	0		3	3			0			55	1		0.009	0.008	EXPAGHC15-1-11
669	42		2	1	0	3	2	3	0	0	0		4	3			0			55	1		0.004	0.003	EXPAGHC15-1-11
674	42		4	0	0	3	2	3	0	0	0	boxworks texture--pyrite cubes relaced with hematite fill	3	3			0			55	0		0.002	0.002	EXPAGHC15-1-11
679	42		2	0	0	4	2	4	0	0	0		2	3			0			55	0		0.001	0.001	EXPAGHC15-1-11
684	42	very mottled texture, spotty pyrite blebs throughout	3	0	0	2	2	3	0	0	0		4	3		stockwork frx (healed) hosts Fe ox + selvages	2			55	0		0.002	0.001	EXPAGHC15-1-11

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1	Collar Azimuth: 275.97	Collar Inclination: -89.44	:	Hole Length: 3875.00
northsouth_decimal: 60749.453	eastwest_decimal: 37812.439	elevation: 10364.543	Print Page 9 of 46	

HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	spiontine	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
684	42	very mottled texture, spotty pyrite blebs th	3	0	0	2	2	3	0	0	0		4	3		stockwork frx (healed) hosts Fe ox + selv	2			55	0		0.002	0.001	EXPAGHC15-1-11
689	42		4	0	0	4	2	3	0	0	0	684-685' 2-4 cm thick wht clay vein (kaolinite), very hard-packed, porcelainous texture	2	3			3				0		0.003	0.002	EXPAGHC15-1-11
694	42		4	0	0	1	2	3	0	0	0		4	3			2			55	0		0.003	0.003	EXPAGHC15-1-12
699	42		4	0	0	1	2	3	0	0	0	strong potassic alt along frx, w/ 1-2 cm selvages	2	2			1				0		0.004	0.003	EXPAGHC15-1-12
704	42	703-704' Tphk dike 4 cm thick	4	0	0	1	2	3	0	0	0		3	2			1				0		0.005	0.005	EXPAGHC15-1-12
709	42		4	2	0	2	2	3	0	0	0	strong potassic flooding w/ kaolinite veins throughout; texture overprinted	4	2		leisegang banding in Fe ox	0				1		0.005	0.005	EXPAGHC15-1-12
714	42	original breccia texture completely overprinted by oxide + alteration	4	2	0	4	3	3	0	0	0	ghost/relict clasts faintly visible; weak dissolution and infill w/ oxides	5	3			0			55	1	hematite replacing py cubes	0.009	0.009	EXPAGHC15-1-12
719	34	indistinct contact to undiff phonolite, faint lath-shaped phenos	4	1	0	3	3	3	0	0	0		3	3	10		2				0		0.010	0.008	EXPAGHC15-1-12
724	34		4	1	0	2	2	3	0	0	0		2	2			3				0		0.009	0.007	EXPAGHC15-1-12
729	34		4	2	0	2	2	3	0	0	0		4	2			2			55	0		0.006	0.007	EXPAGHC15-1-12
734	34		4	2	0	3	2	3	0	0	0		5	2			0			55	0		0.007	0.005	EXPAGHC15-1-12
739	42	grades back into heterolithic microbreccia, indistinct, altered clasts	4	3	0	2	2	3	0	0	0	specularite flooding in matrix, potassic alteration overprinting oxides along frx	4	2	10		0			55	0		0.010	0.010	EXPAGHC15-1-12
744	42		3	3	0	3	2	3	0	0	0		5	3			0			55	0		0.022	0.024	EXPAGHC15-1-13
749	34	undifferentiated porphyritic phonolite as above	3	3	0	3	2	3	0	0	0		5	3	10		0			55	0		0.007	0.007	EXPAGHC15-1-13
754	34		3	4	0	3	2	3	0	0	0	specularite and ocher limonite forming leisegang banding patterns throughout	5	3			0			55	2	bright yellow, powdery mineral on frx surfaces as a crust -- alunite or jarosite?	0.009	0.009	EXPAGHC15-1-13
759	42		3	4	0	3	2	3	0	0	0		5	3	10		0			55	1		0.009	0.009	EXPAGHC15-1-13
764	42		4	2	0	3	2	4	0	0	0		2	3	10		2				0		0.015	0.013	EXPAGHC15-1-13
769	42		3	4	0	2	2	4	0	0	0		5	3			0				0		0.012	0.013	EXPAGHC15-1-13

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1	Collar Azimuth: 275.97	Collar Inclination: -89.44	:	Hole Length: 3875.00
northsouth_decimal: 60749.453	eastwest_decimal: 37812.439	elevation: 10364.543	Print Page 10 of 46	

HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	spessartine	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	Oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
769	42		3	4	0	2	2	4	0	0	0		5	3			0				0		0.012	0.013	EXPAGHC15-1-13
774	42		4	3	0	3	2	4	0	0	0		4	2			0				0		0.017	0.015	EXPAGHC15-1-13
779	34	extremely mottled texture, no discernable clasts, Tphu as above	4	0	0	3	2	4	0	0	0	potassic flooding prominent along frx with selvages 1-2 cm seeping into groundmass	1	3	10		2				0		0.007	0.005	EXPAGHC15-1-13
784	34		4	0	0	4	2	3	0	0	0		0	3			2				0		0.005	0.002	EXPAGHC15-1-13
789	34	frx very weakly healed w/ kaolinite, core breaks easily	3	0	0	4	3	3	0	0	0		0	3			3				0		0.009	0.005	EXPAGHC15-1-13
794	34	possible xenoliths, <1 cm, doesnt look like breccia overall	3	0	0	4	3	4	0	0	0	alteration/bleaching looks zoned, stronger in some areas, very irregular	0	3			3				0		0.005	0.002	EXPAGHC15-1-14
799	34		3	0	0	4	3	4	0	0	0	py replacing lath-shaped phenos--possibly relict mafics	0	3			3				0		0.007	0.003	EXPAGHC15-1-14
804	34		3	0	0	3	3	3	0	0	0		2	2		800-851' patchy Fe ox, reddish-brown	2			55	0	0.007	0.006	EXPAGHC15-1-14	
809	34		3	0	0	2	2	3	0	0	0		4	2		oxide healed frx	2			55	0	0.008	0.007	EXPAGHC15-1-14	
814	34		3	0	0	3	2	3	0	0	0		2	2			3				0		0.007	0.005	EXPAGHC15-1-14
819	34		3	0	0	3	2	3	0	0	0		2	3			2				0		0.004	0.002	EXPAGHC15-1-14
824	34		3	0	0	4	2	3	0	0	0		0	3			1				0		0.006	0.003	EXPAGHC15-1-14
829	34		3	0	0	3	2	3	0	0	0		2	3			2			55	0	0.006	0.004	EXPAGHC15-1-14	
834	34	no distinct texture, blotchy, mottled groundmass	3	1	0	2	2	3	0	0	0		3	2			1			55	0	0.007	0.005	EXPAGHC15-1-14	
839	34		3	1	0	4	2	3	0	0	0	wht kaolinite coating frx surfaces, minor slickensides	2	3			1				0		0.009	0.007	EXPAGHC15-1-14
844	42	back into heterolithic microbreccia, possibly glancing along the contact, angular clasts	3	1	0	2	1	3	0	0	0		5	3	10	patchy oxidation, almost leisegang banding	0			55	0	0.006	0.005	EXPAGHC15-1-15	
849	42		3	1	0	1	1	3	0	0	0	pock-marked texture - dissolution of sulfides replaced w/ Fe oxide	5	3			0			55	1	0.008	0.007	EXPAGHC15-1-15	
854	34	cuts back to poorly-differentiated phonolite, weakly porphyritic	2	1	0	1	1	3	0	0	0		1	3	10	852' Fe ox cuts off sharply past this depth	1			55	1	0.006	0.005	EXPAGHC15-1-15	

Scale 1:180	July 01, 2015	11:47 AM

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1		Collar Azimuth: 275.97		Collar Inclination: -89.44		:	Hole Length: 3875.00	
northsouth_decimal: 60749.453		eastwest_decimal: 37812.439		elevation: 10364.543			Print Page 11 of 46	

HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	epidolite	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
859	34		3	0	0	3	2	3	0	0	0		0	3			3				0	moderate replacement of feldspars (?) w/ pyrite, occurring in blotchy clusters, vfg	0.006	0.004	EXPAGHC15-1-15
864	34	weak flow banding around xenoliths (likely breccia xenoliths, but texture is overprinted)	2	0	0	3	2	4	0	0	0		0	3			3				0		0.008	0.006	EXPAGHC15-1-15
869	34		2	0	0	3	2	4	0	0	0		0	3			3				0		0.008	0.005	EXPAGHC15-1-15
874	34		2	0	0	3	2	4	0	0	0		0	3			2				0		0.009	0.006	EXPAGHC15-1-15
879	34		2	0	0	3	2	3	0	0	0		0	3			1				0		0.009	0.005	EXPAGHC15-1-15
884	34		3	0	0	3	2	3	0	0	0		0	3			2				0		0.006	0.004	EXPAGHC15-1-15
889	34		3	0	0	3	2	3	0	0	0		0	3			2				0		0.008	0.004	EXPAGHC15-1-15
894	34		3	0	0	3	2	3	0	0	0		0	3			3				0		0.007	0.004	EXPAGHC15-1-16
899	34		3	0	0	4	2	3	0	0	0		0	3			3				0		0.005	0.003	EXPAGHC15-1-16
904	34		3	0	0	4	2	3	0	0	0		0	3			2				0		0.007	0.004	EXPAGHC15-1-16
909	34		3	0	0	3	2	4	0	0	0		0	3			4				0		0.009	0.005	EXPAGHC15-1-16
914	34	brecciated zone - late stage, cemented w/ kaolinite	3	0	0	3	2	4	0	0	0		0	3			4				0		0.008	0.004	EXPAGHC15-1-16
919	34		3	0	0	3	2	4	0	0	0		0	3			3				0		0.009	0.004	EXPAGHC15-1-16
924	34		3	0	0	4	2	4	0	0	0		0	3			3				0		0.018	0.009	EXPAGHC15-1-16
929	34	stockwork frx; texture overprinted, weak xenoliths	3	0	0	4	3	4	0	0	0		0	3			3				0		0.017	0.009	EXPAGHC15-1-16
934	34		3	0	0	3	3	3	0	0	0		0	3			2				0		0.008	0.005	EXPAGHC15-1-16
939	34		3	0	0	3	3	3	0	0	4	prominent zones of green-brown biotite alteration, vfg, associated w/ pyrite	0	3			3				0		0.012	0.008	EXPAGHC15-1-16

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1		Collar Azimuth: 275.97		Collar Inclination: -89.44		:	Hole Length: 3875.00	
northsouth_decimal: 60749.453		eastwest_decimal: 37812.439		elevation: 10364.543			Print Page 12 of 46	

HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	serpentine	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	Oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
939	34		3	0	0	3	3	3	0	0	4	biotite alteration, vld. associated w/ Bvite	0	5			3				0		0.008	0.004	EXPAGHC15-1-16
944	34		3	0	0	3	3	3	0	0	4		0	5			3				0		0.008	0.004	EXPAGHC15-1-17
949	34		3	0	0	3	3	2	0	0	3		0	5			3				0		0.011	0.007	EXPAGHC15-1-17
954	34		3	0	0	4	3	2	0	0	4		0	5			3				0		0.009	0.007	EXPAGHC15-1-17
959	34		2	0	0	4	3	2	0	0	3		0	5			3				0		0.009	0.006	EXPAGHC15-1-17
964	34	minor flow banding?	2	0	0	3	3	2	0	0	4		0	5			3				0	finely disseminated biotite (secondary)	0.024	0.020	EXPAGHC15-1-17
969	34		2	0	0	3	2	2	0	0	4		0	5			2				0		0.012	0.009	EXPAGHC15-1-17
974	34		2	0	0	3	2	2	0	0	3		0	5			2				0		0.005	0.003	EXPAGHC15-1-17
979	34		2	0	0	3	2	2	0	0	3		0	5			2				0		0.006	0.005	EXPAGHC15-1-17
984	42	grades back into extremely altered heterolithic microbreccia, angular clasts	3	0	0	4	2	2	0	0	3		0	5	10		3				0		0.006	0.004	EXPAGHC15-1-17
989	42		3	0	0	4	2	2	0	0	4		0	5			3				0		0.006	0.003	EXPAGHC15-1-17
994	42		3	0	0	4	3	3	0	0	0		0	5			2				0		0.005	0.003	EXPAGHC15-1-18
999	42		3	0	0	4	3	3	0	0	0		0	5			2				0		0.006	0.004	EXPAGHC15-1-18
1004	42		3	0	0	3	3	3	0	0	4		0	5			3				0		0.002	0.001	EXPAGHC15-1-18
1009	42		3	0	0	4	3	2	0	0	0		0	5			3				0		0.002	0.001	EXPAGHC15-1-18
1014	42		3	0	0	3	3	2	0	0	0		0	5			3				0		0.003	0.001	EXPAGHC15-1-18
1019	42		3	0	0	4	3	3	0	0	0		0	5			2				0		0.006	0.003	EXPAGHC15-1-18
1024	42		3	0	0	4	3	3	0	0	0	wht kaolinite frx fill throughout	0	3			2				0		0.008	0.004	EXPAGHC15-1-18
1029	42		2	0	0	2	2	2	0	0	0		0	2			2				0		0.007	0.004	EXPAGHC15-1-18

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1		Collar Azimuth: 275.97		Collar Inclination: -89.44		:	Hole Length: 3875.00	
northsouth_decimal: 60749.453		eastwest_decimal: 37812.439		elevation: 10364.543			Print Page 13 of 46	

HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	spionite	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
1029	42		3	0	0	2	2	3	0	0	0		0	3			2				0		0.007	0.004	EXPAGHC15-1-18
1034	42		4	0	0	2	2	2	0	0	15	pervasive secondary biotite throughout, forming rims around clasts	0	3			3				0		0.005	0.003	EXPAGHC15-1-18
1039	42		4	0	0	3	3	3	0	0	12		0	3			3				0		0.006	0.003	EXPAGHC15-1-18
1044	42		4	0	0	2	2	3	0	0	13		0	3			2				0		0.005	0.003	EXPAGHC15-1-19
1049	42		5	0	0	2	2	2	0	0	15		0	3			3				0		0.004	0.003	EXPAGHC15-1-19
1054	42	patchy, mottled breccia as above, clasts are overprinted by biotite + argillic alteration	4	0	0	3	3	2	0	0	15		0	2			3				0		0.003	0.003	EXPAGHC15-1-19
1059	42		3	0	0	3	3	2	0	0	15		0	3			3				1	tr alunite?	0.003	0.001	EXPAGHC15-1-19
1064	42	matrix is extremely grainy; larger 'clasts' may actually be alteration (alteration pseudobreccia)	4	0	0	3	3	3	0	0	13	zoned biotite + pyrite alteration resembles clasts	0	3			3				0		0.003	0.002	EXPAGHC15-1-19
1069	42		3	0	0	3	2	4	0	0	12		0	3			3				0		0.004	0.002	EXPAGHC15-1-19
1074	42		3	0	0	3	2	4	0	0	11		0	3			3				0		0.003	0.001	EXPAGHC15-1-19
1079	42	very friable	3	0	0	3	3	4	0	0	0		0	3			3				0		0.003	0.001	EXPAGHC15-1-19
1084	36	indistinct contact to mafic phonolite, lath-shaped to acicular black xls (hornblende?) + biotite	3	0	0	3	3	2	0	0	15		0	3	10		3				0		0.005	0.003	EXPAGHC15-1-19
1089	36	mixed mafic phonolite to breccia 2:1 ratio	3	0	0	3	2	2	0	0	15		0	3			3				0		0.005	0.002	EXPAGHC15-1-19
1094	34	grades into mottled phonolite, no distinct phenocrysts or clasts	3	0	0	3	3	3	0	0	11		0	3	10		3				0		0.004	0.002	EXPAGHC15-1-20
1099	34		3	0	0	3	3	4	0	0	0		0	3			2				0		0.004	0.001	EXPAGHC15-1-20
1104	34		3	0	0	4	3	4	0	0	0		0	3			3				0		0.003	0.001	EXPAGHC15-1-20
1109	34		3	0	0	4	3	4	0	0	0		0	3			4				0		0.004	0.002	EXPAGHC15-1-20
1114	42	back to a more distinct heterolithic breccia	3	0	0	4	3	3	0	0	0	pyrite replacing clasts	0	3	10		4				0		0.002	0.001	EXPAGHC15-1-20

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1	Collar Azimuth: 275.97	Collar Inclination: -89.44	:	Hole Length: 3875.00
northsouth_decimal: 60749.453	eastwest_decimal: 37812.439	elevation: 10364.543	Print Page 14 of 46	

HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	spessartine	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	Oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
1114	42	back to a more distinct, heterolithic breccia	3	0	0	4	3	3	0	0	0	pyrite replacing clasts	0	3	10		4				0		0.002	0.001	EXPAGHC15-1-20
1119	42	decomposed, friable rock	3	0	0	3	3	3	0	0	0		0	5			4				0	pyrite + kaolinite veinlets throughout	0.003	0.001	EXPAGHC15-1-20
1124	42		3	0	0	3	2	3	0	0	0		0	3			3				0		0.003	0.001	EXPAGHC15-1-20
1129	42		3	0	0	3	2	3	0	0	0		0	3			3				0		0.002	0.001	EXPAGHC15-1-20
1134	42		4	0	0	3	3	4	0	0	0		0	3			3				0		0.004	0.001	EXPAGHC15-1-20
1139	42		3	0	0	2	2	5	0	0	0	extremely bleached, has a 'leopard print' texture with rounded clasts replaced w/ py + med gry felds	0	2			3				0		0.005	0.003	EXPAGHC15-1-20
1144	42		3	0	0	2	2	5	0	0	0		0	3			3				0		0.003	0.001	EXPAGHC15-1-21
1149	42		3	0	0	3	2	5	0	0	0		0	5			3				0		0.002	0.001	EXPAGHC15-1-21
1154	42		4	0	0	3	2	4	0	0	0		0	5			3				0		0.003	0.001	EXPAGHC15-1-21
1159	42		4	0	0	3	2	4	0	0	0		0	5			2				0		0.005	0.002	EXPAGHC15-1-21
1164	42		3	0	0	3	3	4	0	0	0		0	5			3				0		0.004	0.002	EXPAGHC15-1-21
1169	42	1169-1435' extremely broken up, friable, decomposed rock, no competency	3	0	0	4	3	4	0	0	0		0	5			3				0		0.007	0.004	EXPAGHC15-1-21
1174	42	fault zone past this depth? rock crumbles to the touch. gravely/sandy in places throughout	3	0	0	4	3	4	0	0	0		0	5			3				0		0.003	0.002	EXPAGHC15-1-21
1179	42		3	0	0	3	3	4	0	0	0		0	5			3				0		0.005	0.003	EXPAGHC15-1-21
1184	42		3	0	0	3	3	4	0	0	0		0	5			3				0		0.003	0.002	EXPAGHC15-1-21
1189	42		3	0	0	3	3	3	0	0	0		0	5			3				0		0.002	0.001	EXPAGHC15-1-21
1194	42		3	0	0	3	2	3	0	0	0		0	5			3				0		0.003	0.002	EXPAGHC15-1-22
1199	42		3	0	0	4	3	3	0	0	0		0	5			2				0		0.003	0.001	EXPAGHC15-1-22

Cripple Creek-Victor Gold Mining Company																																			
Hole Name: GHC15-1			Collar Azimuth: 275.97					Collar Inclination: -89.44					:			Hole Length: 3875.00																			
northsouth_decimal: 60749.453				eastwest_decimal: 37812.439					elevation: 10364.543								Print Page 15 of 46																		
HOLE_ASSAY_SAMPLE																																			
depth_to	RockType	Lithology_Comment	potassic	spessartine	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	Oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER										
1199	42		3	0	0	4	3	3	0	0	0		0	5			2				0		0.003	0.001	EXPAGHC15-1-22										
1204	42	texture completely obliterated, no discernable structures or features	3	0	0	4	3	4	0	0	0		0	5			3				0		0.003	0.001	EXPAGHC15-1-22										
1209	42	core is held in shape by drilling muds, but crumbles/breaks apart when handled	3	0	0	4	3	4	0	0	0	strong to pervasive bleaching throughout, strong clay alteration makes core soft	0	5			3				0	pyrite replacement throughout, veins occasionally	0.003	0.002	EXPAGHC15-1-22										
1214	42		3	0	0	4	3	4	0	0	0		0	5			3				0		0.007	0.004	EXPAGHC15-1-22										
1219	42		3	0	0	4	3	4	0	0	0		0	5			3				0		0.006	0.004	EXPAGHC15-1-22										
1224	42		3	0	0	4	3	4	0	0	0		0	5			3				0		0.005	0.002	EXPAGHC15-1-22										
1229	42		3	0	0	4	3	4	0	0	0		0	5			3				0		0.004	0.003	EXPAGHC15-1-22										
1234	42		3	0	0	4	3	5	0	0	0		0	5			3				0		0.005	0.003	EXPAGHC15-1-22										
1239	42	weakly heterolithic, most clasts replaced by clays + pyrite	3	0	0	4	3	5	0	0	0		0	5			3				0		0.010	0.005	EXPAGHC15-1-22										
1244	42	tr mafic porphyritic phonolite clasts (hornblend dominant?)	3	0	0	4	3	4	0	0	0		0	5			3				0		0.008	0.004	EXPAGHC15-1-23										
1249	42	1248-1251' core has distinct light purple color due to disseminated fluorite flooding in matrix	4	0	0	4	3	5	0	0	0	very fine grained, disseminated purple fluorite in matrix	0	5			3			41	0	41= fluorite clusters/clots	0.005	0.002	EXPAGHC15-1-23										
1254	42		4	0	0	4	4	5	0	0	0	disseminated fluorite as above	0	5			3			41	0		0.002	0.001	EXPAGHC15-1-23										
1259	42		4	0	0	4	4	3	0	0	0		0	5			3			41	0		0.004	0.002	EXPAGHC15-1-23										
1264	42		4	0	0	4	4	3	0	0	0		0	5			3			41	0		0.004	0.003	EXPAGHC15-1-23										
1269	42	1264-1264.5' vein of hydrothermal breccia w/ clay (kaolinite) cement	4	0	0	4	4	3	0	0	0		0	5			3				0		0.003	0.002	EXPAGHC15-1-23										
1274	22	~1272-1277' med-dark gray aphanitic phonolite dike cuts through	4	0	0	2	3	3	0	0	0		0	3			1				0	greenish staining rarely on clasts, possible Cu oxide?	0.002	0.001	EXPAGHC15-1-23										
1279	22		4	0	0	2	3	3	0	0	0		0	3			1				0		0.001	0.001	EXPAGHC15-1-23										
1284	42	1279-1281' very fine disseminated fluorite	3	0	0	3	4	4	0	0	0		0	5			3				0	greenish-blue stain, similar to above, on rare clasts,	0.007	0.005	EXPAGHC15-1-23										
Scale 1:180																	July 01, 2015										11:47 AM								

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1	Collar Azimuth: 275.97	Collar Inclination: -89.44	:	Hole Length: 3875.00
northsouth_decimal: 60749.453	eastwest_decimal: 37812.439	elevation: 10364.543	Print Page 16 of 46	

HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	spessartine	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
1284	42	1279-1281" very fine disseminated fluorite as above, gives core a light purple color	3	0	0	3	4	4	0	0	0		0	3			3				0	greenish-blue stain, similar to above, on rare clasts, looks like Cu oxide	0.007	0.005	EXPAGHC15-1-23
1289	42		3	0	0	5	4	4	0	0	0		0	3			3				0		0.009	0.007	EXPAGHC15-1-23
1294	42		3	0	0	5	4	4	0	0	0		0	3			3				0		0.001	0.002	EXPAGHC15-1-24
1299	42		3	0	0	3	3	4	0	0	0		0	3			5				0	pervasive replacement of clasts w/ pyrite	0.002	0.001	EXPAGHC15-1-24
1304	42		3	0	0	4	4	5	0	0	0		0	3			5				0		0.003	0.002	EXPAGHC15-1-24
1309	42		4	0	0	4	4	5	0	0	0		0	3			5				0		0.001	0.001	EXPAGHC15-1-24
1314	42		4	0	0	4	4	5	0	0	0		0	3			5				0		0.001	0.001	EXPAGHC15-1-24
1319	42		4	0	0	4	4	5	0	0	0		0	3			5				0		0.001	0.001	EXPAGHC15-1-24
1324	42		4	0	0	4	3	4	0	0	0		0	3			4				0		0.001	0.001	EXPAGHC15-1-24
1329	42		4	0	0	4	3	4	0	0	0		0	3			4				0		0.001	0.001	EXPAGHC15-1-24
1334	42		4	0	0	4	3	4	0	0	0		0	3			5				0		0.002	0.002	EXPAGHC15-1-24
1339	42		3	0	0	4	3	5	0	0	0		0	3			3				0		0.001	0.001	EXPAGHC15-1-24
1344	42	some angular clasts, clasts within clasts, heterolithic	4	0	0	4	4	3	0	0	0		0	3			3				0		0.001	0.001	EXPAGHC15-1-25
1349	42		4	0	0	3	4	4	0	0	0		0	3			3				0		0.001	0.001	EXPAGHC15-1-25
1354	42		4	0	0	3	4	4	0	0	0		0	3			3				0		0.002	0.002	EXPAGHC15-1-25
1359	42		4	0	0	3	4	5	0	0	0	occasional pieces of core are competent, but stockwork frx and alteration cause the core to crumble	0	3			5				0	1357.6' pyrite vein, 3-4 cm thick	0.002	0.001	EXPAGHC15-1-25
1364	42		4	0	0	3	3	4	0	0	0		0	3			3				0		0.001	0.001	EXPAGHC15-1-25
1369	42		3	0	0	3	3	4	0	0	0		0	3			3				0		0.001	0.001	EXPAGHC15-1-25

Cripple Creek-Victor Gold Mining Company																									
Hole Name: GHC15-1			Collar Azimuth: 275.97					Collar Inclination: -89.44					:			Hole Length: 3875.00									
northsouth_decimal: 60749.453			eastwest_decimal: 37812.439					elevation: 10364.543							Print Page 17 of 46										
HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	serpentine	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	Oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
1369	42		3	0	0	3	3	4	0	0	0		0	3			3				0		0.001	0.001	EXPAGHC15-1-25
1374	42		3	0	0	3	3	4	0	0	0		0	3			3				0		0.001	0.001	EXPAGHC15-1-25
1379	42	moderate fault gouge, very sandy, decomposed	3	0	0	3	4	5	0	0	0		0				4				0		0.002	0.001	EXPAGHC15-1-25
1384	42		4	0	0	3	4	4	0	0	0		0	3			2				0	tr magnetite	0.003	0.003	EXPAGHC15-1-25
1389	42		4	0	0	3	4	4	0	0	0		0	3			3				0		0.002	0.001	EXPAGHC15-1-25
1394	42		3	0	0	3	4	4	0	0	0		0	3			4				0	pyrite strongly concentrated along frx	0.002	0.002	EXPAGHC15-1-26
1399	38	Porphyritic phonolite, range of phenocryst sizes 1 mm - 1 cm, wht, subhedral, no clasts observed	4	0	0	3	3	3	0	0	0		0	3	10		2				0		0.001	0.001	EXPAGHC15-1-26
1404	38		4	0	0	2	3	3	0	0	0		0	3			2			41	0	41=tr-weak purple fluorite	0.001	0.001	EXPAGHC15-1-26
1409	42		3	0	0	3	3	3	0	0	0		0	3	10		3			41	0		0.003	0.001	EXPAGHC15-1-26
1414	42		3	0	0	3	3	3	0	0	0		0	3			3				0		0.002	0.001	EXPAGHC15-1-26
1419	42		3	0	0	3	4	3	0	0	0		0	3			3			41	0		0.002	0.001	EXPAGHC15-1-26
1424	42		3	0	0	3	4	4	0	0	0		0	3			3			41	0		0.002	0.001	EXPAGHC15-1-26
1429	42		3	0	0	4	4	3	0	0	0	1424-1428' decomposing into greenish-brown clays	0	3			4			41	0		0.001	0.001	EXPAGHC15-1-26
1434	42		3	0	0	4	4	3	0	0	0		0	3			3				0		0.002	0.001	EXPAGHC15-1-26
1439	42		3	0	0	3	3	4	0	0	0		0	3			3				0		0.001	0.001	EXPAGHC15-1-26
1444	42	heterolithic breccia, large angular clasts up to 4 cm	3	0	0	3	3	4	0	0	0		0	3			3				0		0.001	0.001	EXPAGHC15-1-27
1449	42		3	0	0	2	3	3	0	0	0	tr pink-wht alteration occuring along planar structures assoc. with moderate	0	3			2				0		0.001	0.001	EXPAGHC15-1-27
1454	42		3	0	0	3	3	4	0	0	0		0	3			3			41	0		0.002	0.001	EXPAGHC15-1-27
Scale 1:180										July 01, 2015										11:47 AM					

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1		Collar Azimuth: 275.97			Collar Inclination: -89.44		:	Hole Length: 3875.00		
northsouth_decimal: 60749.453		eastwest_decimal: 37812.439			elevation: 10364.543			Print Page 18 of 46		

HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	spinelite	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
1454	42		3	0	0	3	3	4	0	0	0	if pink-wht alteration occurring along planar structures assoc. with moderate dissolution 1-2 cm	0	5			3			41	0		0.002	0.001	EXPAGHC15-1-27
1459	42	slightly more competent core	3	0	0	3	2	3	0	0	0	same pink-wht alteration as above, planar, vein-like zone of alteration, 1-2 cm thick, trace	0	3			3			41	0		0.006	0.004	EXPAGHC15-1-27
1464	42		4	0	0	3	2	3	0	0	0		0	5			3			41	0		0.004	0.002	EXPAGHC15-1-27
1469	42	core is highly friable, fragments break apart to the touch, breccia as above	4	0	0	3	3	3	0	0	0		0	5			3			41	0		0.003	0.001	EXPAGHC15-1-27
1474	42		4	0	0	3	3	3	0	0	0		0	5			2			41	0		0.004	0.003	EXPAGHC15-1-27
1479	42		4	0	0	3	3	3	0	0	0	formation of pink-wht mineral above, hardness=~5, orthoclase/adularia, has 1 obsvd cleavage plane	0	5			4			41	0	rich euhedral pyrite intergrown with purple fluorite	0.004	0.003	EXPAGHC15-1-27
1484	42		4	0	0	3	3	3	0	0	0		0	5			4			41	0		0.003	0.001	EXPAGHC15-1-27
1489	42		4	0	0	3	3	3	0	0	0	pink-wht mineral as above-possibly rhodochrosite, but doesn't react to 10% HCl even when scratched	0	5			3			41	0		0.002	0.001	EXPAGHC15-1-27
1494	42		3	0	0	3	3	4	0	0	0		0	5			3				0		0.005	0.004	EXPAGHC15-1-28
1499	42		3	0	0	3	3	3	0	0	0		0	5			3				0	1499' greenish clay on frx surfaces - nontronite?	0.003	0.001	EXPAGHC15-1-28
1504	42	core is decomposed into sandy/gravelly clay	2	0	0	5	5	5	0	0	0		0				3				0		0.003	0.001	EXPAGHC15-1-28
1509	42		3	0	0	4	4	5	0	0	0		0				3				0		0.003	0.001	EXPAGHC15-1-28
1514	42		3	0	0	4	4	4	0	0	0		0	5			3				0		0.003	0.003	EXPAGHC15-1-28
1519	42		3	0	0	5	5	4	0	0	0		0				4				0	60=galena, rare cubic galena associated w/ pyrite	0.001	0.001	EXPAGHC15-1-28
1524	42		2	0	0	4	4	4	0	0	0		0	5			4		41	0	41=vfg disseminated purple fluorite	0.003	0.001	EXPAGHC15-1-28	
1529	42	extremely friable	2	0	0	3	3	3	0	0	0		0	5			4				0	tr cubic galena	0.002	0.001	EXPAGHC15-1-28
1534	42		2	0	0	3	4	3	0	0	0	1532-1534' sericite mixed with fluorite?	0	5			4		41	0		0.002	0.001	EXPAGHC15-1-28	
1539	42		2	0	0	3	4	3	0	0	0		0	5			4		41	0		0.002	0.001	EXPAGHC15-1-28	

Cripple Creek-Victor Gold Mining Company																										
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northsouth_decimal: 60749.453					eastwest_decimal: 37812.439							elevation: 10364.543										Print Page 19 of 46				
HOLE_ASSAY_SAMPLE																										
depth_to	RockType	Lithology_Comment	potassic	spessartine	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	Oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER	
1539	42		2	0	0	3	4	3	0	0	0		0	5			4			41	0		0.002	0.001	EXPAGHC15-1-28	
1544	42		2	0	0	3	4	3	0	0	0		0	5			4				0		0.001	0.001	EXPAGHC15-1-29	
1549	42		2	0	0	3	4	3	0	0	0		0	5			4				0	60=galena intergrown w/ pyrite	0.002	0.002	EXPAGHC15-1-29	
1554	42		2	0	0	3	4	4	0	0	0		0	5			4				0		0.002	0.001	EXPAGHC15-1-29	
1559	42		2	0	0	3	4	4	0	0	0		0	5			4				0		0.003	0.002	EXPAGHC15-1-29	
1564	42		2	0	0	2	4	4	0	0	0		0	5			4				0		0.002	0.002	EXPAGHC15-1-29	
1569	42		3	0	0	2	4	4	0	0	0		0	5			4				0		0.003	0.001	EXPAGHC15-1-29	
1574	42		3	0	0	2	4	4	0	0	0		0	5			3				0		0.003	0.001	EXPAGHC15-1-29	
1579	42		3	0	0	3	4	4	0	0	0		0	5			4				0		0.013	0.008	EXPAGHC15-1-29	
1584	42		2	0	0	4	4	3	0	0	0		0	5			3				0		0.012	0.011	EXPAGHC15-1-29	
1589	42		4	0	0	3	4	4	0	0	0		0	5			4				0		0.003	0.001	EXPAGHC15-1-29	
1594	42		4	0	0	3	3	3	0	0	0		0	5			3				0		0.002	0.001	EXPAGHC15-1-30	
1599	42		3	0	0	3	3	3	0	0	0	1596' nontronite veinlet? 1 cm thick, light green clay	0	5			3				0		0.001	0.001	EXPAGHC15-1-30	
1604	42		3	0	0	2	3	3	0	0	0		0	5			3				0		0.003	0.002	EXPAGHC15-1-30	
1609	42		4	0	0	3	3	3	0	0	0		0	5			3				0		0.004	0.002	EXPAGHC15-1-30	
1614	42	heterolithic microbreccia, occasional angular clasts 3-4 cm	4	0	0	3	3	3	0	0	0		0	5			3				0		0.002	0.002	EXPAGHC15-1-30	
1619	42		3	0	0	4	4	3	0	0	0	mixed clays and sericite	0	5			3				0		0.005	0.002	EXPAGHC15-1-30	
1624	42		2	0	0	4	4	3	0	0	0		0	5			3				0		0.005	0.003	EXPAGHC15-1-30	
Scale 1:180											July 01, 2015											11:47 AM				

Cripple Creek-Victor Gold Mining Company																										
Hole Name: GHC15-1			Collar Azimuth: 275.97						Collar Inclination: -89.44						:			Hole Length: 3875.00								
northsouth_decimal: 60749.453				eastwest_decimal: 37812.439						elevation: 10364.543										Print Page 20 of 46						
HOLE_ASSAY_SAMPLE																										
depth_to	RockType	Lithology_Comment	potassic	spessartine	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	Oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER	
1624	42		2	0	0	4	4	3	0	0	0		0	3			3				0		0.005	0.003	EXPAGHC15-1-300	
1629	42		2	0	0	3	3	3	0	0	0		0	3			4			41	0	very euhedral, cubic pyrite throughout	0.004	0.004	EXPAGHC15-1-301	
1634	42		3	0	0	3	3	3	0	0	0		0	3			4			41	0	cubic galena	0.010	0.007	EXPAGHC15-1-302	
1639	42		2	0	0	3	3	3	0	0	0		0	3			3			41	0		0.048	0.041	EXPAGHC15-1-303	
1644	42		3	0	0	3	3	3	0	0	0		0	3			4				0		0.003	0.002	EXPAGHC15-1-310	
1649	42		3	0	0	4	3	4	0	0	0		0	3			4			41	1	tr gypsum	0.005	0.004	EXPAGHC15-1-311	
1654	42	very mottled texture, clasts partially fused into matrix and hard to differentiate	3	0	0	3	3	4	0	0	0	clasts being replaced w/ vfg pyrite	0	3			4			41	1		0.001	0.001	EXPAGHC15-1-312	
1659	42		3	0	0	3	3	4	0	0	0		0	3			4			41	1		0.003	0.002	EXPAGHC15-1-313	
1664	42		2	0	0	4	3	4	0	0	0		0	3			3				0		0.002	0.001	EXPAGHC15-1-314	
1669	42		2	0	0	4	3	4	0	0	0		0	3			4				0		0.001	0.001	EXPAGHC15-1-315	
1674	42		2	0	0	4	4	5	0	0	0	extremely decomposed rock, original texture overprinted with argillic alt and pyrite replacement	0	3			5				0	pervasive vfg pyrite replacement	0.001	0.001	EXPAGHC15-1-316	
1679	42	joint/frx set is perpendicular to core axis, high density, 1-3 cm frequency	3	0	0	3	4	5	0	0	0		0	3			4				0		0.001	0.001	EXPAGHC15-1-317	
1684	38	porphyritic phonolite, same as at 1394-1404'	2	0	0	2	3	5	0	0	0		0	3	10		4				0		0.001	0.001	EXPAGHC15-1-318	
1689	42		2	0	0	2	3	5	0	0	0		0	3			5			41	0		0.001	0.001	EXPAGHC15-1-319	
1694	42		2	0	0	3	4	5	0	0	0		0	3			5			41	2	terminated gypsum blades forming in frx	0.001	0.001	EXPAGHC15-1-320	
1699	42		2	0	0	3	4	5	0	0	0		1	3		tr Fe ox	5			41	2		0.001	0.001	EXPAGHC15-1-321	
1704	42		2	0	0	3	4	5	0	0	0	pyrite has a purple tarnish	1	3			5			41	2		0.007	0.002	EXPAGHC15-1-322	
1709	42		2	0	0	3	4	5	0	0	0		1	3			5			41	2		0.002	0.001	EXPAGHC15-1-323	
Scale 1:180											July 01, 2015											11:47 AM				

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1	Collar Azimuth: 275.97	Collar Inclination: -89.44	:	Hole Length: 3875.00
northsouth_decimal: 60749.453	eastwest_decimal: 37812.439	elevation: 10364.543	Print Page 21 of 46	

HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	spinelite	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
1709	42		2	0	0	3	4	5	0	0	0		1	3			5			41	2		0.002	0.001	EXPAGHC15-1-32
1714	42		2	0	0	3	4	5	0	0	0		1	3			5			52	4	52=coarse, euhedral gypsum frx fill throughout	0.001	0.001	EXPAGHC15-1-32
1719	42	decomposed core as above, late-stage gypsum crystallization in veins/frx 1-2 cm thick	2	0	0	3	4	5	0	0	0		0	3			5			52	5	frx-fill gypsum acting as cement	0.001	0.001	EXPAGHC15-1-32
1724	42		2	0	0	3	4	5	0	0	0		0	3			5			52	5		0.002	0.001	EXPAGHC15-1-32
1729	42		3	0	0	3	3	5	0	0	0		0	3			5			52	4		0.004	0.002	EXPAGHC15-1-32
1734	42		3	0	0	3	3	5	0	0	0		0	3			4			52	4		0.002	0.002	EXPAGHC15-1-32
1739	42		4	0	0	3	3	4	0	0	0		0	3			3			52	3		0.002	0.001	EXPAGHC15-1-32
1744	42		4	0	0	3	3	4	0	0	0		0	3			4			41	3	vfg gypsum (selenite) associated w/ pyrite + fluorite	0.002	0.002	EXPAGHC15-1-33
1749	42		4	0	0	3	3	5	0	0	0		0	3			4			41	3		0.002	0.001	EXPAGHC15-1-33
1754	42		4	0	0	3	3	4	0	0	0		0	3			4			41	3		0.003	0.002	EXPAGHC15-1-33
1759	42		3	0	0	4	3	4	0	0	0		0	3			3			41	2		0.001	0.001	EXPAGHC15-1-33
1764	42	texture is very mottled, clasts are hard to differentiate	3	0	0	4	4	4	0	0	0		0	3			3				2		0.002	0.001	EXPAGHC15-1-33
1769	42		3	0	0	3	3	3	0	0	0		0	3			4				1		0.002	0.002	EXPAGHC15-1-33
1774	42		4	0	0	3	3	4	0	0	0		0	3			4				1		0.003	0.002	EXPAGHC15-1-33
1779	42		4	0	0	3	3	3	0	0	0		0	3			5				1		0.005	0.003	EXPAGHC15-1-33
1784	42		4	0	0	2	3	3	0	0	0		0	3			2			41	1		0.003	0.002	EXPAGHC15-1-33
1789	42	1786-1788' decomposed to clays	4	0	0	5	4	4	0	0	0		0				5				1		0.002	0.001	EXPAGHC15-1-33
1794	42		3	0	0	3	4	4	0	0	0		0	3			4				1		0.004	0.002	EXPAGHC15-1-34

Cripple Creek-Victor Gold Mining Company																														
Hole Name: GHC15-1				Collar Azimuth: 275.97								Collar Inclination: -89.44										Hole Length: 3875.00								
northsouth_decimal: 60749.453				eastwest_decimal: 37812.439								elevation: 10364.543										Print Page 22 of 46								
HOLE_ASSAY_SAMPLE																														
depth_to	RockType	Lithology_Comment	potassic	speculinite	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	Oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER					
1794	42		3	0	0	3	4	4	0	0	0		0	5			4				1		0.004	0.002	EXPAGHC15-1-34					
1799	42		3	0	0	3	5	4	0	0	0	1798-1799' sericite vein, 1-2 cm thick	0	5			3				0		0.006	0.004	EXPAGHC15-1-34					
1804	42		3	0	0	3	3	3	0	0	0		0	5			3				0		0.003	0.001	EXPAGHC15-1-34					
1809	42		3	0	0	2	3	3	0	0	0		0	5			3				0		0.003	0.001	EXPAGHC15-1-34					
1814	42		4	0	0	2	3	4	0	0	0		0	5			3			41	0		0.002	0.001	EXPAGHC15-1-34					
1819	42		4	0	0	2	3	4	0	0	0		0	5			3			41	0		0.003	0.001	EXPAGHC15-1-34					
1824	42		3	0	0	3	4	4	0	0	0		0	5			4			41	0		0.002	0.001	EXPAGHC15-1-34					
1829	42		4	0	0	3	4	3	0	0	0		0	5			3			41	0		0.003	0.001	EXPAGHC15-1-34					
1834	42		4	0	0	3	3	3	0	0	0		0	5			3			41	0		0.003	0.002	EXPAGHC15-1-34					
1839	42		4	0	0	3	3	3	0	0	0		0	5			3				0		0.002	0.001	EXPAGHC15-1-34					
1844	42	large clasts, 5-10 cm+, heterolithic, rock-flour matrix	4	0	0	3	3	4	0	2	0		0	5			3			23	0	23=carbonate vein @ 1842-1843', 0.5 cm thick, weak effervescence to 10% HCl	0.001	0.001	EXPAGHC15-1-35					
1849	42		4	0	0	2	2	2	0	0	12		0	5			2			52	2		0.004	0.003	EXPAGHC15-1-35					
1854	42		3	0	0	2	2	2	0	0	12		0	5			2				0	weak, vfg, disseminated biotite (secondary)	0.010	0.006	EXPAGHC15-1-35					
1859	33	hornblende phonolite dike, indistinct contact, rafted breccia fragments	2	0	0	1	2	2	0	1	15	bleached selvages around frx	0	5	10		2				0	tr carbonate	0.005	0.002	EXPAGHC15-1-35					
1864	42	cuts back to heterolithic breccia as above	3	0	0	4	4	4	0	0	0		0	5	10		2				0		0.004	0.002	EXPAGHC15-1-35					
1869	42		3	0	0	4	4	4	0	0	0		0	5			2				0		0.005	0.003	EXPAGHC15-1-35					
1874	42		3	0	0	3	3	4	0	0	0		0	5			2				0		0.003	0.001	EXPAGHC15-1-35					
1879	42		4	0	0	3	4	4	0	0	0		0	5			2				0		0.003	0.002	EXPAGHC15-1-35					
Scale 1:180										July 01, 2015										11:47 AM										

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1	Collar Azimuth: 275.97	Collar Inclination: -89.44	:	Hole Length: 3875.00
northsouth_decimal: 60749.453	eastwest_decimal: 37812.439	elevation: 10364.543	Print Page 23 of 46	

HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	spessartine	sulfidation	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
1879	42		4	0	0	3	4	4	0	0	0		0	5			2				0		0.003	0.002	EXPAGHC15-1-35
1884	42		3	0	0	3	5	4	0	0	0	sericite increasing, occurring in veins 1-3 cm thick	0	5			2				0		0.003	0.001	EXPAGHC15-1-35
1889	42		2	0	0	5	5	5	0	0	0		0	5			2				0		0.004	0.002	EXPAGHC15-1-35
1894	8	1888-1890' completely decomposed to clays + sericite (fault gouge?)	0	0	0	5	5	5	0	0	0		0				2				0		0.007	0.005	EXPAGHC15-1-36
1899	42		5	0	0	4	3	4	0	0	14	secondary biotite alteration mixed with massive adularia	0	5			2				0	1895-1896 pervasive secondary biotite	0.005	0.003	EXPAGHC15-1-36
1904	42		3	0	0	4	5	4	0	0	0		0	5			2				0		0.003	0.002	EXPAGHC15-1-36
1909	42		3	0	0	4	4	4	0	0	0		0	5			2				0		0.003	0.001	EXPAGHC15-1-36
1914	42		3	0	0	3	3	3	0	0	12		0	5			2				0		0.004	0.002	EXPAGHC15-1-36
1919	42		3	0	0	4	4	3	0	0	11		0	5			2				0		0.003	0.001	EXPAGHC15-1-36
1924	42		3	0	0	2	3	4	0	0	0		0	5			3				0		0.002	0.001	EXPAGHC15-1-36
1929	42		3	0	0	3	4	4	0	0	0		0	5			3				0	0.015	0.014	EXPAGHC15-1-36	
1934	42		4	0	0	3	4	3	0	0	12		0	5			3				0		0.009	0.006	EXPAGHC15-1-36
1939	42		4	0	0	3	3	3	0	0	12		0	5			3				0		0.006	0.003	EXPAGHC15-1-36
1944	42		3	0	0	2	2	3	0	0	12		0	5			3				0		0.005	0.002	EXPAGHC15-1-37
1949	42		3	0	0	2	2	3	0	0	12		0	5			2				1		0.006	0.003	EXPAGHC15-1-37
1954	42		3	0	0	2	2	3	0	0	11		0	5			2		52		2	52=gypsum (selenite)	0.004	0.002	EXPAGHC15-1-37
1959	42		3	0	0	2	2	3	0	0	11		0	5			2				1		0.006	0.004	EXPAGHC15-1-37
1964	42	1559-2208' extremely fractured, broken up rubble	3	0	0	2	2	3	0	0	0		0	5			3				1		0.003	0.001	EXPAGHC15-1-37

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1	Collar Azimuth: 275.97	Collar Inclination: -89.44	:	Hole Length: 3875.00
northsouth_decimal: 60749.453	eastwest_decimal: 37812.439	elevation: 10364.543	Print Page 24 of 46	

HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	spessartine	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
1964	42	1559-2208" extremelv fractured, broken u	3	0	0	2	2	3	0	0	0		0	5			3				1		0.003	0.001	EXPAGHC15-1-37
1969	42		3	0	0	1	2	3	0	0	0	pyrite + galena relacing clasts	0	5			3				0	60= vfg galena	0.016	0.012	EXPAGHC15-1-37
1974	42		3	0	0	2	2	3	0	0	0		0	5			3				0		0.005	0.003	EXPAGHC15-1-37
1979	42		3	0	0	2	2	3	0	0	13	patchy biotite alteration	0	5			3			52	2		0.006	0.002	EXPAGHC15-1-37
1984	42	thick, platy gypsum frx fill, euhedral xls up to 4 cm	3	0	0	1	2	3	0	0	0		0	3			3			52	5		0.005	0.001	EXPAGHC15-1-37
1989	42		3	0	0	3	3	4	0	0	0		0	5			3			52	5		0.003	0.001	EXPAGHC15-1-37
1994	42		3	0	0	2	2	3	0	0	0		0	5			3			52	4		0.003	0.001	EXPAGHC15-1-38
1999	42		3	0	0	2	2	3	0	0	0		0	5			3			52	4		0.005	0.003	EXPAGHC15-1-38
2004	42		3	0	0	3	3	3	0	0	0		0	5			3			52	3		0.004	0.002	EXPAGHC15-1-38
2009	42		3	0	0	3	3	4	0	0	0		0	5			3			52	3		0.009	0.007	EXPAGHC15-1-38
2014	42		4	0	0	2	3	4	0	0	0		0	5			3			52	4		0.004	0.003	EXPAGHC15-1-38
2019	42		3	0	0	3	3	5	0	0	0		0	5			3			52	3		0.003	0.002	EXPAGHC15-1-38
2024	42		4	0	0	2	3	5	0	0	0		0	5			4			52	2		0.004	0.002	EXPAGHC15-1-38
2029	42		3	0	0	3	3	4	0	0	0		0	5			3			52	1	60=trace vfg galena	0.004	0.003	EXPAGHC15-1-38
2034	42		3	0	0	2	3	4	0	0	0		0	5			3			52	2		0.001	0.001	EXPAGHC15-1-38
2039	42		2	0	0	4	3	5	0	0	0	extremely bleached, decomposed texture, relict clasts decomposed to clays	0	3			2			52	3		0.002	0.001	EXPAGHC15-1-38
2044	42		3	0	0	3	2	5	0	0	0		0	3			4			52	3		0.002	0.001	EXPAGHC15-1-39
2049	42		3	0	0	1	3	5	0	0	0		0	5			4			52	1		0.002	0.001	EXPAGHC15-1-39

Cripple Creek-Victor Gold Mining Company																											
Hole Name: GHC15-1				Collar Azimuth: 275.97				Collar Inclination: -89.44				:				Hole Length: 3875.00											
northsouth_decimal: 60749.453				eastwest_decimal: 37812.439				elevation: 10364.543										Print Page 25 of 46									
HOLE_ASSAY_SAMPLE																											
depth_to	RockType	Lithology_Comment	potassic	spessartine	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	Oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER		
2049	42		3	0	0	1	3	5	0	0	0		0	5			4			52	1		0.001	0.001	EXPAGHC15-1-39		
2054	42		3	0	0	3	3	5	0	0	0		0	5			4			52	1		0.001	0.001	EXPAGHC15-1-39		
2059	42		3	0	0	3	3	5	0	0	0		0	5			4			52	1		0.001	0.001	EXPAGHC15-1-39		
2064	42		3	0	0	3	3	5	0	0	0		0	5			4			52	1		0.003	0.001	EXPAGHC15-1-39		
2069	42		4	0	0	3	3	4	0	0	0		0	5			3			52	4		0.005	0.003	EXPAGHC15-1-39		
2074	42		3	0	0	4	4	5	0	0	0		0	5			4			52	4		0.003	0.003	EXPAGHC15-1-39		
2079	31	porphyritic phonolite dike	4	0	0	3	3	3	0	0	0		0	3	10		4			52	3		0.003	0.003	EXPAGHC15-1-39		
2084	31		4	0	0	2	2	3	0	0	0	secondary adularia forming in frx - salmon colored, euhedral	0	5			3			52	1		0.004	0.003	EXPAGHC15-1-39		
2089	42	2088-2089' gypsum vein	3	0	0	3	2	5	0	0	0		0	5			4			52	5		0.002	0.002	EXPAGHC15-1-39		
2094	42		3	0	0	3	2	5	0	0	0		0	5			3			52	3		0.002	0.003	EXPAGHC15-1-40		
2099	42		4	0	0	1	2	5	0	0	0		0	3			4				0		0.002	0.001	EXPAGHC15-1-40		
2104	42	fused, rock flour matrix, very difficult to distinguish clasts	3	0	0	1	2	5	0	0	0		0	5			4				0		0.003	0.002	EXPAGHC15-1-40		
2109	42		3	0	0	1	1	4	0	0	0		0	5			5				0		0.004	0.002	EXPAGHC15-1-40		
2114	42	2110-2113' decomosed entirely to clays +/- sericite	2	0	0	5	4	5	0	0	0		0	3			2				0		0.003	0.001	EXPAGHC15-1-40		
2119	42		3	0	0	3	3	4	0	0	0		0	2			2				0		0.001	0.001	EXPAGHC15-1-40		
2124	42		2	0	0	3	3	5	0	0	0	pervasive bleaching w/ pyrite +/- galena replacement	0	3			4				0		0.001	0.001	EXPAGHC15-1-40		
2129	42		3	0	0	4	4	4	0	0	0		0	5			4			52	5	platy gypsum as above	0.001	0.001	EXPAGHC15-1-40		
2134	42		4	0	0	2	2	4	0	0	0		0	5			3				3		0.002	0.001	EXPAGHC15-1-40		
Scale 1:180												July 01, 2015												11:47 AM			

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1	Collar Azimuth: 275.97	Collar Inclination: -89.44	:	Hole Length: 3875.00
northsouth_decimal: 60749.453	eastwest_decimal: 37812.439	elevation: 10364.543	Print Page 26 of 46	

HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	spessartine	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
2134	31	2138-2142' porphyritic phonolite dike cuts thru	4	0	0	2	2	3	0	0	0		0	5			4			52	3		0.003	0.001	EXPAGHC15-1-40
2139	31			4	0	0	2	2	3	0	0	0		0	5			3		52	2		0.002	0.001	EXPAGHC15-1-41
2144	31			4	0	0	1	2	4	0	0	0		0	5			4			0		0.008	0.005	EXPAGHC15-1-41
2149	42			4	0	0	3	3	5	0	0	0		0	5			4			0		0.006	0.004	EXPAGHC15-1-41
2154	42			4	0	0	2	2	5	0	0	0		0	5			3			0		0.005	0.003	EXPAGHC15-1-41
2159	42		4	0	0	2	2	5	0	0	0		0	5			4				0		0.006	0.003	EXPAGHC15-1-41
2164	42		3	0	0	1	2	5	0	0	0		0	5			4				0		0.006	0.003	EXPAGHC15-1-41
2169	42	mottled, blotchy texture	4	0	0	2	2	3	0	0	0		0	5			4				0		0.004	0.002	EXPAGHC15-1-41
2174	42		4	0	0	3	3	3	0	0	0		0	5			4				0		0.006	0.004	EXPAGHC15-1-41
2179	31	porphyritic phonolite dike as above	5	0	2	2	1	3	0	0	0	thin qtz veinlets occasionally, 1-2 mm	0	5			4				0		0.002	0.001	EXPAGHC15-1-41
2184	42		5	0	0	2	1	3	0	0	0		0	5			4				0		0.002	0.001	EXPAGHC15-1-41
2189	42		3	0	0	2	2	3	0	0	0		0	5			4			52	3		0.002	0.001	EXPAGHC15-1-41
2194	42		3	0	0	3	2	3	0	0	0		0	5			4			52	2		0.005	0.004	EXPAGHC15-1-42
2199	42		4	0	0	3	2	3	0	0	0		0	5			4			52	2	0.013	0.007	EXPAGHC15-1-42	
2204	42		4	0	0	2	2	3	0	0	0		0	5			4				1		0.009	0.006	EXPAGHC15-1-42
2209	42		4	0	0	2	2	3	0	0	0		0	5			4			52	3	0.029	0.025	EXPAGHC15-1-42	
2214	42		4	0	0	3	2	3	0	0	0		0	5			4			52	2	0.011	0.009	EXPAGHC15-1-42	
2219	42		4	0	0	3	2	3	0	0	0		0	5			4			52	2	0.005	0.003	EXPAGHC15-1-42	
2224	42	rock flow matrix - amphibolite - amphibolite - amphibolite	4	0	0	2	2	2	0	0	0		0	5			4			52	2	0.018	0.016	EXPAGHC15-1-42	

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1	Collar Azimuth: 275.97	Collar Inclination: -89.44	:	Hole Length: 3875.00
northsouth_decimal: 60749.453	eastwest_decimal: 37812.439	elevation: 10364.543	Print Page 27 of 46	

HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	spessartine	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
2224	42	rock-flour matrix, angular clasts common	4	0	0	3	2	3	0	0	0		0	3			4			52	3		0.018	0.016	EXPAGHC15-1-42
2229	42		3	0	0	2	2	4	0	0	0		0	3			5			53	5	53=euhedral, translucent gypsum veins (selenite)	0.007	0.005	EXPAGHC15-1-42
2234	42		3	0	0	2	2	4	0	0	0		0	3			5			52	4		0.004	0.003	EXPAGHC15-1-42
2239	42		4	0	0	2	2	4	0	0	0		0	3			5			53	5	selenite xls 2-5 cm	0.005	0.003	EXPAGHC15-1-42
2244	42		4	0	0	4	3	3	0	0	0		0	3			5			53	5	60=galena aggregates mixed w/ pyrite	0.007	0.005	EXPAGHC15-1-43
2249	42		3	0	0	3	2	3	0	0	0		0	3			5			53	5		0.004	0.002	EXPAGHC15-1-43
2254	42		3	0	0	3	2	5	0	0	0		0	3			5			52	3		0.006	0.002	EXPAGHC15-1-43
2259	42		3	0	0	3	2	5	0	0	0		0	3			5			53	5		0.007	0.005	EXPAGHC15-1-43
2264	42		3	0	0	3	2	5	0	0	0		0	3			5			52	5		0.013	0.012	EXPAGHC15-1-43
2269	42		3	0	0	2	2	5	0	0	0		0	3			4			52	5		0.005	0.004	EXPAGHC15-1-43
2274	42		3	0	0	2	3	5	0	0	0		0	3			5			52	4		0.011	0.008	EXPAGHC15-1-43
2279	31	Tphk dike, very mottled, phenos replaced w/ pyrite	3	0	0	3	3	5	0	0	0		0	3	10		5				1		0.003	0.001	EXPAGHC15-1-43
2284	42		4	0	0	2	2	5	0	0	0		0	3	10		5			53	4		0.005	0.004	EXPAGHC15-1-43
2289	42		4	0	0	2	2	5	0	0	0		0	3			5			53	5		0.003	0.002	EXPAGHC15-1-43
2294	42		4	0	0	2	1	4	0	0	0		0	3			5			53	4		0.003	0.001	EXPAGHC15-1-44
2299	42		4	0	0	2	1	5	0	0	0	clasts are replaced by pyrite throughout, very few original clasts remain	0	3			5			52	4		0.002	0.001	EXPAGHC15-1-44
2304	42		4	0	0	3	2	5	0	0	0		0	3			5			53	3		0.002	0.001	EXPAGHC15-1-44
2309	42		3	0	0	3	2	5	0	0	0		0	3			5			53	3		0.001	0.001	EXPAGHC15-1-44

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1	Collar Azimuth: 275.97	Collar Inclination: -89.44	:	Hole Length: 3875.00
northsouth_decimal: 60749.453	eastwest_decimal: 37812.439	elevation: 10364.543	Print Page 28 of 46	

HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	spessartine	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
2309	42		3	0	0	3	2	5	0	0	0		0	5			5			53	3		0.001	0.001	EXPAGHC15-1-44
2314	42		3	0	0	3	2	4	0	0	0		0	5			5			52	3		0.004	0.001	EXPAGHC15-1-44
2319	42		3	0	0	4	2	4	0	0	0		0	5			4				1		0.002	0.001	EXPAGHC15-1-44
2324		pervasively decomposed to clays, no original texture remains	1	0	3	5	5	5	0	0	0		0		10		5			52	5	terminated amethyst xls 3-6 mm, euhedral, purple	0.002	0.001	EXPAGHC15-1-44
2329	42		4	0	0	2	2	4	0	0	0		0	5			5				0		0.003	0.001	EXPAGHC15-1-44
2334	42		2	0	0	3	3	5	0	0	0		0	5			5			41	0		0.004	0.002	EXPAGHC15-1-44
2339	42		4	0	0	3	2	4	0	0	0		0	3			4				0		0.002	0.001	EXPAGHC15-1-44
2344	42		4	0	0	2	1	3	0	0	0		0	3			3			52	2		0.005	0.002	EXPAGHC15-1-45
2349	42		4	0	2	2	2	3	0	0	0	1-2 mm thick qtz veinlets	0	5			4			52	1		0.004	0.001	EXPAGHC15-1-45
2354	42		4	0	0	2	2	3	0	0	0		0	5			5			41	1		0.006	0.001	EXPAGHC15-1-45
2359	42		5	0	0	2	1	3	0	0	0		0	5			4				1		0.006	0.001	EXPAGHC15-1-45
2364	42		5	0	0	2	1	3	0	0	0		0	5			4				0		0.004	0.001	EXPAGHC15-1-45
2369	42		5	0	0	1	1	3	0	0	0		0	5			5				0		0.008	0.002	EXPAGHC15-1-45
2374	31	Tphk dike, moderate replacement of phenocrysts w/ pyrite	5	0	0	1	1	3	0	0	0		0	5	10		4				0		0.012	0.003	EXPAGHC15-1-45
2379	31		5	0	0	1	0	2	0	0	0		0	5			4				2		0.005	0.003	EXPAGHC15-1-45
2384	31		4	0	0	2	1	3	0	0	0		0	5			3			52	2		0.005	0.003	EXPAGHC15-1-45
2389	31		4	0	0	2	1	3	0	0	0		0	5			3			52	2		0.005	0.002	EXPAGHC15-1-45
2394	31		4	0	2	2	2	4	0	0	0	qtz veinlets	0	3			3			52	2		0.003	0.001	EXPAGHC15-1-46

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1	Collar Azimuth: 275.97	Collar Inclination: -89.44	:	Hole Length: 3875.00
northsouth_decimal: 60749.453	eastwest_decimal: 37812.439	elevation: 10364.543	Print Page 29 of 46	

HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	spessartine	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	Oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
2394	31		4	0	2	2	2	4	0	0	0	qtz veinlets	0	3			3			52	2		0.003	0.001	EXPAGHC15-1-46
2399	42	cuts back to heterolithic breccia, large clasts w/ indistinct boundaries	3	0	0	2	1	4	0	0	0		0	3	10		3			52	3		0.003	0.001	EXPAGHC15-1-46
2413	42	this interval is only 3.6 ft of actual material, mostly fault gouge/carbonate	2	0	0	3	1	5	0	4	0		0		10		1			23	3	carbonate vein, mixed w/ gypsum +/- qtz +/- sericite	0.005	0.003	EXPAGHC15-1-46
2420		this interval is only 2 ft of actual material, very poor recovery zone	3	0	0	2	1	4	0	2	0		0	5	10		1			23	3		0.003	0.001	EXPAGHC15-1-46
2425		Tphk dike as above	4	0	0	1	1	3	0	0	0		0	5	10		2				1		0.003	0.001	EXPAGHC15-1-46
2430			4	0	0	1	1	3	0	0	0		0	3			2				1		0.008	0.004	EXPAGHC15-1-46
2435	31		3	0	0	2	1	3	0	0	0		0	5			2				1		0.007	0.002	EXPAGHC15-1-46
2440	31		2	0	0	4	2	5	0	0	0		0	5			1			52	2		0.003	0.002	EXPAGHC15-1-46
2445	31		2	0	0	3	2	5	0	0	0		0	5			1			52	2		0.003	0.002	EXPAGHC15-1-46
2450	31	2450-2463' decent stick rock	3	0	0	2	2	4	0	0	0		0	5			2				1		0.001	0.001	EXPAGHC15-1-46
2455	31		4	0	0	1	0	4	0	0	0		0	2			2				2		0.001	0.001	EXPAGHC15-1-47
2460	31	rafted, bleached precambrian xenoliths within	3	0	0	1	0	5	0	0	0		0	1			2			53	4		0.002	0.001	EXPAGHC15-1-47
2465	31	minor faulting in veinlets, 5 mm displacement	4	0	0	1	0	5	0	0	0		0	3			1			52	3		0.002	0.001	EXPAGHC15-1-47
2470	31		4	0	0	1	0	5	0	0	0		0	5			1				1		0.002	0.001	EXPAGHC15-1-47
2475	42		3	0	0	2	1	5	0	0	0		0	3	10		5				1	galena and pyrite intergrown, +/- trace moly	0.001	0.001	EXPAGHC15-1-47
2480	31		4	0	0	1	1	5	0	0	0		0	5			2				0		0.001	0.001	EXPAGHC15-1-47

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1	Collar Azimuth: 275.97	Collar Inclination: -89.44	:	Hole Length: 3875.00
northsouth_decimal: 60749.453	eastwest_decimal: 37812.439	elevation: 10364.543	Print Page 30 of 46	

HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	spinelite	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	mineralization	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
2480	31		4	0	0	1	1	5	0	0	0		0	3			2				0		0.001	0.001	EXPAGHC15-1-47
2485	31		4	0	0	2	1	4	0	0	0		0	3			2				0		0.002	0.001	EXPAGHC15-1-47
2490	31		4	0	0	1	1	3	0	0	0		0	3			1				0		0.004	0.001	EXPAGHC15-1-47
2495	31		4	0	0	1	1	4	0	0	0		0	3			1				0		0.005	0.001	EXPAGHC15-1-47
2500	31		4	0	0	1	1	4	0	0	0		0	3			2				0		0.007	0.001	EXPAGHC15-1-47
2505	31		4	0	0	1	1	3	0	0	0		0	3			1				0				EXPAGHC15-1-48
2510	42	2510-2523' competent stick rock, heterolithic microbreccia	3	0	0	1	0	4	0	0	0		0	2	10		2				0				EXPAGHC15-1-48
2515	42	veins of massive gypsum throughout w/ strong pyrite + galena, up to 5-10 cm thick	3	0	0	2	1	5	0	0	0		0	2			5			53	5	cubic galena + pyritohedrons, possible tellurides			EXPAGHC15-1-48
2520	42	as above	3	0	0	2	1	5	0	0	0		0	2			5			53	5	fluorite mixed in with same assemblage as above			EXPAGHC15-1-48
2525	42		3	0	0	2	1	5	0	0	0		0	2			5			53	5	as above, strong sulfide mineralization; 2524-2525' solid gypsum vein			EXPAGHC15-1-48
2530	42	2525-2527' solid gypsum w/ fluorite particles mixed in, rafted clasts within the gypsum	2	0	0	1	1	5	0	0	0	stockwork gypsum veinlets radiating from main gypsum veins	0	1			3			53	5	53= 2' thick gypsum vein			EXPAGHC15-1-48
2535	42	gypsum veins throughout, 2-4 cm thick	2	0	0	1	1	4	0	0	0		0	2			3			53	5				EXPAGHC15-1-48
2540	42		3	0	3	1	1	4	0	0	0	2537-2538' euhedral qtz (amethyst) prisms enclosed in selenite vein 2 cm thick	0	3		3			53	5	euhedral purple qtz (amethyst) xls 1-2 cm thick +/- purple fluorite			EXPAGHC15-1-48	
2545	31	porphyritic phonolite dike @ 2544'	3	0	2	1	1	4	0	0	0	2542' amethyst in selenite vein 1-2 cm	0	1			3			53	4				EXPAGHC15-1-48
2550	31	>80% Tphk dike, tr breccia fragments	3	0	2	1	1	5	0	0	0		0	0			2			53	5				EXPAGHC15-1-48
2555	31		2	0	2	1	1	4	0	0	0	2552-2553' ~10 cm thick amethyst/selenite vein, +/- fluorite, pyrite, barite	0	0		3			53	5				EXPAGHC15-1-49	
2560	30	crushed matrix of phonolites, monolithic	3	0	0	1	1	5	0	0	0		0	1	10		3			53	5				EXPAGHC15-1-49
2565	30		3	0	3	1	1	5	0	0	0	amethyst/selenite vein as above, 5-6 cm	0	1		3			53	5	oxide + galena in veinlets throughout			EXPAGHC15-1-49	

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1		Collar Azimuth: 275.97		Collar Inclination: -89.44		:	Hole Length: 3875.00	
northsouth_decimal: 60749.453		eastwest_decimal: 37812.439		elevation: 10364.543			Print Page 31 of 46	

HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	spessartine	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	Oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
2565	30		3	0	3	1	1	5	0	0	0	2564' amethyst-selenite vein as above, 5-6 cm	0	1			3			53	5	pyrite + galena in veinlets throughout			EXPAGHC15-1-49
2570	30		3	0	3	1	1	5	0	0	0		0	1			3			53	4				EXPAGHC15-1-49
2575	30		3	0	0	1	1	4	0	0	0		0	2			5			53	5				EXPAGHC15-1-49
2580	30		3	0	0	1	1	4	0	0	0		0	1			4			53	4				EXPAGHC15-1-49
2585	42	heterolithic breccia	3	0	0	1	1	5	0	0	0		0	1	10		4			53	5				EXPAGHC15-1-49
2590	42		3	0	0	1	1	4	0	0	0		0	1			4			53	5				EXPAGHC15-1-49
2595	42		4	0	3	1	1	4	0	0	0	smokey qtz/amethyst	0	1			4			53	4				EXPAGHC15-1-49
2600	42		4	0	0	1	1	4	0	0	0		0	2			3			53	5	galena veinlets w/ accessory pyrite clusters, <1 mm thick			EXPAGHC15-1-49
2605	42		4	0	0	1	1	4	0	0	0		0	1			4			53	4				EXPAGHC15-1-50
2610	42		4	0	0	1	1	4	0	0	0		0	1			5			53	5				EXPAGHC15-1-50
2615	42		4	0	0	1	1	4	0	0	0		0	1			4			53	5				EXPAGHC15-1-50
2620	42		4	0	0	1	1	4	0	0	0		0	1			3			53	5	2618-2620' solid gypsum vein			EXPAGHC15-1-50
2625	30	coarse grained monolithic clasts	3	0	0	1	1	5	0	0	0		0	1	10		3			53	5				EXPAGHC15-1-50
2630	30		3	0	0	1	1	5	0	0	0		0	1			2			53	5				EXPAGHC15-1-50
2635	30		3	0	0	1	1	5	0	0	0		0	0			2			53	5				EXPAGHC15-1-50
2640	30		4	0	0	1	1	5	0	0	0		0	1			2			53	5				EXPAGHC15-1-50
2645	30		3	0	0	1	1	5	0	0	0		0	1			2			53	5				EXPAGHC15-1-50
2650	30		3	0	0	1	1	5	0	0	0		0	1			2			53	5				EXPAGHC15-1-50

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1	Collar Azimuth: 275.97	Collar Inclination: -89.44	:	Hole Length: 3875.00
northsouth_decimal: 60749.453	eastwest_decimal: 37812.439	elevation: 10364.543	Print Page 32 of 46	

HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	spessartine	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
2650	30		3	0	0	1	1	5	0	0	0		0	↑			2			53	5				EXPAGHC15-1-50
2655	30		4	0	0	1	1	5	0	0	0		0	↑			2			53	5				EXPAGHC15-1-51
2660	30		4	0	0	1	1	5	0	0	0		0	↑			3			53	5				EXPAGHC15-1-51
2665	30	fluidized gypsum veins	3	0	0	1	1	5	0	0	0		0	0			3			53	5				EXPAGHC15-1-51
2670	30		3	0	0	1	1	5	0	0	0		0	↑			4			53	5				EXPAGHC15-1-51
2675	95	massive gypsum veins	3	0	0	0	0	5	0	0	0		0	0	10		4			53	5				EXPAGHC15-1-51
2680	95	massive gypsum as above, w/ rafted breccia fragments	0	0	0	0	0	3	0	0	0	solid gypsum w/ fluidized fluorite + pyrite + galena veins	0	0			3			53	5				EXPAGHC15-1-51
2685	30	cuts back to mottled, monolithic breccia	3	0	0	0	0	5	0	2	0		0	0	10		2			53	4	stockwork gypsum veins			EXPAGHC15-1-51
2690	34	undifferentiated phonolite dike, mottled, wht color, no discernable phenos or clasts	2	0	0	3	1	5	0	0	0		0	0	10		2			52	4				EXPAGHC15-1-51
2695	34		2	0	0	3	1	5	0	0	0		0	0			2			53	4				EXPAGHC15-1-51
2700	34		2	0	0	2	1	5	0	2	0		0	0			2			53	4	weakly disseminated carbonate			EXPAGHC15-1-51
2705	95	massive gypsum vein as above	0	0	0	0	0	3	0	2	0		0	↑			3			53	5				EXPAGHC15-1-52
2710	95		0	0	0	0	0	3	0	0	0		0	↑			3			53	5				EXPAGHC15-1-52
2715	34	2710.5' cuts back sharply to undifferentiated porphyritic phonolite	2	0	0	2	1	5	0	0	0		0	↑	10		2			53	5	tr purple fluorite			EXPAGHC15-1-52
2720	34		2	0	0	2	1	5	0	0	0		0	↑			2			53	5				EXPAGHC15-1-52
2725	95	massive gypsum veins pick up again @ 2723'	2	0	0	0	0	4	0	2	0		0	↑	10		2			53	5				EXPAGHC15-1-52
2730	95		2	0	0	0	0	4	0	0	0		0	↑			3			53	5				EXPAGHC15-1-52
2735	42	cuts back to heterolithic breccia	3	0	0	1	1	4	0	0	0		0	↑	10		2			53	4				EXPAGHC15-1-52

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1		Collar Azimuth: 275.97		Collar Inclination: -89.44		:	Hole Length: 3875.00	
northsouth_decimal: 60749.453		eastwest_decimal: 37812.439		elevation: 10364.543			Print Page 33 of 46	

HOLE_ASSAY_SAMPLE																										
depth_to	RockType	Lithology_Comment	potassic	spessartine	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER	
2735	42	cuts back to heterolithic breccia	3	0	0	1	1	4	0	0	0		0	1	10		2			53	4					EXPAGHC15-1-52
2740	42		3	0	0	2	1	4	0	0	0		0	2			3			53	4					EXPAGHC15-1-52
2745	42		3	0	0	2	1	4	0	0	0		0	2			3			53	4					EXPAGHC15-1-52
2750	42		3	0	0	1	1	4	0	0	0		0	2			3			53	4					EXPAGHC15-1-52
2755	42		3	0	0	1	1	4	0	0	0		0	1			2			53	3					EXPAGHC15-1-53
2760	42		3	0	0	1	1	4	0	0	0		0	1			2			53	3					EXPAGHC15-1-53
2765	42		3	0	0	1	1	4	0	0	0		0	1			2			53	3					EXPAGHC15-1-53
2770	42		3	0	0	2	1	5	0	0	0		0	1			2			53	3					EXPAGHC15-1-53
2775	42		4	0	0	2	1	5	0	0	0		0	1			3			53	5					EXPAGHC15-1-53
2780	42	heterolithic, clast-supported breccia	4	0	0	1	1	5	0	0	0		0	1			4			53	3					EXPAGHC15-1-53
2785	42		4	0	0	1	1	5	0	0	0		0	1			4			53	4					EXPAGHC15-1-53
2790	42		4	0	0	1	1	4	0	0	0		0	1			3			53	4					EXPAGHC15-1-53
2795	42	very solid, hard rock	5	0	0	0	0	4	0	0	0	pervasive adularia flooding makes core very hard	0	1			3			52	2					EXPAGHC15-1-53
2800	42		5	0	0	0	0	3	0	1	0		0	1			3			53	4	fluorite clots mixed in w/ gypsum veins				EXPAGHC15-1-53
2805	42		3	0	0	0	0	3	0	1	2	ratty biotite - secondary mineralization?	0	2			3			53	4	trace disseminated carbonate				EXPAGHC15-1-54
2810	42		3	0	0	0	0	3	0	1	4		0	1			3			53	5					EXPAGHC15-1-54
2815	42		3	0	0	1	0	3	0	1	4		0	1			3			53	5					EXPAGHC15-1-54
2820	42		4	0	0	1	0	4	0	1	2		0	2			4			53	5					EXPAGHC15-1-54

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1		Collar Azimuth: 275.97		Collar Inclination: -89.44		:	Hole Length: 3875.00	
northsouth_decimal: 60749.453		eastwest_decimal: 37812.439		elevation: 10364.543			Print Page 34 of 46	

HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	spinelite	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
2820	42		4	0	0	1	0	4	0	1	2		0	2			4			53	5				EXPAGHC15-1-54
2825	42		4	0	0	1	0	4	0	1	2		0	1			3			53	5				EXPAGHC15-1-54
2830	42		3	0	0	2	1	3	0	1	2		0	1			3			53	4				EXPAGHC15-1-54
2835	42		3	0	0	2	1	4	0	1	2		0	1			3			53	4				EXPAGHC15-1-54
2840	42		4	0	0	2	1	5	0	2	2		0	2			3			53	4	weak effervescence to 10% HCl			EXPAGHC15-1-54
2845	42	mottled, wht-gry heterolithic breccia, stockwork gypsum veins throughout	3	0	0	2	1	5	0	2	1		0	1			2			53	4				EXPAGHC15-1-54
2850	42		3	0	0	2	1	5	0	1	0		0	1			3			53	5	gypsum veins 2-5 cm thick w/ purple fluorite throughout			EXPAGHC15-1-54
2855	42		3	0	0	2	1	5	0	0	0		0	2			3			53	5	gypsum veins as above but with thin accessory veinlets of galena			EXPAGHC15-1-55
2860	42		3	0	0	3	1	4	0	0	0		0	1			3			53	5	60=galena veinlets			EXPAGHC15-1-55
2865	42		4	0	0	3	1	5	0	0	0		0	2			2			52	4				EXPAGHC15-1-55
2870	42		4	0	0	2	1	5	0	0	0		0	3			3			53	4				EXPAGHC15-1-55
2875	42		4	0	0	2	1	5	0	1	0		0	1			3			53	5				EXPAGHC15-1-55
2880	42		3	0	0	3	1	4	0	1	0		0	1			2			53	4				EXPAGHC15-1-55
2885	42		4	0	0	1	1	4	0	0	0	pyrite replacement of clasts + pyrite rims	0	1			3			53	3				EXPAGHC15-1-55
2890	42		4	0	0	1	1	4	0	0	0		0	1			3			53	3				EXPAGHC15-1-55
2895	42		3	0	0	4	2	5	0	0	0	significantly increased clay content in this interval	0	3			3			53	4				EXPAGHC15-1-55
2900	42		3	0	0	2	1	5	0	0	0		0	2			3			53	5				EXPAGHC15-1-55
2905		Syenite, possible intrusive dike, but may be breccia, too altered to see	4	0	0	2	1	4	0	1	0		0	1	10		3			53	4				EXPAGHC15-1-56

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1		Collar Azimuth: 275.97		Collar Inclination: -89.44		:	Hole Length: 3875.00	
northsouth_decimal: 60749.453		eastwest_decimal: 37812.439		elevation: 10364.543			Print Page 35 of 46	

HOLE_ASSAY_SAMPLE																										
depth_to	RockType	Lithology_Comment	potassic	spinelite	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER	
2905		syenite, possible intrusive dike, but may be breccia, too altered to see distinct boundaries	4	0	0	2	1	4	0	1	0		0	1	10		3			53	4					EXPAGHC15-1-56
2910	95	wht massive gypsum veins	0	0	0	0	0	5	0	0	0		0	1	10		2			53	5					EXPAGHC15-1-56
2915	95		0	0	0	0	0	5	0	0	0		0	1			2			53	5	fluorite mixed in w/ gypsum veins			EXPAGHC15-1-56	
2920	42		3	0	0	2	1	5	0	0	0		0	1			3			53	5				EXPAGHC15-1-56	
2925	42	2921-2922' gypsum/selenite vein w/ euhedral amethyst xls	3	0	3	2	1	5	0	0	0		0	1			2			53	5	euhedral, prismatic amethyst			EXPAGHC15-1-56	
2930	42		3	0	0	2	1	5	0	2	0		0	1			2			53	5	weak disseminated carbonate			EXPAGHC15-1-56	
2935	42		3	0	0	2	1	5	0	2	0		0	1			3			53	5				EXPAGHC15-1-56	
2940	42		3	0	0	1	1	4	0	3	0		0	1			3			53	5	moderate disseminated carbonate			EXPAGHC15-1-56	
2945	42		3	0	0	1	0	5	0	3	0		0	1			3			53	5				EXPAGHC15-1-56	
2950	42		3	0	0	1	0	5	0	3	12		0	1			3			53	5				EXPAGHC15-1-56	
2955	42		3	0	0	1	0	5	0	3	12		0	1			2			33	3	2952' calcite vein, terminated crystals			EXPAGHC15-1-57	
2960	42		4	0	0	1	0	4	0	2	13		0	1			2			53	4				EXPAGHC15-1-57	
2965	42		3	0	0	3	1	5	0	1	12		0	1			3			53	5				EXPAGHC15-1-57	
2970	42	very mottled texture, clasts are blotchy, indistinct	3	0	0	3	1	5	0	1	12		0	1			3			52	2				EXPAGHC15-1-57	
2975	42		3	0	0	2	1	4	0	1	12		0	2			3			53	3				EXPAGHC15-1-57	
2980	42		3	0	0	2	0	5	0	0	0		0	1			4			53	2				EXPAGHC15-1-57	
2985	42		2	0	0	2	0	4	0	0	11		0	2			4			53	5				EXPAGHC15-1-57	
2990	42		3	0	0	2	0	4	0	0	0		0	1			3			53	4				EXPAGHC15-1-57	

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1		Collar Azimuth: 275.97			Collar Inclination: -89.44		:	Hole Length: 3875.00		
northsouth_decimal: 60749.453		eastwest_decimal: 37812.439			elevation: 10364.543			Print Page 36 of 46		

HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	spinelite	sulfidation	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	mineralization	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
2990	42		3	0	0	2	0	4	0	0	0		0	1			3			53	4				EXPAGHC15-1-57
2995	42		4	0	0	1	0	4	0	0	13		0	1			3			53	3				EXPAGHC15-1-57
3000	42		4	0	0	1	0	3	0	0	14		0	2			2			53	4				EXPAGHC15-1-57
3005	42		4	0	0	1	0	3	0	2	12		0	1			3			53	4				EXPAGHC15-1-58
3010	42		3	0	0	3	1	3	0	1	11		0	3			3			53	5				EXPAGHC15-1-58
3015	42		4	0	2	2	1	3	0	2	11		0	2			3			53	5	3013-3014' amethyst xls encased in gypsum as above			EXPAGHC15-1-58
3020	42	mottled as above, weakly heterolithic microbreccia; fluidized galena/py/fluorite veinlets throughout	3	0	2	3	1	4	0	3	0	3018-3019' amethyst crystals in gypsum	0	3			3			53	5	moderate disseminated carbonate			EXPAGHC15-1-58
3025	42		3	0	0	4	1	3	0	3	0	increased clay alteration, decomposing core, wht-gry clay	0	2			2			53	3				EXPAGHC15-1-58
3030	42		3	0	2	4	1	3	0	3	0	qtz in gypsum as above	0	1			2			53	4				EXPAGHC15-1-58
3035	42		4	0	0	3	1	4	0	3	0		0	1			2			53	5				EXPAGHC15-1-58
3040	42		4	0	0	3	1	4	0	2	0	pyrite +/- galena replacing clasts	0	2			4			53	5				EXPAGHC15-1-58
3045	42		3	0	0	2	1	4	0	2	0		0	1			3			53	5				EXPAGHC15-1-58
3050	38	porphyritic phonolite, range of phenocryst sizes from 2mm-1cm	4	0	0	1	1	3	0	3	0		0	1			2			53	5	gypsum/calcite veinlets throughout interval			EXPAGHC15-1-58
3055	38	rubble, very broken up zone	5	0	0	1	0	3	0	0	0		0	3			1			53	2				EXPAGHC15-1-59
3060	94	3056' cuts to milky wht massive carbonate vein, strong rxn to 10% HCl	0	0	0	0	0	5	0	5	0	patchy zones of galena mixed into carbonate vein	0	3			0			23	4	23=carbonate vein			EXPAGHC15-1-59
3065	94	massive wht carbonate vein as above, strong galena mineralization	0	0	0	0	0	5	0	5	0		0	1			0			23	4				EXPAGHC15-1-59
3070	94		0	0	0	0	0	5	0	5	0		0	2			0			23	3				EXPAGHC15-1-59
3075	38		4	0	0	2	0	3	0	2	0		0	1			1			23	2				EXPAGHC15-1-59

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1	Collar Azimuth: 275.97	Collar Inclination: -89.44	:	Hole Length: 3875.00
northsouth_decimal: 60749.453	eastwest_decimal: 37812.439	elevation: 10364.543	Print Page 37 of 46	

HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	spessartine	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
3075	38		4	0	0	2	0	3	0	2	0		0	1			1			23	2				EXPAGHC15-1-59
3080	38		4	0	0	1	0	3	0	1	0		0	3			1			53	2	thin, irregular gypsum/anhydrite veinlets, trace carbonate			EXPAGHC15-1-59
3085	38		4	0	0	1	0	3	0	1	0		0	2			1			53	2	fluidized gypsum veins w/ fluorite			EXPAGHC15-1-59
3090	38		4	0	0	1	0	3	0	1	0		0	2			2			42	1	42=fluorite frx fill and veins			EXPAGHC15-1-59
3095	38		4	0	0	2	0	4	0	4	0		0	0			3			23	3	carbonate veins 5-10 cm thick			EXPAGHC15-1-59
3100	38		4	0	0	0	0	3	0	4	0		0	2			3			23	4	carbonate-sulfate veins?			EXPAGHC15-1-59
3105	94	3100-3102' carbonate-sulfate vein	3	0	3	0	0	4	0	5	0	euhedral qtz in carbonate-sulfate vein	0	1			3			23	4	pyrite + galena + qtz in veins			EXPAGHC15-1-60
3110	42	cuts back to heterolithic breccia	3	0	0	0	0	4	0	3	0		0	2			2			23	2				EXPAGHC15-1-60
3115	94	3112-3118' carbonate vein	2	0	0	0	0	5	0	5	0		0	1			3			23	4				EXPAGHC15-1-60
3120	94		2	0	0	0	0	5	0	5	0		0	0			2			23	3	purple fluorite veinlets			EXPAGHC15-1-60
3125	34	blotchy phonolite, w/ indistinct, anhedral phenocrysts	4	0	0	0	0	3	0	4	0		0	1			2			23	3				EXPAGHC15-1-60
3130	34		5	0	0	0	0	4	0	4	0		0	1			2			23	3				EXPAGHC15-1-60
3135	34	cross-cutting veinlets, late-stage gypsum cuts carbonate veins	5	0	0	0	0	3	0	4	0		0	3			2			23	3				EXPAGHC15-1-60
3140	34		4	0	0	0	0	3	0	5	0		0	2			2			23	4	3136-3137' blue anhydrite?			EXPAGHC15-1-60
3145	38		4	0	0	0	0	3	0	4	0		0	2	10		2			22	2	disseminated carbonate			EXPAGHC15-1-60
3150	38		4	0	0	0	0	3	0	0	0		0	2			2				2				EXPAGHC15-1-60
3155	38		4	0	0	0	0	3	0	0	0		0	1			1			53	3				EXPAGHC15-1-61
3160	42		4	0	0	0	0	3	0	1	0		0	0			2				2				EXPAGHC15-1-61

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1	Collar Azimuth: 275.97	Collar Inclination: -89.44	:	Hole Length: 3875.00
northsouth_decimal: 60749.453	eastwest_decimal: 37812.439	elevation: 10364.543	Print Page 38 of 46	

HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	spiculate	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
3160	42		4	0	0	0	0	3	0	1	0		0	0			2				2				EXPAGHC15-1-61
3165	42		4	0	0	0	0	3	0	4	0		0	1			2			22	2	22=carbonate frx fill			EXPAGHC15-1-61
3170	42		4	0	0	0	0	3	0	5	0		0	2			2			22	3				EXPAGHC15-1-61
3175	42		5	0	0	0	0	3	0	4	0		0	2			5			23	3	pyrite has a very brassy tint to it, some striated, elongate minerals, possible tellurides?			EXPAGHC15-1-61
3180	42		5	0	0	0	0	3	0	5	0		0	2			3			23	3				EXPAGHC15-1-61
3185	42	fluidized texture, abundant carbonate-fluorite-sulfate veins throughout	4	0	0	0	0	3	0	4	12		0	2			4			23	5	biotite in matrix rock			EXPAGHC15-1-61
3190	42		4	0	0	0	0	2	0	5	12		0	2			3			23	3	3184-3267' anastomosing fluorite veins, 1-2 cm thick			EXPAGHC15-1-61
3195	42		5	0	0	0	0	3	0	3	14		0	1			3			23	2				EXPAGHC15-1-61
3200		syenite, salt-and-pepper texture, weakly magnetic, moderate carbonate	3	0	0	0	0	5	0	4	15		0	3	10		3			23	3				EXPAGHC15-1-61
3205			3	0	0	0	3	5	0	5	15	bleached selvages around hairline frx, sericite after biotite?	0	2			3			23	3				EXPAGHC15-1-62
3210			3	0	0	0	2	5	0	4	15		0	1			2			23	3				EXPAGHC15-1-62
3215			3	0	0	0	2	5	0	3	15		0	1			2			23	5				EXPAGHC15-1-62
3220			3	0	0	0	3	5	0	3	13		0	2			2			23	5				EXPAGHC15-1-62
3225			2	0	0	2	3	5	0	3	13		0	1			3			23	4				EXPAGHC15-1-62
3230			2	0	0	1	3	5	0	2	12		0	1			2			53	5	53=gypsum veins			EXPAGHC15-1-62
3235			3	0	0	1	2	4	0	3	13		0	1			3			53	5				EXPAGHC15-1-62
3240			3	0	0	1	2	5	0	3	15		0	2			3			53	5				EXPAGHC15-1-62
3245			3	0	0	1	2	5	0	3	14		0	2			3			53	4				EXPAGHC15-1-62

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1		Collar Azimuth: 275.97		Collar Inclination: -89.44		:	Hole Length: 3875.00	
northsouth_decimal: 60749.453		eastwest_decimal: 37812.439		elevation: 10364.543			Print Page 39 of 46	

HOLE_ASSAY_SAMPLE																										
depth_to	RockType	Lithology_Comment	potassic	spessartine	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER	
3245			3	0	0	1	2	5	0	3	4		0	2			3			53	4				EXPAGHC15-1-62	
3250			3	0	0	1	2	5	0	2	4		0	2			3			53	4				EXPAGHC15-1-62	
3255			3	0	0	1	2	5	0	1	4		0	2			3			53	4				EXPAGHC15-1-63	
3260			3	0	0	1	1	4	0	1	4		0	2			2			53	4				EXPAGHC15-1-63	
3265			3	0	0	1	1	5	0	2	5		0	1			2			53	4				EXPAGHC15-1-63	
3270		salt-and-pepper texture, phaneritic, weakly magnetic	3	0	0	1	1	5	0	2	5		bleached selvages around gypsum/fluorite veins	0	1			3			53	4				EXPAGHC15-1-63
3275			3	0	0	1	1	4	0	2	5			0	2			4			53	4				EXPAGHC15-1-63
3280			3	0	0	1	1	4	0	2	5			0	2			4			53	5	massive fluorite veins mixed w/ gypsum			EXPAGHC15-1-63
3285			3	0	0	1	1	4	0	2	5		gypsum veins cross-cut fluorite veins	0	1			4			53	5				EXPAGHC15-1-63
3290			3	0	0	1	1	4	0	2	5			0	1			3			53	5				EXPAGHC15-1-63
3295	95	3293' gypsum/selenite vein cuts through	3	0	0	0	0	5	0	1	3		0	2			3			53	5				EXPAGHC15-1-63	
3300	95	brecciated syenite resumes @ 3296'	4	0	0	0	0	5	0	0	4		0	2			3			53	5				EXPAGHC15-1-63	
3305		brecciated syenite, mixed w/ phonolite	4	0	0	0	0	5	0	2	5		0	1	10		2			53	5				EXPAGHC15-1-64	
3310			3	0	0	1	1	5	0	2	5		0	2	10		2			53	5				EXPAGHC15-1-64	
3315			3	0	0	1	1	5	0	2	5		0	2			3			53	5				EXPAGHC15-1-64	
3320			3	0	0	1	1	4	0	2	5		0	1			3			53	5				EXPAGHC15-1-64	
3325			3	0	0	1	1	3	0	3	5		0	2			3			53	4				EXPAGHC15-1-64	
3330			3	0	0	1	1	3	0	3	4		0	3			2			53	5				EXPAGHC15-1-64	

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1		Collar Azimuth: 275.97		Collar Inclination: -89.44		:	Hole Length: 3875.00	
northsouth_decimal: 60749.453		eastwest_decimal: 37812.439		elevation: 10364.543			Print Page 40 of 46	

HOLE_ASSAY_SAMPLE																										
depth_to	RockType	Lithology_Comment	potassic	spessartine	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER	
3330			3	0	0	1	1	3	0	3	4		0	3			2			53	5					EXPAGHC15-1-64
3335			3	0	0	1	1	4	0	2	5		0	1			3			53	3					EXPAGHC15-1-64
3340			3	0	0	1	1	4	0	2	5		0	2			2			53	3					EXPAGHC15-1-64
3345			3	0	0	1	1	3	0	2	5		0	3			2			53	2					EXPAGHC15-1-64
3350		++22++ + + + + + + + +	3346-3347' reddish-gray aphanitic phonolite dike cuts thru syenite	3	0	0	1	1	3	0	3	5	gypsum veins cut both the syenite and aphanitic phonolite	0	1			2			53	5				
3355			3	0	0	1	1	3	0	3	5	disseminated carbonate	0	1			2			53	5					EXPAGHC15-1-65
3360			3	0	0	1	1	4	0	2	4		0	2			2			53	5	fluorite mixed in with gypsum, fluidized				EXPAGHC15-1-65
3365		syenite breccia as above	4	0	0	1	1	4	0	2	4		0	0	10		2			53	5					EXPAGHC15-1-65
3370			1	0	0	1	1	4	0	2	4		0	1			2			53	5					EXPAGHC15-1-65
3375		95	3371-3372' gypsum/fluorite vein cutting thru syenite, very fluidized	3	0	0	0	0	3	0	4	4		0	1			2			53	5				
3380			3	0	0	0	0	3	0	3	5		0	1			2			53	5					EXPAGHC15-1-65
3385			3	0	0	0	0	3	0	1	5		0	1			2			53	5					EXPAGHC15-1-65
3390			3	0	0	1	0	4	0	1	5		0	2			2			53	5					EXPAGHC15-1-65
3395			4	0	0	1	0	4	0	2	5		0	1			2			53	5					EXPAGHC15-1-65
3400			4	0	0	1	0	4	0	2	5		0	1			2			53	5					EXPAGHC15-1-65
3405			4	0	0	1	0	4	0	3	5		0	2			2			53	5					EXPAGHC15-1-66
3410			4	0	0	1	0	4	0	3	5		0	3			2			53	4					EXPAGHC15-1-66
3415			4	0	0	1	0	3	0	3	5		0	3			2			53	4					EXPAGHC15-1-66

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1		Collar Azimuth: 275.97		Collar Inclination: -89.44		:	Hole Length: 3875.00	
northsouth_decimal: 60749.453		eastwest_decimal: 37812.439		elevation: 10364.543			Print Page 41 of 46	

HOLE_ASSAY_SAMPLE																										
depth_to	RockType	Lithology_Comment	potassic	spessartine	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER	
3415			4	0	0	1	0	3	0	3	5		0	3			2			53	4					EXPAGHC15-1-66
3420			4	0	0	1	0	3	0	2	4		0	3			3			53	5					EXPAGHC15-1-66
3425			4	0	0	1	2	4	0	2	4	selvages around healed frx are strongly bleached, biotite is gone, replaced by sericite?	0	3			3			53	3					EXPAGHC15-1-66
3430			4	0	0	1	2	4	0	2	5		0	2			3			53	4					EXPAGHC15-1-66
3435			3	0	0	1	1	3	0	2	5		0	3			3			53	4					EXPAGHC15-1-66
3440	35	3439-3441' porphyritic phonolite dike, euhedral lath-shaped phenos	4	0	0	0	0	3	0	2	4		0	2			2			53	2					EXPAGHC15-1-66
3445		cuts back to syenite as above	3	0	0	0	0	3	0	1	5		0	2			2			53	5					EXPAGHC15-1-66
3450	22	3449-3450' reddish-gray aphanitic phonolite dike, same unit as at 3346'	3	0	0	0	0	4	0	1	2		0	1			2			53	5					EXPAGHC15-1-66
3455			3	0	0	0	0	4	0	2	3		0	1			3			53	5					EXPAGHC15-1-67
3460			3	0	0	0	0	3	0	1	3		0	1			3			53	5					EXPAGHC15-1-67
3465			3	0	0	1	0	4	0	1	3		0	1			3			53	5					EXPAGHC15-1-67
3470			3	0	0	1	0	3	0	1	3		0	2			3			53	3					EXPAGHC15-1-67
3475	38	3472' cuts to intrusive porphyritic phonolite dike, looks different than dike @ 3439'	5	0	0	0	0	2	0	1	1		0	1			2			53	2					EXPAGHC15-1-67
3480	38		4	0	0	0	0	4	0	0	0		0	1			1			53	3	late-stage gypsum veins cut the dike, fluidized fluorite and galena within			EXPAGHC15-1-67	
3485	38		5	0	0	0	0	4	0	0	0		0	1			1			53	3					EXPAGHC15-1-67
3490	38		5	0	0	0	0	4	0	0	0		0	1			1			53	2					EXPAGHC15-1-67
3495	38		5	0	0	0	0	4	0	0	0		0	2			1			53	2					EXPAGHC15-1-67
3500	38		5	0	0	0	0	4	0	0	0		0	3			1			53	2					EXPAGHC15-1-67

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1	Collar Azimuth: 275.97	Collar Inclination: -89.44	:	Hole Length: 3875.00
northsouth_decimal: 60749.453	eastwest_decimal: 37812.439	elevation: 10364.543	Print Page 42 of 46	

HOLE_ASSAY_SAMPLE																										
depth_to	RockType	Lithology_Comment	potassic	spionite	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER	
3500	38		5	0	0	0	0	4	0	0	0		0	2			2			53	2					EXPAGHC15-1-67
3505	38		5	0	0	0	0	5	0	0	0		0	2			2			53	1					EXPAGHC15-1-68
3510		3505' cuts back to syenite as above	4	0	0	0	0	5	0	0	13		0	2			3			53	4					EXPAGHC15-1-68
3515			4	0	0	0	0	5	0	0	13		0	1			3			53	4					EXPAGHC15-1-68
3520			4	0	0	0	0	5	0	1	13		0	1			2			53	5					EXPAGHC15-1-68
3525			4	0	0	0	0	5	0	1	13		0	1			2			53	4					EXPAGHC15-1-68
3530			4	0	0	0	0	5	0	0	13		0	1			2			53	4					EXPAGHC15-1-68
3535		stockwork gypsum-fluorite veinlets	4	0	0	0	0	4	0	0	13		0	2			3			53	4					EXPAGHC15-1-68
3540			4	0	0	0	0	4	0	0	13		0	2			2			53	4					EXPAGHC15-1-68
3545		ash flow @ 3541-3542'	4	0	0	0	0	4	0	3	13		0	1			2			53	5	stockwork fluorite				EXPAGHC15-1-68
3550			4	0	0	0	0	5	0	2	14		0	1			2			53	4					EXPAGHC15-1-68
3555			4	0	0	0	0	4	2	1	14	greenish tint to core, possibly chlorite?	0	2			2			53	4					EXPAGHC15-1-69
3560			4	0	0	1	0	3	2	1	14		0	3			3			53	2					EXPAGHC15-1-69
3565			4	0	0	1	0	3	2	1	15	hornblende replaced by biotite	0	2			3			53	2					EXPAGHC15-1-69
3570			4	0	0	1	0	3	1	0	14		0	2			2			53	5					EXPAGHC15-1-69
3575			4	0	0	1	0	3	0	0	15		0	2			3			53	5					EXPAGHC15-1-69
3580			4	0	0	1	0	3	2	2	15		0	1			3			53	5	spotty, blue-green Cu-ox throughout				EXPAGHC15-1-69
3585		4	0	0	0	0	3	1	1	15		0	1			4			53	5	60=galena				EXPAGHC15-1-69	

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1		Collar Azimuth: 275.97		Collar Inclination: -89.44		:	Hole Length: 3875.00	
northsouth_decimal: 60749.453		eastwest_decimal: 37812.439		elevation: 10364.543			Print Page 43 of 46	

HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	epiclastic	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
3585	40		4	0	0	0	0	0	4	1	5		0	1			4			53	5	sub-galeena			EXPAGHC15-1-69
3590			4	0	0	0	0	4	0	1	15		0	1			2			53	5				EXPAGHC15-1-69
3595			4	0	0	0	0	4	2	2	15		0	1			2			53	5				EXPAGHC15-1-69
3600			3	0	0	0	0	3	2	1	15		0	1			3			53	4				EXPAGHC15-1-69
3605	41	sharp transition to heterolithic breccia w/ dark gray ash matrix	4	0	0	0	0	4	0	1	0	ash breccia matrix is laminated, moderate pyrite replacement within, very hard to scratch	0	1			3			53	5				EXPAGHC15-1-70
3610	41	ash matrix is laminated in areas	4	0	0	0	0	3	0	1	0		0	1			3			53	1				EXPAGHC15-1-70
3615	41		4	0	0	0	0	4	0	0	0		0	1			2			53	5	gypsum fluorite veins			EXPAGHC15-1-70
3620	41		4	0	0	0	0	4	0	0	0		0	1			2			53	3				EXPAGHC15-1-70
3625	41		4	0	0	0	0	3	0	0	0		0	1			2			53	5				EXPAGHC15-1-70
3630	41		5	0	0	0	0	3	0	1	0		0	1			2			53	4				EXPAGHC15-1-70
3635	41	broken/rubble zone	4	0	0	0	0	3	0	1	0		0	3			2			53	4				EXPAGHC15-1-70
3640	41		4	0	0	0	0	3	0	0	0		0	2			3			53	5				EXPAGHC15-1-70
3645	41		5	0	0	0	0	3	0	0	0	pervasive potassic alteration (adularia), med- dark gray color	0	1			2			53	2				EXPAGHC15-1-70
3650	41	coarse, clast-suported, ash matrix is very fine, interstitial	5	0	0	0	0	3	0	0	0		0	2			2			53	5				EXPAGHC15-1-70
3655	41		5	0	0	0	0	5	0	0	0		0	1			2			53	5				EXPAGHC15-1-71
3660	41		5	0	0	0	0	5	0	0	0		0	2			2			53	5				EXPAGHC15-1-71
3665	41		5	0	0	0	0	5	0	0	0		0	2			2			53	5				EXPAGHC15-1-71
3670	41		5	0	0	0	0	4	0	0	0		0	2			3			53	3				EXPAGHC15-1-71
3675	41		5	0	0	0	0	4	0	0	0		0	2			2			53	2				EXPAGHC15-1-71

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1	Collar Azimuth: 275.97	Collar Inclination: -89.44	:	Hole Length: 3875.00
northsouth_decimal: 60749.453	eastwest_decimal: 37812.439	elevation: 10364.543	Print Page 44 of 46	

HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	spiculate	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
3675	41		5	0	0	0	0	4	0	0	0		0	3			3			53	3				EXPAGHC15-1-71
3680	41		5	0	0	0	0	3	0	0	0		0	3			3			53	3				EXPAGHC15-1-71
3685	41		5	0	0	0	0	3	0	0	0		0	2			2			53	5	3681-3682.5' gypsum vein			EXPAGHC15-1-71
3690	41		5	0	0	0	0	3	0	0	0		0	2			2			53	3				EXPAGHC15-1-71
3695	41		5	0	0	0	0	3	0	0	0		0	1			2			53	5				EXPAGHC15-1-71
3700	41		5	0	0	0	0	3	0	0	0		0	2			2			53	3				EXPAGHC15-1-71
3705	41		5	0	0	0	0	3	0	0	0		0	3			2			53	3				EXPAGHC15-1-72
3710	95	3708-3710' gypsum vein	4	0	0	0	0	3	0	0	0		0	3			2			53	5				EXPAGHC15-1-72
3715	41		4	0	0	0	0	4	0	0	0		0	3			2			53	2				EXPAGHC15-1-72
3720	41		4	0	0	0	0	3	0	2	0		0	1			2			53	4	weak-moderate disseminated carbonate			EXPAGHC15-1-72
3725	95	3721-3723' gypsum vein	4	0	0	0	0	3	0	1	0		0	1			2			53	5				EXPAGHC15-1-72
3730	42		5	0	0	0	0	3	0	2	0		0	2	10		2			53	2				EXPAGHC15-1-72
3735	95	3730-3732' gypsum-fluorite vein	5	0	0	0	0	3	0	1	0		0	3			2			53	5				EXPAGHC15-1-72
3740	42	gradually becomes clast-supported, heterolithic breccia, large angular clasts up to 10 cm	5	0	0	0	0	4	0	0	0		0	2			2			53	4				EXPAGHC15-1-72
3745	42	very broken up due to gypsym veining	4	0	0	0	0	3	0	1	0		0	3			1			53	5				EXPAGHC15-1-72
3750	42		4	0	0	0	0	3	0	1	0		0	3			2			53	5				EXPAGHC15-1-72
3755	41	cuts back to ash breccia as above	4	0	0	0	0	3	0	0	0		0	3			2			53	5				EXPAGHC15-1-73
3760	41		5	0	0	0	0	3	0	0	0		0	3			2			53	5				EXPAGHC15-1-74

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1		Collar Azimuth: 275.97		Collar Inclination: -89.44		:	Hole Length: 3875.00	
northsouth_decimal: 60749.453		eastwest_decimal: 37812.439		elevation: 10364.543			Print Page 45 of 46	

HOLE_ASSAY_SAMPLE																									
depth_to	RockType	Lithology_Comment	potassic	spessartine	silification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
3760	41		5	0	0	0	0	3	0	0	0		0	3			2			53	5				EXPAGHC15-1-73
3765	41		5	0	0	0	0	3	0	0	0		0	1			2			53	4				EXPAGHC15-1-73
3770	41		5	0	0	0	0	2	0	0	0		0	2			2			53	4				EXPAGHC15-1-73
3775	41		5	0	0	0	0	2	0	0	0		0	1			2			53	3				EXPAGHC15-1-73
3780	41		4	0	0	0	0	2	0	0	0		0	2			2			53	3				EXPAGHC15-1-73
3785	41		5	0	0	0	0	2	0	0	0		0	1			2			53	3				EXPAGHC15-1-73
3790	41	3789-3790' gypsum-fluorite vein	5	0	0	0	0	2	0	0	0		0	1			2			53	5				EXPAGHC15-1-73
3795	41		5	0	0	0	0	2	0	1	0		0	2			3			53	5				EXPAGHC15-1-73
3800	41	broken up zone, sheeted fractures ~30 deg angle to core axis	5	0	0	0	0	2	0	0	0	pyrite replacing matrix and forming rims around clasts	0	3			4			53	1				EXPAGHC15-1-73
3805	42	ash matrix disappears gradually, rock is still heterolithic breccia, coarse clasts	4	0	0	0	0	2	0	0	0		0	2	10		3			53	4				EXPAGHC15-1-74
3810	42		4	0	0	0	0	2	0	0	12		0	2			2			53	3	biotite from syenite clasts			EXPAGHC15-1-74
3815	42	3814-3816' gypsum-fluorite vein	3	0	0	0	0	2	0	0	12		0	1			3			53	5				EXPAGHC15-1-74
3820	42		5	0	0	0	0	2	0	0	0		0	2			3			53	4				EXPAGHC15-1-74
3825	42	fracture zone, ~30 deg to core axis, sheeted fractures	4	0	0	0	0	2	0	0	0		0	5			4			53	5				EXPAGHC15-1-74
3830	42	fracture zone as above	4	0	0	2	0	3	0	0	0	weak-moderate clay alteration (kaolinite)	0	5			4			53	4				EXPAGHC15-1-74
3835	95	3832.5-3835' gypsum-fluorite vein	4	0	0	2	0	4	0	0	0		0	3			3			53	5				EXPAGHC15-1-74
3840	42	fracture zone as above	4	0	0	3	0	4	0	0	0		0	5			3			53	4				EXPAGHC15-1-74
3845	42		4	0	0	3	0	3	0	3	0		0	3			3			53	3	moderate disseminated carbonate			EXPAGHC15-1-74

Cripple Creek-Victor Gold Mining Company



Hole Name: GHC15-1	Collar Azimuth: 275.97	Collar Inclination: -89.44	:	Hole Length: 3875.00

northsouth_decimal: 60749.453	eastwest_decimal: 37812.439	elevation: 10364.543	Print Page 46 of 46

HOLE_ASSAY_SAMPLE

depth_to	RockType	Lithology_Comment	potassic	spinelite	sillification	argillic	Sericitic	bleached	Propylitic	carbonate	biotite	alt_comment	Oxidation	structure	contact	ox_comment	pyrite	hematite	quartz	gangue	Sulfate	min_Comment	AuAvg_OPT_FA	AuAvg_OPT_SL	SAMPLE_NUMBER
3845	42		4	0	0	3	0	3	0	3	0		0	3			3			53	3	moderate disseminated carbonate			EXPAGHC15-1-74
3850	42		3	0	0	3	1	3	0	2	0		0	5			3			53	3				EXPAGHC15-1-74
3855	42		3	0	0	3	1	3	0	2	0		0	5			2			53	3				EXPAGHC15-1-75
3860	42		3	0	0	3	1	3	0	0	0		0	5			2			53	3				EXPAGHC15-1-75
3865	42		3	0	0	2	1	3	0	0	0	gypsum-fluorite veinlets are replacing matrix	0	2			2			53	4				EXPAGHC15-1-75
3870	42		3	0	0	3	1	4	0	0	0		0	3			3			53	4				EXPAGHC15-1-75
3874	42	EOH	3	0	0	4	1	4	0	0	0		0	5			2			53	4				EXPAGHC15-1-75

Scale 1:180

11:47 AM

APPENDIX 2.2

GHC15-1 - LITHOLOGY LOG

CRIPPLE CREEK AND VICTOR GOLD MINING COMPANY, EXPLORATION DEPARTMENT

Hole Number	Sample Number	Depth from	Depth to	Rock type	Contact	Structure	Lithology comment	Oxidation	Oxidation comment	Specularite	Argillic	Sericitic	Potassic	Propylitic	Silification	Sulfate	Carbonate	Bleached	Biotite	Alteration comment	Mineralization	Pyrite	Gangue	Quartz	Mineralization comment
GHC15-1	EXPAGHC15-1-001	92	97	42		5	0-92' overburden, backfilled Ironclad pit. PQ. Core is Tbx1l	4	92-189' strong-pervasive Fe ox along frx, ocher to red-brown, mixed w/ clays	0	4	1	2	0	0	2	0	4	0	92-189' clays mixed w/ oxides in frx very prominently, moderate bleaching		1	52		52=gypsum, gypsum/anhydrite needles coating open frx
GHC15-1	EXPAGHC15-1-002	97	102	42		5	heterolithic breccia. crushed/pulverized phonolite, clast to matrix supported, rock flour matrix	4		0	4	2	3	0	0	2	0	4	0			1	52		
GHC15-1	EXPAGHC15-1-003	102	107	42		5		5	Fe ox selvages 1-4 cm, centered around stockwork frx	0	4	2	2	0	0	3	0	4	0	clays are stained yellow to red-brown, coating frx surfaces		0	52		
GHC15-1	EXPAGHC15-1-004	107	112	42		5	107-189' ~1:1 mix of healed frx (clay cement) with open frx	5	deep red-brown Fe ox on frx surfaces	0	4	2	3	0	0	3	0	4	0			0	52		
GHC15-1	EXPAGHC15-1-005	112	117	42		5	breccia within breccia, also mix of aphanitic and porphyritic phonolite clasts	5	limonite staining throughout matrix	0	4	2	3	0	0	3	0	4	0			0	52		
GHC15-1	EXPAGHC15-1-006	117	122	42		3	119-122 joint set (2), 1 cm thick, ~15 deg TCA, infilled w/ clay breccia, pervasive Fe ox	5		0	4	2	3	0	0	2	0	4	0			0	52		
GHC15-1	EXPAGHC15-1-007	122	127	42		3		3		0	3	2	3	0	0	2	0	5	0	zones of adularia (?) flooding, med gry, slightly harder than surrounding matrix		1	52		
GHC15-1	EXPAGHC15-1-008	127	132	42		2		3		0	3	2	3	0	0	2	0	5	0			1	52		
GHC15-1	EXPAGHC15-1-009	132	137	42		5	133-136' joint set runs parallel TCA (to core axis)	4		0	3	2	3	0	0	2	0	5	0			1	52		
GHC15-1	EXPAGHC15-1-010	137	142	42		3	frx healed with hard-packed clay cement, 138-140' breccia w/ clay cement	5		0	5	3	2	0	0	2	0	5	0	clays are very hard-packed, porcelainous, conchoidal frx, nominally white but often stained yellow		0			
GHC15-1	EXPAGHC15-1-011	142	147	42		3		5		0	5	3	2	0	0	2	0	5	0			0			
GHC15-1	EXPAGHC15-1-012	147	152	42		3		5		0	4	2	2	0	0	1	0	4	0			0			
GHC15-1	EXPAGHC15-1-013	152	157	42		5		5		0	5	3	2	0	0	2	0	5	0	clay frx fill, looks like late-stage brecciation w/ clay (kaolinite?) cement		0			
GHC15-1	EXPAGHC15-1-014	157	162	42		5		5		0	5	3	2	0	0	2	0	5	0			0			
GHC15-1	EXPAGHC15-1-015	162	167	42		2	stockwork frx, healed w/ clay cement	5		0	5	3	2	0	0	2	0	4	0			0			
GHC15-1	EXPAGHC15-1-016	167	172	42		2		4	stockwork frx primarily host Fe ox, 1-5 mm selvages	0	3	3	2	0	0	2	0	4	0			0			
GHC15-1	EXPAGHC15-1-017	172	177	42		5		4		0	4	3	2	0	0	2	0	4	0			0			
GHC15-1	EXPAGHC15-1-018	177	182	42		5	frx healed w/ hard-packed clay cement, late-stage brecciation	5		0	5	4	2	0	0	3	0	5	0			0			
GHC15-1	EXPAGHC15-1-019	182	187	42		5		5		0	5	4	2	0	0	3	0	4	0			0			
GHC15-1	EXPAGHC15-1-020	187	192	42		5	PQ core ends at 189'	4		0	5	4	2	0	0	3	0	4	0			0			
GHC15-1	EXPAGHC15-1-021	192	197	42		5	HQ begins. heterolithic microbreccia, rock flour, stockwork frx	3	ocher limonite to red-brown hematite, primarily on frx	0	5	4	3	0	0	3	0	5	0	decomposition of core in highly frx zones, very friable		0			
GHC15-1	EXPAGHC15-1-022	197	202	81	9	2	brecciated breccia, wht clay cement/matrix	3		0	5	4	2	0	0	1	0	5	0			0			
GHC15-1	EXPAGHC15-1-023	202	207	42	9	3		4		0	3	3	3	0	0	1	0	4	0			0			
GHC15-1	EXPAGHC15-1-024	207	212	42		3		4		0	2	2	3	0	0	1	0	4	0			0			
GHC15-1	EXPAGHC15-1-025	212	217	42		5	friable	3		0	2	2	3	0	0	2	0	4	0			0			
GHC15-1	EXPAGHC15-1-026	217	222	42		2		3		0	2	2	3	0	0	1	0	4	0			0			
GHC15-1	EXPAGHC15-1-027	222	227	42		5		4		0	3	3	3	0	0	2	0	5	0			0			
GHC15-1	EXPAGHC15-1-028	227	232	42		3		3		0	3	3	2	0	0	2	0	5	0			0			
GHC15-1	EXPAGHC15-1-029	232	237	42		5		3		0	5	3	2	0	0	2	0	5	0	234-235' decomposed, friable, pervasive clays		0			
GHC15-1	EXPAGHC15-1-030	237	242	42		5		2		0	3	2	3	0	0	1	0	4	0			0			
GHC15-1	EXPAGHC15-1-031	242	247	42		2	heterolithic microbreccia as above, angular clasts up to 2-5 cm, rock flour matrix	3		0	3	2	3	0	0	1	0	4	0			1			tr py in unoxidized zones
GHC15-1	EXPAGHC15-1-032	247	252	42		2	very mottled texture	2		0	1	2	3	0	0	0	0	4	0			2			weak-moderate py replacement throughout, very fine grained
GHC15-1	EXPAGHC15-1-033	252	257	42		2		2		0	1	2	3	0	1	2	0	4	0	tr qtz veins		1		5	vfg jarosite in frx - yellow to ocher color
GHC15-1	EXPAGHC15-1-034	257	262	42		2		2	Fe ox concentrated in frx	0	2	2	3	0	0	1	0	3	0			2			
GHC15-1	EXPAGHC15-1-035	262	267	42		3		1		0	3	2	3	0	0	1	0	4	0			2			
GHC15-1	EXPAGHC15-1-036	267	272	42		5		3		0	3	2	4	0	0	1	0	4	0			2			
GHC15-1	EXPAGHC15-1-037	272	277	42		3		2		0	3	2	4	0	0	0	0	4	0			2			
GHC15-1	EXPAGHC15-1-038	277	282	42		3		3		0	3	2	4	0	0	0	0	4	0			2			
GHC15-1	EXPAGHC15-1-039	282	287	42		2	stockwork frx, healed w/ Fe ox +/- clay	5	pervasive limonite + hematite	0	4	2	2	0	0	1	0	4	0	potassic alteration overprinted by argillic/oxidation		0			
GHC15-1	EXPAGHC15-1-040	287	292	42		3		5		0	4	2	2	0	0	1	0	4	0			0			
GHC15-1	EXPAGHC15-1-041	292	297	42		5		4		0	4	2	3	0	0	1	0	4	0	hard-packed, porcelainous wht-gry clay		1			
GHC15-1	EXPAGHC15-1-042	297	302	42		5		3		0	5	2	3	0	0	0	0	3	0	box-works texture -- pyrite replaced by hematite		0	55		55=hematite
GHC15-1	EXPAGHC15-1-043	302	307	42		2		5		0	5	3	2	0	0	0	0	4	0			0			
GHC15-1	EXPAGHC15-1-044	307	312	42		3		4		0	4	3	3	0	0	0	0	4	0			1			
GHC15-1	EXPAGHC15-1-045	312	317	42		5	broken/rubble zone, breccia as above	2		0	2	1	4	0	0	0	0	3	0			2			
GHC15-1	EXPAGHC15-1-046	317	322	42		5		1		0	3	2	4	0	0	0	0	3	0			3			disseminated py, euhedral xls ~1 mm
GHC15-1	EXPAGHC15-1-047	322	327	42		5		3		0	4	3	4	0	0	0	0	3	0			2			

Hole Number	Sample Number	Depth from	Depth to	Rock type	Contact	Structure	Lithology comment	Oxidation	Oxidation comment	Specularite	Argillic	Sericitic	Potassic	Propylitic	Silification	Sulfate	Carbonate	Bleached	Biotite	Alteration comment	Mineralization	Pyrite	Gangue	Quartz	Mineralization comment
GHC15-1	EXPAGHC15-1-048	327	332	42		3		4		0	3	2	4	0	0	0	0	3	0			0			
GHC15-1	EXPAGHC15-1-049	332	337	42		3		3		1	2	2	3	0	0	0	0	3	0	tr specularite around frx		0			
GHC15-1	EXPAGHC15-1-050	337	342	42		5		4		0	4	3	3	0	0	2	0	3	0			0	54		54=jarosite +/- gypsum
GHC15-1	EXPAGHC15-1-051	342	347	42		5	346-347' 4 cm thick clay vein, very porcelainous	4		0	5	3	4	0	0	1	0	4	0			0			
GHC15-1	EXPAGHC15-1-052	347	352	42		3		3		0	5	3	3	0	0	1	0	3	0			0			
GHC15-1	EXPAGHC15-1-053	352	357	42		3		5		0	3	3	2	0	0	1	0	3	0			0			
GHC15-1	EXPAGHC15-1-054	357	362	42		5	decomosed/friable rock, crumbles to the touch in areas; breccia as above	5		0	4	3	2	0	0	1	0	3	0			0			
GHC15-1	EXPAGHC15-1-055	362	367	42		5		5		0	5	4	2	0	0	3	0	4	0			0	54		
GHC15-1	EXPAGHC15-1-056	367	372	42		3		2		0	1	1	4	0	0	0	0	3	0			2			
GHC15-1	EXPAGHC15-1-057	372	377	42		3		2		0	1	1	4	0	0	0	0	3	0			2			
GHC15-1	EXPAGHC15-1-058	377	382	31	10	2	379-381.5' Tphk dike (?), indistinct contact	4		0	2	1	3	0	0	0	0	3	0			0			
GHC15-1	EXPAGHC15-1-059	382	387	42	10	3	back to heterolithic microbreccia as above	3		0	4	2	3	0	0	0	0	4	0			0			
GHC15-1	EXPAGHC15-1-060	387	392	42		3		3		0	3	2	4	0	0	0	0	4	0			2			
GHC15-1	EXPAGHC15-1-061	392	397	42		3		2		0	3	2	4	0	0	0	0	3	0			2			
GHC15-1	EXPAGHC15-1-062	397	402	42		3		3		0	3	2	4	0	0	0	0	3	0			1			
GHC15-1	EXPAGHC15-1-063	402	407	42		3		5		0	4	2	3	0	0	0	0	3	0			0			
GHC15-1	EXPAGHC15-1-064	407	412	42		5	rubble zone	5		0	5	3	3	0	0	2	0	4	0			0	54		
GHC15-1	EXPAGHC15-1-065	412	417	42		5	limonite + hematite	5		0	5	3	2	0	0	3	0	4	0			0	55		
GHC15-1	EXPAGHC15-1-066	417	422	42		5		5		0	5	3	2	0	0	0	0	4	0			0			
GHC15-1	EXPAGHC15-1-067	422	427	42		5		5		0	5	4	2	0	0	0	0	4	0			0	55		
GHC15-1	EXPAGHC15-1-068	427	432	81	10	9	427-430' brecciated clay cement	5		0	5	4	2	0	0	0	0	5	0			0	54		
GHC15-1	EXPAGHC15-1-069	432	437	42	10	9	pervasive clay as above, but not breccia cement	5		0	5	4	2	0	0	0	0	5	0			0	54		
GHC15-1	EXPAGHC15-1-070	437	442	42		5	clays mixed with limonite	5		0	4	3	3	0	0	2	0	3	0			0	54		
GHC15-1	EXPAGHC15-1-071	442	447	42		3		5		0	3	3	3	0	0	2	0	3	0			0	54		
GHC15-1	EXPAGHC15-1-072	447	452	42		5		5		0	4	3	3	0	0	2	0	3	0			0	55		hematite - botryoidal and replacing pyrite
GHC15-1	EXPAGHC15-1-073	452	457	42		5		5		0	4	3	3	0	0	2	0	3	0			0	55		
GHC15-1	EXPAGHC15-1-074	457	462	42		5		5		0	4	3	3	0	0	2	0	3	0			0	55		
GHC15-1	EXPAGHC15-1-075	462	467	42		5		5		0	5	3	4	0	0	2	0	3	0			0	55		
GHC15-1	EXPAGHC15-1-076	467	472	42		5	healed joints...decomposing in areas, friable	5		0	4	3	3	0	0	2	0	3	0			0	55		
GHC15-1	EXPAGHC15-1-077	472	477	42		5		5		0	4	2	3	0	0	2	0	3	0			0	55		
GHC15-1	EXPAGHC15-1-078	477	482	42		5		5		0	4	2	3	0	0	2	0	3	0			0	55		
GHC15-1	EXPAGHC15-1-079	482	489	8	10	9	484.5-488' missing (void/no recovery), combined into 1 sample; 489' next run block, decomosed clay	5		0	5	3	2	0	0	2	0	3	0			0	55		
GHC15-1	EXPAGHC15-1-080	489	494	42	10	9	decomposed clay zone, heterolithic breccia as above	5		0	5	3	2	0	0	2	0	3	0			0	55		
GHC15-1	EXPAGHC15-1-081	494	499	8	10	9	decomposed as above	5		0	5	4	2	0	0	2	0	3	0			0	55		
GHC15-1	EXPAGHC15-1-082	499	504	42	10	3		4		0	3	3	3	0	0	1	0	4	0			0	55		
GHC15-1	EXPAGHC15-1-083	504	509	42		3		3		0	2	2	4	0	0	1	0	4	0			0	55		
GHC15-1	EXPAGHC15-1-084	509	514	42		5	decomposing, core is extremely friable	5		0	5	3	2	0	0	1	0	3	0			0	55		
GHC15-1	EXPAGHC15-1-085	514	519	42		2	moderately-strongly competent zone, good heterolithic brx texture	4		0	2	2	4	0	0	1	0	4	0	514-517' strong-pervasive potassic flooding		2	55		disseminated py in unoxidized zones
GHC15-1	EXPAGHC15-1-086	519	524	42		2	stockwork frx, semi-healed w/ Fe ox	5		0	3	2	4	0	0	1	0	4	0			1	55		
GHC15-1	EXPAGHC15-1-087	524	529	42		5	frx as above, but much more friable	5		0	4	3	2	0	0	2	0	4	0			0	55		
GHC15-1	EXPAGHC15-1-088	529	534	42		5		5		0	5	3	3	0	0	2	0	4	0			0	55		
GHC15-1	EXPAGHC15-1-089	534	539	42		5		5		0	5	3	3	0	0	2	0	4	0			0	55		
GHC15-1	EXPAGHC15-1-090	539	544	42		3		4		0	3	3	4	0	0	2	0	3	0	540-542' concentrated potassic flooding (adularia?)		2	55		diss py in unoxidized zones
GHC15-1	EXPAGHC15-1-091	544	549	42		5		5		0	3	3	3	0	0	2	0	3	0			0	55		
GHC15-1	EXPAGHC15-1-092	549	554	42		5		5		0	5	3	3	0	0	2	0	4	0			0	55		
GHC15-1	EXPAGHC15-1-093	554	559	42		3		5		0	4	3	4	0	0	1	0	4	0			1	55		
GHC15-1	EXPAGHC15-1-094	559	564	42		5		5		0	5	3	3	0	0	2	0	4	0			0	55		
GHC15-1	EXPAGHC15-1-095	564	569	42		5		5		0	5	3	3	0	0	2	0	4	0			0	55		
GHC15-1	EXPAGHC15-1-096	569	574	42		5		5		0	5	3	3	0	0	2	0	4	0			0	55		
GHC15-1	EXPAGHC15-1-097	574	579	42		5	decomosed, friable, heterolithic microbreccia as above	5	mixed Fe ox + limonite as above, frx controlled	0	5	3	2	0	0	2	0	4	0			0	55		
GHC15-1	EXPAGHC15-1-098	579	584	42		5		5		0	5	3	3	0	0	1	0	4	0			0	55		
GHC15-1	EXPAGHC15-1-099	584	589	42		5		5		0	5	3	2	0	0	1	0	5	0	texture obliterated by decomposition/clay alteration		0			
GHC15-1	EXPAGHC15-1-100	589	594	42		5		5		0	4	2	2	0	0	1	0	5	0			0			
GHC15-1	EXPAGHC15-1-101	594	599	42		3		4		0	3	2	4	0	0	1	0	4	0	moderate-strong potassic flooding (adularia?)		1	55		reddish-brown hematite crust on frx surfaces
GHC15-1	EXPAGHC15-1-102	599	604	42		2		3		1	2	2	4	0	0	1	0	4	0	concentrated, hard-packed wht clay in frx/veinlets		3	55		py occuring as clusters of vfg xls

Hole Number	Sample Number	Depth from	Depth to	Rock type	Contact	Structure	Lithology comment	Oxidation	Oxidation comment	Specularite	Argillic	Sericitic	Potassic	Propylitic	Silification	Sulfate	Carbonate	Bleached	Biotite	Alteration comment	Mineralization	Pyrite	Gangue	Quartz	Mineralization comment
GHC15-1	EXPAGHC15-1-103	604	609	42		5		4		1	3	2	3	0	0	1	0	4	0			0	55		
GHC15-1	EXPAGHC15-1-104	609	614	42		3		5		1	2	2	3	0	0	1	0	3	0			0	55		
GHC15-1	EXPAGHC15-1-105	614	619	42		2		4		1	2	2	3	0	0	1	0	3	0			0	55		
GHC15-1	EXPAGHC15-1-106	619	624	42		2		3		1	2	2	4	0	0	1	0	3	0			0	55		hemitite in fx as above, ox healed fx
GHC15-1	EXPAGHC15-1-107	624	629	42		3	altered, competent, heterolithic microbreccia	3		1	2	2	3	0	0	1	0	2	0	slight potassic flooding, wht clay in fx as above		2	55		
GHC15-1	EXPAGHC15-1-108	629	634	42		3		3	Fe ox as above	1	2	3	3	0	0	1	0	2	0			1	55		
GHC15-1	EXPAGHC15-1-109	634	639	42		2		3		1	2	3	3	0	0	1	0	2	0			0	55		
GHC15-1	EXPAGHC15-1-110	639	644	42		1		2		1	2	3	3	0	0	1	0	2	0	moderate potassic flooding along wht clay-filled fx		1	54		
GHC15-1	EXPAGHC15-1-111	644	649	42		2		2		1	2	3	3	0	0	1	0	2	0			1	55		
GHC15-1	EXPAGHC15-1-112	649	654	42		5	decomposed, friable, heterolithic microbreccia	5		0	4	2	1	0	0	1	0	3	0			0	55		
GHC15-1	EXPAGHC15-1-113	654	659	42		3		4		0	4	3	1	0	0	1	0	4	0			0	55		
GHC15-1	EXPAGHC15-1-114	659	664	42		3		3		0	3	3	2	0	0	1	0	4	0			0	55		
GHC15-1	EXPAGHC15-1-115	664	669	42		3		4		1	3	2	2	0	0	1	0	3	0			0	55		
GHC15-1	EXPAGHC15-1-116	669	674	42		3		3		0	3	2	4	0	0	0	0	3	0	boxworks texture--pyrite cubes relaced with hematite fill		0	55		
GHC15-1	EXPAGHC15-1-117	674	679	42		3		2		0	4	2	2	0	0	0	0	4	0			0	55		
GHC15-1	EXPAGHC15-1-118	679	684	42		3	very mottled texture, spotty pyrite blebs throughout	4	stockwork frx (healed) hosts Fe ox + selvages	0	2	2	3	0	0	0	0	3	0			2	55		
GHC15-1	EXPAGHC15-1-119	684	689	42		3		2		0	4	2	4	0	0	0	0	3	0	684-685' 2-4 cm thick wht clay vein (kaolinite), very hard-packed, porcelainous texture		3			
GHC15-1	EXPAGHC15-1-120	689	694	42		3		4		0	1	2	4	0	0	0	0	3	0			2	55		
GHC15-1	EXPAGHC15-1-121	694	699	42		2		2		0	1	2	4	0	0	0	0	3	0	strong potassic alt along frx, w/ 1-2 cm selvages		1			
GHC15-1	EXPAGHC15-1-122	699	704	42		2	703-704' Tphk dike 4 cm thick	3		0	1	2	4	0	0	0	0	3	0			1			
GHC15-1	EXPAGHC15-1-123	704	709	42		2		4	leisegang banding in Fe ox	2	2	2	4	0	0	1	0	3	0	strong potassic flooding w/ kaolinite veins throughout; texture overprinted		0			
GHC15-1	EXPAGHC15-1-124	709	714	42		3	original breccia texture completely overprinted by oxide + alteration	5		2	4	3	4	0	0	1	0	3	0	ghost/relict clasts faintly visible; weak dissolution and infill w/ oxides		0	55		hematite replacing py cubes
GHC15-1	EXPAGHC15-1-125	714	719	34	10	3	indistinct contact to undiff phonolite, faint lath-shaped phenos	3		1	3	3	4	0	0	0	0	3	0			2			
GHC15-1	EXPAGHC15-1-126	719	724	34		2		2		1	2	2	4	0	0	0	0	3	0			3			
GHC15-1	EXPAGHC15-1-127	724	729	34		2		4		2	2	2	4	0	0	0	0	3	0			2	55		
GHC15-1	EXPAGHC15-1-128	729	734	34		2		5		2	3	2	4	0	0	0	0	3	0			0	55		
GHC15-1	EXPAGHC15-1-129	734	739	42	10	2	grades back into heterolithic microbreccia, indistinct, altered clasts	4		3	2	2	4	0	0	0	0	3	0	specularite flooding in matrix, potassic alteration overprinting oxides along frx		0	55		
GHC15-1	EXPAGHC15-1-130	739	744	42		3		5		3	3	2	3	0	0	0	0	3	0			0	55		
GHC15-1	EXPAGHC15-1-131	744	749	34	10	3	undifferentiated porphyritic phonolite as above	5		3	3	2	3	0	0	0	0	3	0			0	55		
GHC15-1	EXPAGHC15-1-132	749	754	34		3		5		4	3	2	3	0	0	2	0	3	0	specularite and ocher limonite forming leisegang banding patterns throughout		0	55		bright yellow, powdery mineral on frx surfaces as a crust -- alunite or jarosite?
GHC15-1	EXPAGHC15-1-133	754	759	42	10	3		5		4	3	2	3	0	0	1	0	3	0			0	55		
GHC15-1	EXPAGHC15-1-134	759	764	42	10	3		2		2	3	2	4	0	0	0	0	4	0			2			
GHC15-1	EXPAGHC15-1-135	764	769	42		3		5		4	2	2	3	0	0	0	0	4	0			0			
GHC15-1	EXPAGHC15-1-136	769	774	42		2		4		3	3	2	4	0	0	0	0	4	0			0			
GHC15-1	EXPAGHC15-1-137	774	779	34	10	3	extremely mottled texture, no discernable clasts, Tphu as above	1		0	3	2	4	0	0	0	0	4	0	potassic flooding prominent along frx with selvages 1-2 cm seeping into groundmass		2			
GHC15-1	EXPAGHC15-1-138	779	784	34		5		0		0	4	2	4	0	0	0	0	3	0			2			
GHC15-1	EXPAGHC15-1-139	784	789	34		3	frx very weakly healed w/ kaolinite, core breaks easily	0		0	4	3	3	0	0	0	0	3	0			3			
GHC15-1	EXPAGHC15-1-140	789	794	34		3	possible xenoliths, <1 cm, doesnt look like breccia overall	0		0	4	3	3	0	0	0	0	4	0	alteration/bleaching looks zoned, stronger in some areas, very irregular		3			
GHC15-1	EXPAGHC15-1-141	794	799	34		3		0		0	4	3	3	0	0	0	0	4	0	py replacing lath-shaped phenos--possibly relict mafics		3			
GHC15-1	EXPAGHC15-1-142	799	804	34		2		2	800-851' patchy Fe ox, reddish-brown	0	3	3	3	0	0	0	0	3	0			2	55		
GHC15-1	EXPAGHC15-1-143	804	809	34		2		4	oxide healed frx	0	2	2	3	0	0	0	0	3	0			2	55		
GHC15-1	EXPAGHC15-1-144	809	814	34		2		2		0	3	2	3	0	0	0	0	3	0			3			
GHC15-1	EXPAGHC15-1-145	814	819	34		3		2		0	3	2	3	0	0	0	0	3	0			2			
GHC15-1	EXPAGHC15-1-146	819	824	34		3		0		0	4	2	3	0	0	0	0	3	0			1			
GHC15-1	EXPAGHC15-1-147	824	829	34		3		2		0	3	2	3	0	0	0	0	3	0			2	55		
GHC15-1	EXPAGHC15-1-148	829	834	34		2	no distinct texture, blotchy, mottled groundmass	3		1	2	2	3	0	0	0	0	3	0			1	55		
GHC15-1	EXPAGHC15-1-149	834	839	34		3		2		1	4	2	3	0	0	0	0	3	0	wht kaolinite coating frx surfaces, minor slickensides		1			

Hole Number	Sample Number	Depth from	Depth to	Rock type	Contact	Structure	Lithology comment	Oxidation	Oxidation comment	Specularite	Argillic	Sericitic	Potassic	Propylitic	Silification	Sulfate	Carbonate	Bleached	Biotite	Alteration comment	Mineralization	Pyrite	Gangue	Quartz	Mineralization comment
GHC15-1	EXPAGHC15-1-150	839	844	42	10	3	back into heterolithic microbreccia, possibly glancing along the contact, angular clasts	5	patchy oxidation, almost leisegang banding	1	2	1	3	0	0	0	0	3	0			0	55		
GHC15-1	EXPAGHC15-1-151	844	849	42		3		5		1	1	1	3	0	0	1	0	3	0	pock-marked texture - dissolution of sulfides replaced w/ Fe oxide		0	55		
GHC15-1	EXPAGHC15-1-152	849	854	34	10	3	cuts back to poorly-differentiated phonolite, weakly porphyritic	1	852' Fe ox cuts off sharply past this depth	1	1	1	2	0	0	1	0	3	0			1	55		
GHC15-1	EXPAGHC15-1-153	854	859	34		3		0		0	3	2	3	0	0	0	0	3	0			3			moderate replacement of feldspars (?) w/ pyrite, occurring in blotchy clusters, vfg
GHC15-1	EXPAGHC15-1-154	859	864	34		3	weak flow banding around xenoliths (likely breccia xenoliths, but texture is overprinted)	0		0	3	2	2	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-155	864	869	34		3		0		0	3	2	2	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-156	869	874	34		3		0		0	3	2	2	0	0	0	0	4	0			2			
GHC15-1	EXPAGHC15-1-157	874	879	34		5		0		0	3	2	2	0	0	0	0	3	0			1			
GHC15-1	EXPAGHC15-1-158	879	884	34		3		0		0	3	2	3	0	0	0	0	3	0			2			
GHC15-1	EXPAGHC15-1-159	884	889	34		5		0		0	3	2	3	0	0	0	0	3	0			2			
GHC15-1	EXPAGHC15-1-160	889	894	34		5		0		0	3	2	3	0	0	0	0	3	0			3			
GHC15-1	EXPAGHC15-1-161	894	899	34		5		0		0	4	2	3	0	0	0	0	3	0			3			
GHC15-1	EXPAGHC15-1-162	899	904	34		5		0		0	4	2	3	0	0	0	0	3	0			2			
GHC15-1	EXPAGHC15-1-163	904	909	34		5		0		0	3	2	3	0	0	0	0	4	0			4			
GHC15-1	EXPAGHC15-1-164	909	914	34		5	brecciated zone - late stage, cemented w/ kaolinite	0		0	3	2	3	0	0	0	0	4	0			4			
GHC15-1	EXPAGHC15-1-165	914	919	34		3		0		0	3	2	3	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-166	919	924	34		3		0		0	4	2	3	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-167	924	929	34		5	stockwork frx; texture overprinted, weak xenoliths	0		0	4	3	3	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-168	929	934	34		5		0		0	3	3	3	0	0	0	0	3	0			2			
GHC15-1	EXPAGHC15-1-169	934	939	34		5		0		0	3	3	3	0	0	0	0	3	4	prominent zones of green-brown biotite alteration, vfg, associated w/ pyrite		3			
GHC15-1	EXPAGHC15-1-170	939	944	34		5		0		0	3	3	3	0	0	0	0	3	4			3			
GHC15-1	EXPAGHC15-1-171	944	949	34		5		0		0	3	3	3	0	0	0	0	2	3			3			
GHC15-1	EXPAGHC15-1-172	949	954	34		5		0		0	4	3	3	0	0	0	0	2	4			3			
GHC15-1	EXPAGHC15-1-173	954	959	34		5		0		0	4	3	2	0	0	0	0	2	3			3			
GHC15-1	EXPAGHC15-1-174	959	964	34		5	minor flow banding?	0		0	3	3	2	0	0	0	0	2	4			3			finely disseminated biotite (secondary)
GHC15-1	EXPAGHC15-1-175	964	969	34		5		0		0	3	2	2	0	0	0	0	2	4			2			
GHC15-1	EXPAGHC15-1-176	969	974	34		5		0		0	3	2	2	0	0	0	0	2	3			2			
GHC15-1	EXPAGHC15-1-177	974	979	34		5		0		0	3	2	2	0	0	0	0	2	3			2			
GHC15-1	EXPAGHC15-1-178	979	984	42	10	5	grades back into extremely altered heterolithic microbreccia, angular clasts	0		0	4	2	3	0	0	0	0	2	3			3			
GHC15-1	EXPAGHC15-1-179	984	989	42		5		0		0	4	2	3	0	0	0	0	2	1			3			
GHC15-1	EXPAGHC15-1-180	989	994	42		5		0		0	4	3	3	0	0	0	0	3	0			2			
GHC15-1	EXPAGHC15-1-181	994	999	42		5		0		0	4	3	3	0	0	0	0	3	0			2			
GHC15-1	EXPAGHC15-1-182	999	1004	42		5		0		0	3	3	3	0	0	0	0	3	1			3			
GHC15-1	EXPAGHC15-1-183	1004	1009	42		5		0		0	4	3	3	0	0	0	0	2	0			3			
GHC15-1	EXPAGHC15-1-184	1009	1014	42		5		0		0	3	3	3	0	0	0	0	2	0			3			
GHC15-1	EXPAGHC15-1-185	1014	1019	42		5		0		0	4	3	3	0	0	0	0	3	0			2			
GHC15-1	EXPAGHC15-1-186	1019	1024	42		3		0		0	4	3	3	0	0	0	0	3	0	wht kaolinite frx fill throughout		2			
GHC15-1	EXPAGHC15-1-187	1024	1029	42		3		0		0	2	2	3	0	0	0	0	3	0			2			
GHC15-1	EXPAGHC15-1-188	1029	1034	42		3		0		0	2	2	4	0	0	0	0	2	5	pervasive secondary biotite throughout, forming rims around clasts		3			
GHC15-1	EXPAGHC15-1-189	1034	1039	42		5		0		0	3	3	4	0	0	0	0	3	2			3			
GHC15-1	EXPAGHC15-1-190	1039	1044	42		3		0		0	2	2	4	0	0	0	0	3	3			2			
GHC15-1	EXPAGHC15-1-191	1044	1049	42		3		0		0	2	2	5	0	0	0	0	2	5			3			
GHC15-1	EXPAGHC15-1-192	1049	1054	42			2 patchy, mottled breccia as above, clasts are overprinted by biotite + argillic alteration	0		0	3	3	4	0	0	0	0	2	5			3			
GHC15-1	EXPAGHC15-1-193	1054	1059	42		5		0		0	3	3	3	0	0	1	0	2	5			3			tr alunite?
GHC15-1	EXPAGHC15-1-194	1059	1064	42		5	matrix is extremely grainy; larger 'clasts' may actually be alteration (alteration pseudobreccia)	0		0	3	3	4	0	0	0	0	3	3	zoned biotite + pyrite alteration resembles clasts		3			
GHC15-1	EXPAGHC15-1-195	1064	1069	42		5		0		0	3	2	3	0	0	0	0	4	2			3			
GHC15-1	EXPAGHC15-1-196	1069	1074	42		5		0		0	3	2	3	0	0	0	0	4	1			3			
GHC15-1	EXPAGHC15-1-197	1074	1079	42		5	very friable	0		0	3	3	3	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-198	1079	1084	36	10	3	indistinct contact to mafic phonolite, lath-shaped to acicular black xls (hornblende?) + biotite	0		0	3	3	3	0	0	0	0	2	5			3			
GHC15-1	EXPAGHC15-1-199	1084	1089	36		3	mixed mafic phonolite to breccia 2:1 ratio	0		0	3	2	3	0	0	0	0	2	5			3			

Hole Number	Sample Number	Depth from	Depth to	Rock type	Contact	Structure	Lithology comment	Oxidation	Oxidation comment	Specularite	Argillic	Sericitic	Potassic	Propylitic	Silification	Sulfate	Carbonate	Bleached	Biotite	Alteration comment	Mineralization	Pyrite	Gangue	Quartz	Mineralization comment
GHC15-1	EXPAGHC15-1-200	1089	1094	34	10	3	grades into mottled phonolite, no distinct phenocrysts or clasts	0		0	3	3	3	0	0	0	0	3	1			3			
GHC15-1	EXPAGHC15-1-201	1094	1099	34		5		0		0	3	3	3	0	0	0	0	4	0			2			
GHC15-1	EXPAGHC15-1-202	1099	1104	34		5		0		0	4	3	3	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-203	1104	1109	34		3		0		0	4	3	3	0	0	0	0	4	0			4			
GHC15-1	EXPAGHC15-1-204	1109	1114	42	10	3	back to a more distinct, heterolithic breccia	0		0	4	3	3	0	0	0	0	3	0	pyrite replacing clasts		4			
GHC15-1	EXPAGHC15-1-205	1114	1119	42		5	decomposed, friable rock	0		0	3	3	3	0	0	0	0	3	0			4			pyrite + kaolinite veinlets throughout
GHC15-1	EXPAGHC15-1-206	1119	1124	42		3		0		0	3	2	3	0	0	0	0	3	0			3			
GHC15-1	EXPAGHC15-1-207	1124	1129	42		3		0		0	3	2	3	0	0	0	0	3	0			3			
GHC15-1	EXPAGHC15-1-208	1129	1134	42		3		0		0	3	3	4	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-209	1134	1139	42		2		0		0	2	2	3	0	0	0	0	5	0	extremely bleached, has a 'leopard print' texture with rounded clasts replaced w/ py + med gry fields		3			
GHC15-1	EXPAGHC15-1-210	1139	1144	42		3		0		0	2	2	3	0	0	0	0	5	0			3			
GHC15-1	EXPAGHC15-1-211	1144	1149	42		5		0		0	3	2	3	0	0	0	0	5	0			3			
GHC15-1	EXPAGHC15-1-212	1149	1154	42		5		0		0	3	2	4	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-213	1154	1159	42		5		0		0	3	2	4	0	0	0	0	4	0			2			
GHC15-1	EXPAGHC15-1-214	1159	1164	42		5		0		0	3	3	3	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-215	1164	1169	42		5	1169-1435' extremely broken up, friable, decomposed rock, no competency	0		0	4	3	3	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-216	1169	1174	42		5	fault zone past this depth? rock crumbles to the touch. gravely/sandy in places throughout	0		0	4	3	3	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-217	1174	1179	42		5		0		0	3	3	3	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-218	1179	1184	42		5		0		0	3	3	3	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-219	1184	1189	42		5		0		0	3	3	3	0	0	0	0	3	0			3			
GHC15-1	EXPAGHC15-1-220	1189	1194	42		5		0		0	3	2	3	0	0	0	0	3	0			3			
GHC15-1	EXPAGHC15-1-221	1194	1199	42		5		0		0	4	3	3	0	0	0	0	3	0			2			
GHC15-1	EXPAGHC15-1-222	1199	1204	42		5	texture completely obliterated, no discernable structures or features	0		0	4	3	3	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-223	1204	1209	42		5	core is held in shape by drilling muds, but crumbles/breaks apart when handled	0		0	4	3	3	0	0	0	0	4	0	strong to pervasive bleaching throughout, strong clay alteration makes core soft		3			pyrite replacement throughout, veins occasionally
GHC15-1	EXPAGHC15-1-224	1209	1214	42		5		0		0	4	3	3	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-225	1214	1219	42		5		0		0	4	3	3	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-226	1219	1224	42		5		0		0	4	3	3	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-227	1224	1229	42		5		0		0	4	3	3	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-228	1229	1234	42		5		0		0	4	3	3	0	0	0	0	5	0			3			
GHC15-1	EXPAGHC15-1-229	1234	1239	42		5	weakly heterolithic, most clasts replaced by clays + pyrite	0		0	4	3	3	0	0	0	0	5	0			3			
GHC15-1	EXPAGHC15-1-230	1239	1244	42		5	tr mafic porphyritic phonolite clasts (hornblend dominant?)	0		0	4	3	3	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-231	1244	1249	42		5	1248-1251' core has distinct light purple color due to disseminated fluorite flooding in matrix	0		0	4	3	4	0	0	0	0	5	0	very fine grained, disseminated purple fluorite in matrix		3	41		41= fluorite clusters/clots
GHC15-1	EXPAGHC15-1-232	1249	1254	42		5		0		0	4	4	4	0	0	0	0	5	0	disseminated fluorite as above		3	41		
GHC15-1	EXPAGHC15-1-233	1254	1259	42		5		0		0	4	4	4	0	0	0	0	3	0			3	41		
GHC15-1	EXPAGHC15-1-234	1259	1264	42		5		0		0	4	4	4	0	0	0	0	3	0			3	41		
GHC15-1	EXPAGHC15-1-235	1264	1269	42		5	1264-1264.5' vein of hydrothermal breccia w/ clay (kaolinite) cement	0		0	4	4	4	0	0	0	0	3	0			3			
GHC15-1	EXPAGHC15-1-236	1269	1274	22	9	3	~1272-1277' med-dark gray aphanitic phonolite dike cuts through	0		0	2	3	4	0	0	0	0	3	0			1			greenish staining rarely on clasts, possible Cu oxide?
GHC15-1	EXPAGHC15-1-237	1274	1279	22		3		0		0	2	3	4	0	0	0	0	3	0			1			
GHC15-1	EXPAGHC15-1-238	1279	1284	42	9	5	1279-1281' very fine disseminated fluorite as above, gives core a light purple color	0		0	3	4	3	0	0	0	0	4	0			3			greenish-blue stain, similar to above, on rare clasts, looks like Cu oxide
GHC15-1	EXPAGHC15-1-239	1284	1289	42		5		0		0	5	4	3	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-240	1289	1294	42		5		0		0	5	4	3	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-241	1294	1299	42		5		0		0	3	3	3	0	0	0	0	4	0			5			pervasive replacement of clasts w/ pyrite
GHC15-1	EXPAGHC15-1-242	1299	1304	42		5		0		0	4	4	3	0	0	0	0	5	0			5			
GHC15-1	EXPAGHC15-1-243	1304	1309	42		5		0		0	4	4	4	0	0	0	0	5	0			5			
GHC15-1	EXPAGHC15-1-244	1309	1314	42		5		0		0	4	4	4	0	0	0	0	5	0			5			
GHC15-1	EXPAGHC15-1-245	1314	1319	42		5		0		0	4	4	4	0	0	0	0	5	0			5			
GHC15-1	EXPAGHC15-1-246	1319	1324	42		5		0		0	4	3	4	0	0	0	0	4	0			4			
GHC15-1	EXPAGHC15-1-247	1324	1329	42		5		0		0	4	3	4	0	0	0	0	4	0			4			
GHC15-1	EXPAGHC15-1-248	1329	1334	42		5		0		0	4	3	4	0	0	0	0	4	0			5			
GHC15-1	EXPAGHC15-1-249	1334	1339	42		5		0		0	4	3	3	0	0	0	0	5	0			3			
GHC15-1	EXPAGHC15-1-250	1339	1344	42		5	some angular clasts, clasts within clasts, heterolithic	0		0	4	4	4	0	0	0	0	3	0			3			
GHC15-1	EXPAGHC15-1-251	1344	1349	42		5		0		0	3	4	4	0	0	0	0	4	0			3			

Hole Number	Sample Number	Depth from	Depth to	Rock type	Contact	Structure	Lithology comment	Oxidation	Oxidation comment	Specularite	Argillic	Sericitic	Potassic	Propylitic	Silification	Sulfate	Carbonate	Bleached	Biotite	Alteration comment	Mineralization	Pyrite	Gangue	Quartz	Mineralization comment
GHC15-1	EXPAGHC15-1-252	1349	1354	42		5		0		0	3	4	4	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-253	1354	1359	42		5		0		0	3	4	4	0	0	0	0	5	0	occasional pieces of core are competent, but stockwork frx and alteration cause the core to crumble		5			1357.6' pyrite vein, 3-4 cm thick
GHC15-1	EXPAGHC15-1-254	1359	1364	42		5		0		0	3	3	4	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-255	1364	1369	42		5		0		0	3	3	3	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-256	1369	1374	42		5		0		0	3	3	3	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-257	1374	1379	42		10	moderate fault gouge, very sandy, decomposed	0		0	3	4	3	0	0	0	0	5	0			4			
GHC15-1	EXPAGHC15-1-258	1379	1384	42		5		0		0	3	4	4	0	0	0	0	4	0			2			tr magnetite
GHC15-1	EXPAGHC15-1-259	1384	1389	42		5		0		0	3	4	4	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-260	1389	1394	42		5		0		0	3	4	3	0	0	0	0	4	0			4			pyrite strongly concentrated along frx
GHC15-1	EXPAGHC15-1-261	1394	1399	38	10	5	Porphyritic phonolite, range of phenocryst sizes 1 mm - 1 cm, wht, subhedral, no clasts observed	0		0	3	3	4	0	0	0	0	3	0			2			
GHC15-1	EXPAGHC15-1-262	1399	1404	38		5		0		0	2	3	4	0	0	0	0	3	0			2	41		41=tr-weak purple fluorite
GHC15-1	EXPAGHC15-1-263	1404	1409	42	10	5		0		0	3	3	3	0	0	0	0	3	0			3	41		
GHC15-1	EXPAGHC15-1-264	1409	1414	42		5		0		0	3	3	3	0	0	0	0	3	0			3			
GHC15-1	EXPAGHC15-1-265	1414	1419	42		5		0		0	3	4	3	0	0	0	0	3	0			3	41		
GHC15-1	EXPAGHC15-1-266	1419	1424	42		5		0		0	3	4	3	0	0	0	0	4	0			3	41		
GHC15-1	EXPAGHC15-1-267	1424	1429	42		5		0		0	4	4	3	0	0	0	0	3	0	1424-1428' decomposing into greenish-brown clays		4	41		
GHC15-1	EXPAGHC15-1-268	1429	1434	42		5		0		0	4	4	3	0	0	0	0	3	0			3			
GHC15-1	EXPAGHC15-1-269	1434	1439	42		5		0		0	3	3	3	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-270	1439	1444	42		5	heterolithic breccia, large angular clasts up to 4 cm	0		0	3	3	3	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-271	1444	1449	42		5		0		0	2	3	3	0	0	0	0	3	0			2			
GHC15-1	EXPAGHC15-1-272	1449	1454	42		5		0		0	3	3	3	0	0	0	0	4	0	tr pink-wht alteration occuring along planar structures assoc. with moderate dissolution, 1-2 cm		3	41		
GHC15-1	EXPAGHC15-1-273	1454	1459	42		3	slightly more competent core	0		0	3	2	3	0	0	0	0	3	0	same pink-wht alteration as above, planar, vein-like zone of alteration, 1-2 cm thick, trace		3	41		
GHC15-1	EXPAGHC15-1-274	1459	1464	42		5		0		0	3	2	4	0	0	0	0	3	0			3	41		
GHC15-1	EXPAGHC15-1-275	1464	1469	42		5	core is highly friable, fragments break apart to the touch, breccia as above	0		0	3	3	4	0	0	0	0	3	0			3	41		
GHC15-1	EXPAGHC15-1-276	1469	1474	42		5		0		0	3	3	4	0	0	0	0	3	0			2	41		
GHC15-1	EXPAGHC15-1-277	1474	1479	42		5		0		0	3	3	4	0	0	0	0	3	0	formation of pink-wht mineral above, hardness=~5, orthoclase/adularia, has 1 obsvd cleavage plane		4	41		rich euhedral pyrite intergrown with purple fluorite
GHC15-1	EXPAGHC15-1-278	1479	1484	42		5		0		0	3	3	4	0	0	0	0	3	0			4	41		
GHC15-1	EXPAGHC15-1-279	1484	1489	42		5		0		0	3	3	4	0	0	0	0	3	0	pink-wht mineral as above-possibly rhodochrosite, but doesn't react to 10% HCl even when scratched		3	41		
GHC15-1	EXPAGHC15-1-280	1489	1494	42		5		0		0	3	3	3	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-281	1494	1499	42		5		0		0	3	3	3	0	0	0	0	3	0			3			1499' greenish clay on frx surfaces - nontronite?
GHC15-1	EXPAGHC15-1-282	1499	1504	42		9	core is decomposed into sandy/gravelly clay	0		0	5	5	2	0	0	0	0	5	0			3			
GHC15-1	EXPAGHC15-1-283	1504	1509	42		9		0		0	4	4	3	0	0	0	0	5	0			3			
GHC15-1	EXPAGHC15-1-284	1509	1514	42		5		0		0	4	4	3	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-285	1514	1519	42		9		0		0	5	5	3	0	0	0	0	4	0		60	4			60=galena, rare cubic galena associated w/ pyrite
GHC15-1	EXPAGHC15-1-286	1519	1524	42		5		0		0	4	4	2	0	0	0	0	4	0			4	41		41=vfg disseminated purple fluorite
GHC15-1	EXPAGHC15-1-287	1524	1529	42		5	extremely friable	0		0	3	3	2	0	0	0	0	3	0		60	4			tr cubic galena
GHC15-1	EXPAGHC15-1-288	1529	1534	42		5		0		0	3	4	2	0	0	0	0	3	0	1532-1534' sericite mixed with fluorite?		4	41		
GHC15-1	EXPAGHC15-1-289	1534	1539	42		5		0		0	3	4	2	0	0	0	0	3	0			4	41		
GHC15-1	EXPAGHC15-1-290	1539	1544	42		5		0		0	3	4	2	0	0	0	0	3	0			4			
GHC15-1	EXPAGHC15-1-291	1544	1549	42		5		0		0	3	4	2	0	0	0	0	3	0		60	4			60=galena intergrown w/ pyrite
GHC15-1	EXPAGHC15-1-292	1549	1554	42		5		0		0	3	4	2	0	0	0	0	4	0		60	4			
GHC15-1	EXPAGHC15-1-293	1554	1559	42		5		0		0	3	4	2	0	0	0	0	4	0		60	4			
GHC15-1	EXPAGHC15-1-294	1559	1564	42		5		0		0	2	4	2	0	0	0	0	4	0		60	4			
GHC15-1	EXPAGHC15-1-295	1564	1569	42		5		0		0	2	4	3	0	0	0	0	4	0			4			
GHC15-1	EXPAGHC15-1-296	1569	1574	42		5		0		0	2	4	3	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-297	1574	1579	42		5		0		0	3	4	3	0	0	0	0	4	0			4			
GHC15-1	EXPAGHC15-1-298	1579	1584	42		5		0		0	4	4	2	0	0	0	0	3	0			3			
GHC15-1	EXPAGHC15-1-299	1584	1589	42		5		0		0	3	4	4	0	0	0	0	4	0			4			
GHC15-1	EXPAGHC15-1-300	1589	1594	42		5		0		0	3	3	4	0	0	0	0	3	0			3			

Hole Number	Sample Number	Depth from	Depth to	Rock type	Contact	Structure	Lithology comment	Oxidation	Oxidation comment	Specularite	Argillic	Sericitic	Potassic	Propylitic	Silification	Sulfate	Carbonate	Bleached	Biotite	Alteration comment	Mineralization	Pyrite	Gangue	Quartz	Mineralization comment
GHC15-1	EXPAGHC15-1-301	1594	1599	42		5		0		0	3	3	3	0	0	0	0	3	0	1596' nontronite veinlet? 1 cm thick, light green clay		3			
GHC15-1	EXPAGHC15-1-302	1599	1604	42		5		0		0	2	3	3	0	0	0	0	3	0			3			
GHC15-1	EXPAGHC15-1-303	1604	1609	42		5		0		0	3	3	4	0	0	0	0	3	0			3			
GHC15-1	EXPAGHC15-1-304	1609	1614	42		5	heterolithic microbreccia, occasional angular clasts 3-4 cm	0		0	3	3	4	0	0	0	0	3	0			3			
GHC15-1	EXPAGHC15-1-305	1614	1619	42		5		0		0	4	4	3	0	0	0	0	3	0	mixed clays and sericite		3			
GHC15-1	EXPAGHC15-1-306	1619	1624	42		5		0		0	4	4	2	0	0	0	0	3	0			3			
GHC15-1	EXPAGHC15-1-307	1624	1629	42		5		0		0	3	3	2	0	0	0	0	3	0			4	41		very euhedral, cubic pyrite throughout
GHC15-1	EXPAGHC15-1-308	1629	1634	42		5		0		0	3	3	3	0	0	0	0	3	0		60	4	41		cubic galena
GHC15-1	EXPAGHC15-1-309	1634	1639	42		5		0		0	3	3	2	0	0	0	0	3	0		60	3	41		
GHC15-1	EXPAGHC15-1-310	1639	1644	42		5		0		0	3	3	3	0	0	0	0	3	0			4			
GHC15-1	EXPAGHC15-1-311	1644	1649	42		5		0		0	4	3	3	0	0	1	0	4	0			4	41		tr gypsum
GHC15-1	EXPAGHC15-1-312	1649	1654	42		5	very mottled texture, clasts partially fused into matrix and hard to differentiate	0		0	3	3	3	0	0	1	0	4	0	clasts being replaced w/ vfg pyrite		4	41		
GHC15-1	EXPAGHC15-1-313	1654	1659	42		5		0		0	3	3	3	0	0	1	0	4	0			4	41		
GHC15-1	EXPAGHC15-1-314	1659	1664	42		5		0		0	4	3	2	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-315	1664	1669	42		5		0		0	4	3	2	0	0	0	0	4	0			4			
GHC15-1	EXPAGHC15-1-316	1669	1674	42		5		0		0	4	4	2	0	0	0	0	5	0	extremely decomposed rock, original texture overprinted with argillic alt and pyrite replacement		5			pervasive vfg pyrite replacement
GHC15-1	EXPAGHC15-1-317	1674	1679	42		5	joint/frx set is perpendicular to core axis, high density, 1-3 cm frequency	0		0	3	4	3	0	0	0	0	5	0			4			
GHC15-1	EXPAGHC15-1-318	1679	1684	38	10	5	porphyritic phonolite, same as at 1394-1404'	0		0	2	3	2	0	0	0	0	5	0			4			
GHC15-1	EXPAGHC15-1-319	1684	1689	42		5		0		0	2	3	2	0	0	0	0	5	0			5	41		
GHC15-1	EXPAGHC15-1-320	1689	1694	42		5		0		0	3	4	2	0	0	2	0	5	0			5	41		terminated gypsum blades forming in frx
GHC15-1	EXPAGHC15-1-321	1694	1699	42		5		1	tr Fe ox	0	3	4	2	0	0	2	0	5	0			5	41		
GHC15-1	EXPAGHC15-1-322	1699	1704	42		5		1		0	3	4	2	0	0	2	0	5	0	pyrite has a purple tarnish		5	41		
GHC15-1	EXPAGHC15-1-323	1704	1709	42		5		1		0	3	4	2	0	0	2	0	5	0			5	41		
GHC15-1	EXPAGHC15-1-324	1709	1714	42		5		1		0	3	4	2	0	0	4	0	5	0			5	52		52=coarse, euhedral gypsum frx fill throughout
GHC15-1	EXPAGHC15-1-325	1714	1719	42		5	decomposed core as above, late-stage gypsum crystallization in veins/frx 1-2 cm thick	0		0	3	4	2	0	0	5	0	5	0			5	52		frx-fill gypsum acting as cement
GHC15-1	EXPAGHC15-1-326	1719	1724	42		5		0		0	3	4	2	0	0	5	0	5	0			5	52		
GHC15-1	EXPAGHC15-1-327	1724	1729	42		5		0		0	3	3	3	0	0	4	0	5	0			5	52		
GHC15-1	EXPAGHC15-1-328	1729	1734	42		5		0		0	3	3	3	0	0	4	0	5	0			4	52		
GHC15-1	EXPAGHC15-1-329	1734	1739	42		5		0		0	3	3	4	0	0	3	0	4	0			3	52		
GHC15-1	EXPAGHC15-1-330	1739	1744	42		5		0		0	3	3	4	0	0	3	0	4	0			4	41		vfg gypsum (selenite) associated w/ pyrite + fluorite
GHC15-1	EXPAGHC15-1-331	1744	1749	42		5		0		0	3	3	4	0	0	3	0	5	0			4	41		
GHC15-1	EXPAGHC15-1-332	1749	1754	42		5		0		0	3	3	4	0	0	3	0	4	0			4	41		
GHC15-1	EXPAGHC15-1-333	1754	1759	42		5		0		0	4	3	3	0	0	2	0	4	0			3	41		
GHC15-1	EXPAGHC15-1-334	1759	1764	42		5	texture is very mottled, clasts are hard to differentiate	0		0	4	4	3	0	0	2	0	4	0			3			
GHC15-1	EXPAGHC15-1-335	1764	1769	42		5		0		0	3	3	3	0	0	1	0	3	0			4			
GHC15-1	EXPAGHC15-1-336	1769	1774	42		5		0		0	3	3	4	0	0	1	0	4	0			4			
GHC15-1	EXPAGHC15-1-337	1774	1779	42		5		0		0	3	3	4	0	0	1	0	3	0			5			
GHC15-1	EXPAGHC15-1-338	1779	1784	42		5		0		0	2	3	4	0	0	1	0	3	0			2	41		
GHC15-1	EXPAGHC15-1-339	1784	1789	42		9	1786-1788' decomposed to clays	0		0	5	4	4	0	0	1	0	4	0			5			
GHC15-1	EXPAGHC15-1-340	1789	1794	42		5		0		0	3	4	3	0	0	1	0	4	0			4			
GHC15-1	EXPAGHC15-1-341	1794	1799	42		5		0		0	3	5	3	0	0	0	0	4	0	1798-1799' sericite vein, 1-2 cm thick		3			
GHC15-1	EXPAGHC15-1-342	1799	1804	42		5		0		0	3	3	3	0	0	0	0	3	0			3			
GHC15-1	EXPAGHC15-1-343	1804	1809	42		5		0		0	2	3	3	0	0	0	0	3	0			3			
GHC15-1	EXPAGHC15-1-344	1809	1814	42		5		0		0	2	3	4	0	0	0	0	4	0			3	41		
GHC15-1	EXPAGHC15-1-345	1814	1819	42		5		0		0	2	3	4	0	0	0	0	4	0			3	41		
GHC15-1	EXPAGHC15-1-346	1819	1824	42		5		0		0	3	4	3	0	0	0	0	4	0			4	41		
GHC15-1	EXPAGHC15-1-347	1824	1829	42		5		0		0	3	4	4	0	0	0	0	3	0			3	41		
GHC15-1	EXPAGHC15-1-348	1829	1834	42		5		0		0	3	3	4	0	0	0	0	3	0			3	41		
GHC15-1	EXPAGHC15-1-349	1834	1839	42		5		0		0	3	3	4	0	0	0	0	3	0			3			
GHC15-1	EXPAGHC15-1-350	1839	1844	42		5	large clasts, 5-10 cm+, heterolithic, rock-flour matrix	0		0	3	3	4	0	0	0	2	4	0			3	23		23=carbonate vein @ 1842-1843', 0.5 cm thick, weak effervescence to 10% HCl
GHC15-1	EXPAGHC15-1-351	1844	1849	42		5		0		0	2	2	4	0	0	2	0	2	2			2	52		
GHC15-1	EXPAGHC15-1-352	1849	1854	42		5		0		0	2	2	3	0	0	0	0	2	2			2			weak, vfg, disseminated biotite (secondary)
GHC15-1	EXPAGHC15-1-353	1854	1859	33	10	5	hornblende phonolite dike, indistinct contact, rafted breccia fragments	0		0	1	2	2	0	0	0	1	2	5	bleached selvages around frx		2			tr carbonate
GHC15-1	EXPAGHC15-1-354	1859	1864	42	10	5	cuts back to heterolithic breccia as above	0		0	4	4	3	0	0	0	0	4	0			2			
GHC15-1	EXPAGHC15-1-355	1864	1869	42		5		0		0	4	4	3	0	0	0	0	4	0			2			

Hole Number	Sample Number	Depth from	Depth to	Rock type	Contact	Structure	Lithology comment	Oxidation	Oxidation comment	Specularite	Argillic	Sericitic	Potassic	Propylitic	Silification	Sulfate	Carbonate	Bleached	Biotite	Alteration comment	Mineralization	Pyrite	Gangue	Quartz	Mineralization comment
GHC15-1	EXPAGHC15-1-356	1869	1874	42		5		0		0	3	3	3	0	0	0	0	4	0			2			
GHC15-1	EXPAGHC15-1-357	1874	1879	42		5		0		0	3	4	4	0	0	0	0	4	0			2			
GHC15-1	EXPAGHC15-1-358	1879	1884	42		5		0		0	3	5	3	0	0	0	0	4	0	sericite increasing, occuring in veins 1-3 cm thick		2			
GHC15-1	EXPAGHC15-1-359	1884	1889	42		5		0		0	5	5	2	0	0	0	0	5	0			2			
GHC15-1	EXPAGHC15-1-360	1889	1894	8	9	9	1888-1890' completely decomposed to clays + sericite (fault gouge?)	0		0	5	5	0	0	0	0	0	5	0			2			
GHC15-1	EXPAGHC15-1-361	1894	1899	42	9	5		0		0	4	3	5	0	0	0	0	4	4	secondary biotite alteration mixed with massive adularia		2			1895-1896 pervasive secondary biotite
GHC15-1	EXPAGHC15-1-362	1899	1904	42		5		0		0	4	5	3	0	0	0	0	4	0			2			
GHC15-1	EXPAGHC15-1-363	1904	1909	42		5		0		0	4	4	3	0	0	0	0	4	0			2			
GHC15-1	EXPAGHC15-1-364	1909	1914	42		5		0		0	3	3	3	0	0	0	0	3	2			2			
GHC15-1	EXPAGHC15-1-365	1914	1919	42		5		0		0	4	4	3	0	0	0	0	3	1			2			
GHC15-1	EXPAGHC15-1-366	1919	1924	42		5		0		0	2	3	3	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-367	1924	1929	42		5		0		0	3	4	3	0	0	0	0	4	0			3			
GHC15-1	EXPAGHC15-1-368	1929	1934	42		5		0		0	3	4	4	0	0	0	0	3	2			3			
GHC15-1	EXPAGHC15-1-369	1934	1939	42		5		0		0	3	3	4	0	0	0	0	3	2			3			
GHC15-1	EXPAGHC15-1-370	1939	1944	42		5		0		0	2	2	3	0	0	0	0	3	2			3			
GHC15-1	EXPAGHC15-1-371	1944	1949	42		5		0		0	2	2	3	0	0	1	0	3	2			2			
GHC15-1	EXPAGHC15-1-372	1949	1954	42		5		0		0	2	2	3	0	0	2	0	3	1			2	52		52=gypsum (selenite)
GHC15-1	EXPAGHC15-1-373	1954	1959	42		5		0		0	2	2	3	0	0	1	0	3	1			2			
GHC15-1	EXPAGHC15-1-374	1959	1964	42		5	1559-2208' extremely fractured, broken up rubble	0		0	2	2	3	0	0	1	0	3	0			3			
GHC15-1	EXPAGHC15-1-375	1964	1969	42		5		0		0	1	2	3	0	0	0	0	3	0	pyrite + galena relacing clasts	60	3			60= vfg galena
GHC15-1	EXPAGHC15-1-376	1969	1974	42		5		0		0	2	2	3	0	0	0	0	3	0			60	3		
GHC15-1	EXPAGHC15-1-377	1974	1979	42		5		0		0	2	2	3	0	0	2	0	3	3	patchy biotite alteration		3	52		
GHC15-1	EXPAGHC15-1-378	1979	1984	42		3	thick, platy gypsum frx fill, euhedral xls up to 4 cm	0		0	1	2	3	0	0	5	0	3	0			3	52		
GHC15-1	EXPAGHC15-1-379	1984	1989	42		5		0		0	3	3	3	0	0	5	0	4	0			3	52		
GHC15-1	EXPAGHC15-1-380	1989	1994	42		5		0		0	2	2	3	0	0	4	0	3	0			3	52		
GHC15-1	EXPAGHC15-1-381	1994	1999	42		5		0		0	2	2	3	0	0	4	0	3	0			3	52		
GHC15-1	EXPAGHC15-1-382	1999	2004	42		5		0		0	3	3	3	0	0	3	0	3	0			3	52		
GHC15-1	EXPAGHC15-1-383	2004	2009	42		5		0		0	3	3	3	0	0	3	0	4	0			3	52		
GHC15-1	EXPAGHC15-1-384	2009	2014	42		5		0		0	2	3	4	0	0	4	0	4	0			3	52		
GHC15-1	EXPAGHC15-1-385	2014	2019	42		5		0		0	3	3	3	0	0	3	0	5	0			3	52		
GHC15-1	EXPAGHC15-1-386	2019	2024	42		5		0		0	2	3	4	0	0	2	0	5	0			4	52		
GHC15-1	EXPAGHC15-1-387	2024	2029	42		5		0		0	3	3	3	0	0	1	0	4	0			60	3	52	60=trace vfg galena
GHC15-1	EXPAGHC15-1-388	2029	2034	42		5		0		0	2	3	3	0	0	2	0	4	0			3	52		
GHC15-1	EXPAGHC15-1-389	2034	2039	42		3		0		0	4	3	2	0	0	3	0	5	0	extremely bleached, decomposed texture, relict clasts decomposed to clays		2	52		
GHC15-1	EXPAGHC15-1-390	2039	2044	42		3		0		0	3	2	3	0	0	3	0	5	0			4	52		
GHC15-1	EXPAGHC15-1-391	2044	2049	42		5		0		0	1	3	3	0	0	1	0	5	0			60	4	52	
GHC15-1	EXPAGHC15-1-392	2049	2054	42		5		0		0	3	3	3	0	0	1	0	5	0			60	4	52	
GHC15-1	EXPAGHC15-1-393	2054	2059	42		5		0		0	3	3	3	0	0	1	0	5	0			60	4	52	
GHC15-1	EXPAGHC15-1-394	2059	2064	42		5		0		0	3	3	3	0	0	1	0	5	0			60	4	52	
GHC15-1	EXPAGHC15-1-395	2064	2069	42		5		0		0	3	3	4	0	0	4	0	4	0			3	52		
GHC15-1	EXPAGHC15-1-396	2069	2074	42		5		0		0	4	4	3	0	0	4	0	5	0			60	4	52	
GHC15-1	EXPAGHC15-1-397	2074	2079	31	10	3	porphyritic phonolite dike	0		0	3	3	4	0	0	3	0	3	0			4	52		
GHC15-1	EXPAGHC15-1-398	2079	2084	31		5		0		0	2	2	4	0	0	1	0	3	0	secondary adularia forming in frx - salmon colored, euhedral		3	52		
GHC15-1	EXPAGHC15-1-399	2084	2089	42		5	2088-2089' gypsum vein	0		0	3	2	3	0	0	5	0	5	0			4	52		
GHC15-1	EXPAGHC15-1-400	2089	2094	42		5		0		0	3	2	3	0	0	3	0	5	0			3	52		
GHC15-1	EXPAGHC15-1-401	2094	2099	42		3		0		0	1	2	4	0	0	0	0	5	0			4			
GHC15-1	EXPAGHC15-1-402	2099	2104	42		5	fused, rock flour matrix, very difficult to distinguish clasts	0		0	1	2	3	0	0	0	0	5	0			4			
GHC15-1	EXPAGHC15-1-403	2104	2109	42		5		0		0	1	1	3	0	0	0	0	4	0			60	5		
GHC15-1	EXPAGHC15-1-404	2109	2114	42		3	2110-2113' decomosed entirely to clays +/- sericite	0		0	5	4	2	0	0	0	0	5	0			2			
GHC15-1	EXPAGHC15-1-405	2114	2119	42		2		0		0	3	3	3	0	0	0	0	4	0			2			
GHC15-1	EXPAGHC15-1-406	2119	2124	42		3		0		0	3	3	2	0	0	0	0	5	0	pervasive bleaching w/ pyrite +/- galena replacement	60	4			
GHC15-1	EXPAGHC15-1-407	2124	2129	42		5		0		0	4	4	3	0	0	5	0	4	0			60	4	52	platy gypsum as above
GHC15-1	EXPAGHC15-1-408	2129	2134	42		5		0		0	2	2	4	0	0	3	0	4	0			60	3		
GHC15-1	EXPAGHC15-1-409	2134	2139	31	9	5	2138-2142' porphyritic phonolite dike cuts thru	0		0	2	2	4	0	0	3	0	3	0			60	4	52	
GHC15-1	EXPAGHC15-1-410	2139	2144	31		5		0		0	2	2	4	0	0	2	0	3	0			60	3	52	
GHC15-1	EXPAGHC15-1-411	2144	2149	42	9	5		0		0	1	2	4	0	0	0	0	4	0			60	4		
GHC15-1	EXPAGHC15-1-412	2149	2154	42		5		0		0	3	3	4	0	0	0	0	5	0			60	4		

Hole Number	Sample Number	Depth from	Depth to	Rock type	Contact	Structure	Lithology comment	Oxidation	Oxidation comment	Specularite	Argillic	Sericitic	Potassic	Propylitic	Silification	Sulfate	Carbonate	Bleached	Biotite	Alteration comment	Mineralization	Pyrite	Gangue	Quartz	Mineralization comment	
GHC15-1	EXPAGHC15-1-413	2154	2159	42		5		0		0	2	2	4	0	0	0	0	5	0			3				
GHC15-1	EXPAGHC15-1-414	2159	2164	42		5		0		0	1	2	3	0	0	0	0	5	0			4				
GHC15-1	EXPAGHC15-1-415	2164	2169	42		5	mottled, blotchy texture	0		0	2	2	4	0	0	0	0	3	0			4				
GHC15-1	EXPAGHC15-1-416	2169	2174	42		5		0		0	3	3	4	0	0	0	0	3	0			4				
GHC15-1	EXPAGHC15-1-417	2174	2179	31	9	5	porphyritic phonolite dike as above	0		0	2	1	5	0	2	0	0	3	0	thin qtz veinlets occasionally, 1-2 mm		4				
GHC15-1	EXPAGHC15-1-418	2179	2184	42	9	5		0		0	2	1	5	0	0	0	0	3	0			4				
GHC15-1	EXPAGHC15-1-419	2184	2189	42		5		0		0	2	2	3	0	0	3	0	3	0			4	52			
GHC15-1	EXPAGHC15-1-420	2189	2194	42		5		0		0	3	2	3	0	0	2	0	3	0			4	52			
GHC15-1	EXPAGHC15-1-421	2194	2199	42		5		0		0	3	2	4	0	0	2	0	3	0			4	52			
GHC15-1	EXPAGHC15-1-422	2199	2204	42		5		0		0	2	2	4	0	0	1	0	3	0			4				
GHC15-1	EXPAGHC15-1-423	2204	2209	42		5		0		0	2	2	4	0	0	3	0	3	0			4	52			
GHC15-1	EXPAGHC15-1-424	2209	2214	42		5		0		0	3	2	4	0	0	2	0	3	0			4	52			
GHC15-1	EXPAGHC15-1-425	2214	2219	42		5		0		0	3	2	4	0	0	2	0	3	0			4	52			
GHC15-1	EXPAGHC15-1-426	2219	2224	42		5	rock-flour matrix, angular clasts common	0		0	3	2	4	0	0	3	0	3	0			4	52			
GHC15-1	EXPAGHC15-1-427	2224	2229	42		5		0		0	2	2	3	0	0	5	0	4	0			5	53		53=euhedral, translucent gypsum veins (selenite)	
GHC15-1	EXPAGHC15-1-428	2229	2234	42		5		0		0	2	2	3	0	0	4	0	4	0			5	52			
GHC15-1	EXPAGHC15-1-429	2234	2239	42		3		0		0	2	2	4	0	0	5	0	4	0			5	53		selenite xls 2-5 cm	
GHC15-1	EXPAGHC15-1-430	2239	2244	42		5		0		0	4	3	4	0	0	5	0	3	0		60	5	53		60=galena aggregates mixed w/ pyrite	
GHC15-1	EXPAGHC15-1-431	2244	2249	42		5		0		0	3	2	3	0	0	5	0	3	0		60	5	53			
GHC15-1	EXPAGHC15-1-432	2249	2254	42		3		0		0	3	2	3	0	0	3	0	5	0		60	5	52			
GHC15-1	EXPAGHC15-1-433	2254	2259	42		3		0		0	3	2	3	0	0	5	0	5	0		60	5	53			
GHC15-1	EXPAGHC15-1-434	2259	2264	42		5		0		0	3	2	3	0	0	5	0	5	0		60	5	52			
GHC15-1	EXPAGHC15-1-435	2264	2269	42		5		0		0	2	2	3	0	0	5	0	5	0		60	4	52			
GHC15-1	EXPAGHC15-1-436	2269	2274	42		5		0		0	2	3	3	0	0	4	0	5	0		60	5	52			
GHC15-1	EXPAGHC15-1-437	2274	2279	31	10	3	Tphk dike, very mottled, phenos replaced w/ pyrite	0		0	3	3	3	0	0	1	0	5	0		60	5				
GHC15-1	EXPAGHC15-1-438	2279	2284	42	10	3		0		0	2	2	4	0	0	4	0	5	0		60	5	53			
GHC15-1	EXPAGHC15-1-439	2284	2289	42		3		0		0	2	2	4	0	0	5	0	5	0		60	5	53			
GHC15-1	EXPAGHC15-1-440	2289	2294	42		3		0		0	2	1	4	0	0	4	0	4	0		60	5	53			
GHC15-1	EXPAGHC15-1-441	2294	2299	42		5		0		0	2	1	4	0	0	4	0	5	0	clasts are replaced by pyrite throughout, very few original clasts remain	60	5	52			
GHC15-1	EXPAGHC15-1-442	2299	2304	42		5		0		0	3	2	4	0	0	3	0	5	0		60	5	53			
GHC15-1	EXPAGHC15-1-443	2304	2309	42		5		0		0	3	2	3	0	0	3	0	5	0		60	5	53			
GHC15-1	EXPAGHC15-1-444	2309	2314	42		5		0		0	3	2	3	0	0	3	0	4	0		60	5	52			
GHC15-1	EXPAGHC15-1-445	2314	2319	42		5		0		0	4	2	3	0	0	1	0	4	0			4				
GHC15-1	EXPAGHC15-1-446	2319	2324	4	10	9	pervasively decomposed to clays, no original texture remains	0		0	5	5	1	0	3	5	0	5	0			5	52	4		terminated amethyst xls 3-6 mm, euhedral, purple
GHC15-1	EXPAGHC15-1-447	2324	2329	42		5		0		0	2	2	4	0	0	0	0	4	0			5				
GHC15-1	EXPAGHC15-1-448	2329	2334	42		5		0		0	3	3	2	0	0	0	0	5	0		60	5	41			
GHC15-1	EXPAGHC15-1-449	2334	2339	42		3		0		0	3	2	4	0	0	0	0	4	0			4				
GHC15-1	EXPAGHC15-1-450	2339	2344	42		3		0		0	2	1	4	0	0	2	0	3	0			3	52			
GHC15-1	EXPAGHC15-1-451	2344	2349	42		5		0		0	2	2	4	0	2	1	0	3	0	1-2 mm thick qtz veinlets		4	52	5		
GHC15-1	EXPAGHC15-1-452	2349	2354	42		5		0		0	2	2	4	0	0	1	0	3	0			5	41			
GHC15-1	EXPAGHC15-1-453	2354	2359	42		5		0		0	2	1	5	0	0	1	0	3	0			4				
GHC15-1	EXPAGHC15-1-454	2359	2364	42		5		0		0	2	1	5	0	0	0	0	3	0			4				
GHC15-1	EXPAGHC15-1-455	2364	2369	42		5		0		0	1	1	5	0	0	0	0	3	0			5				
GHC15-1	EXPAGHC15-1-456	2369	2374	31	10	5	Tphk dike, moderate replacement of phenocrysts w/ pyrite	0		0	1	1	5	0	0	0	0	3	0			4				
GHC15-1	EXPAGHC15-1-457	2374	2379	31		5		0		0	1	0	5	0	0	2	0	2	0		60	4				
GHC15-1	EXPAGHC15-1-458	2379	2384	31		5		0		0	2	1	4	0	0	2	0	3	0		60	3	52			
GHC15-1	EXPAGHC15-1-459	2384	2389	31		5		0		0	2	1	4	0	0	2	0	3	0			3	52			
GHC15-1	EXPAGHC15-1-460	2389	2394	31		3		0		0	2	2	4	0	2	2	0	4	0	qtz veinlets	60	3	52	5		
GHC15-1	EXPAGHC15-1-461	2394	2399	42	10	3																				

Hole Number	Sample Number	Depth from	Depth to	Rock type	Contact	Structure	Lithology comment	Oxidation	Oxidation comment	Specularite	Argillic	Sericitic	Potassic	Propylitic	Silification	Sulfate	Carbonate	Bleached	Biotite	Alteration comment	Mineralization	Pyrite	Gangue	Quartz	Mineralization comment
GHC15-1	EXPAGHC15-1-472	2460	2465	31		3	minor faulting in veinlets, 5 mm displacement	0		0	1	0	4	0	0	3	0	5	0			1	52		
GHC15-1	EXPAGHC15-1-473	2465	2470	31		5		0		0	1	0	4	0	0	1	0	5	0			1			
GHC15-1	EXPAGHC15-1-474	2470	2475	42	10	3		0		0	2	1	3	0	0	1	0	5	0		60	5			galena and pyrite intergrown, +/- trace moly
GHC15-1	EXPAGHC15-1-475	2475	2480	31		5		0		0	1	1	4	0	0	0	0	5	0		60	2			
GHC15-1	EXPAGHC15-1-476	2480	2485	31		5		0		0	2	1	4	0	0	0	0	4	0			2			
GHC15-1	EXPAGHC15-1-477	2485	2490	31		3		0		0	1	1	4	0	0	0	0	3	0			1			
GHC15-1	EXPAGHC15-1-478	2490	2495	31		5		0		0	1	1	4	0	0	0	0	4	0			1			
GHC15-1	EXPAGHC15-1-479	2495	2500	31		5		0		0	1	1	4	0	0	0	0	4	0		60	2			
GHC15-1	EXPAGHC15-1-480	2500	2505	31		5		0		0	1	1	4	0	0	0	0	3	0			1			
GHC15-1	EXPAGHC15-1-481	2505	2510	42	10	2	2510-2523' competent stick rock, heterolithic microbreccia	0		0	1	0	3	0	0	0	0	4	0			2			
GHC15-1	EXPAGHC15-1-482	2510	2515	42			2 veins of massive gypsum throughout w/ strong pyrite + galena, up to 5-10 cm thick	0		0	2	1	3	0	0	5	0	5	0		60	5	53		cubic galena + pyritohedrons, possible tellurides
GHC15-1	EXPAGHC15-1-483	2515	2520	42		2	as above	0		0	2	1	3	0	0	5	0	5	0		60	5	53		fluorite mixed in with same assemblage as above
GHC15-1	EXPAGHC15-1-484	2520	2525	42		2		0		0	2	1	3	0	0	5	0	5	0		60	5	53		as above, strong sulfide mineralization; 2524-2525' solid gypsum vein
GHC15-1	EXPAGHC15-1-485	2525	2530	42		1	2525-2527' solid gypsum w/ fluorite particles mixed in, rafted clasts within the gypsum	0		0	1	1	2	0	0	5	0	5	0	stockwork gypsum veinlets radiating from main gypsum veins		3	53		53= 2' thick gypsum vein
GHC15-1	EXPAGHC15-1-486	2530	2535	42		2	gypsum veins throughout, 2-4 cm thick	0		0	1	1	2	0	0	5	0	4	0			3	53		
GHC15-1	EXPAGHC15-1-487	2535	2540	42		3		0		0	1	1	3	0	3	5	0	4	0	2537-2538' euhedral qtz (amethyst) prisms enclosed in selenite vein 2 cm thick	60	3	53	4	euhedral purple qtz (amethyst) xls 1-2 cm thick +/- purple fluorite
GHC15-1	EXPAGHC15-1-488	2540	2545	31	9	1	porphyritic phonolite dike @ 2544'	0		0	1	1	3	0	2	4	0	4	0	2542' amethyst in selenite vein 1-2 cm	60	3	53	4	
GHC15-1	EXPAGHC15-1-489	2545	2550	31		0	>80% Tphk dike, tr breccia fragments	0		0	1	1	3	0	2	5	0	5	0			2	53	4	
GHC15-1	EXPAGHC15-1-490	2550	2555	31		0		0		0	1	1	2	0	2	5	0	4	0	2552-2553' ~10 cm thick amethyst/selenite vein, +/- fluorite, pyrite, barite		3	53	4	
GHC15-1	EXPAGHC15-1-491	2555	2560	30	10	1	crushed matrix of phonolites, monolithic	0		0	1	1	3	0	0	5	0	5	0		60	3	53		
GHC15-1	EXPAGHC15-1-492	2560	2565	30		1		0		0	1	1	3	0	3	5	0	5	0	2564' amethyst-selenite vein as above, 5-6 cm	60	3	53	4	pyrite + galena in veinlets throughout
GHC15-1	EXPAGHC15-1-493	2565	2570	30		1		0		0	1	1	3	0	3	4	0	5	0		60	3	53		
GHC15-1	EXPAGHC15-1-494	2570	2575	30		2		0		0	1	1	3	0	0	5	0	4	0		60	5	53		
GHC15-1	EXPAGHC15-1-495	2575	2580	30		1		0		0	1	1	3	0	0	4	0	4	0		60	4	53		
GHC15-1	EXPAGHC15-1-496	2580	2585	42	10	1	heterolithic breccia	0		0	1	1	3	0	0	5	0	5	0		60	4	53		
GHC15-1	EXPAGHC15-1-497	2585	2590	42		1		0		0	1	1	3	0	0	5	0	4	0			4	53		
GHC15-1	EXPAGHC15-1-498	2590	2595	42		1		0		0	1	1	4	0	3	4	0	4	0	smokey qtz/amethyst		4	53	4	
GHC15-1	EXPAGHC15-1-499	2595	2600	42		2		0		0	1	1	4	0	0	5	0	4	0		60	3	53		galena veinlets w/ accessory pyrite clusters, <1 mm thick
GHC15-1	EXPAGHC15-1-500	2600	2605	42		1		0		0	1	1	4	0	0	4	0	4	0		60	4	53		
GHC15-1	EXPAGHC15-1-501	2605	2610	42		1		0		0	1	1	4	0	0	5	0	4	0		60	5	53		
GHC15-1	EXPAGHC15-1-502	2610	2615	42		1		0		0	1	1	4	0	0	5	0	4	0			4	53		
GHC15-1	EXPAGHC15-1-503	2615	2620	42		1		0		0	1	1	4	0	0	5	0	4	0			3	53		2618-2620' solid gypsum vein
GHC15-1	EXPAGHC15-1-504	2620	2625	30	10	1	coarse grained monolithic clasts	0		0	1	1	3	0	0	5	0	5	0			3	53		
GHC15-1	EXPAGHC15-1-505	2625	2630	30		1		0		0	1	1	3	0	0	5	0	5	0			2	53		
GHC15-1	EXPAGHC15-1-506	2630	2635	30		0		0		0	1	1	3	0	0	5	0	5	0			2	53		
GHC15-1	EXPAGHC15-1-507	2635	2640	30		1		0		0	1	1	4	0	0	5	0	5	0			2	53		
GHC15-1	EXPAGHC15-1-508	2640	2645	30		1		0		0	1	1	3	0	0	5	0	5	0			2	53		
GHC15-1	EXPAGHC15-1-509	2645	2650	30		1		0		0	1	1	3	0	0	5	0	5	0			2	53		i
GHC15-1	EXPAGHC15-1-510	2650	2655	30		1		0		0	1	1	4	0	0	5	0	5	0			2	53		
GHC15-1	EXPAGHC15-1-511	2655	2660	30		1		0		0	1	1	4	0	0	5	0	5	0			3	53		
GHC15-1	EXPAGHC15-1-512	2660	2665	30		0	fluidized gypsum veins	0		0	1	1	3	0	0	5	0	5	0			3	53		
GHC15-1	EXPAGHC15-1-513	2665	2670	30		1		0		0	1	1	3	0	0	5	0	5	0		60	4	53		
GHC15-1	EXPAGHC15-1-514	2670	2675	95	10	0	massive gypsum veins	0		0	0	0	3	0	0	5	0	5	0			4	53		
GHC15-1	EXPAGHC15-1-515	2675	2680	95			0 massive gypsum as above, w/ rafted breccia fragments	0		0	0	0	0	0	0	5	0	3	0	solid gypsum w/ fluidized fluorite + pyrite + galena veins	60	3	53		
GHC15-1	EXPAGHC15-1-516	2680	2685	30	10	0	cuts back to mottled, monolithic breccia	0		0	0	0	3	0	0	4	2	5	0			2	53		stockwork gypsum veins
GHC15-1	EXPAGHC15-1-517	2685	2690	34	10	0	undifferentiated phonolite dike, mottled, wht color, no discernable phenos or clasts	0		0	3	1	2	0	0	4	0	5	0		60	2	52		
GHC15-1	EXPAGHC15-1-518	2690	2695	34		0		0		0	3	1	2	0	0	4	0	5	0		60	2	53		
GHC15-1	EXPAGHC15-1-519	2695	2700	34		0		0		0	2	1	2	0	0	4	2	5	0		60	2	53		weakly disseminated carbonate
GHC15-1	EXPAGHC15-1-520	2700	2705	95	9	1	massive gypsum vein as above	0		0	0	0	0	0	0	5	2	3	0		60	3	53		
GHC15-1	EXPAGHC15-1-521	2705	2710	95		1		0		0	0	0	0	0	0	5	0	3	0		60	3	53		
GHC15-1	EXPAGHC15-1-522	2710	2715	34	10	1	2710.5' cuts back sharply to undifferentiated porphyritic phonolite	0		0	2	1	2	0	0	5	0	5	0			2	53		tr purple fluorite
GHC15-1	EXPAGHC15-1-523	2715	2720	34		1		0		0	2	1	2	0	0	5	0	5	0			2	53		
GHC15-1	EXPAGHC15-1-524	2720	2725	95	10	1	massive gypsum veins pick up again @ 2723'	0		0	0	0	2	0	0	5	2	4	0			2	53		

Hole Number	Sample Number	Depth from	Depth to	Rock type	Contact	Structure	Lithology comment	Oxidation	Oxidation comment	Specularite	Argillic	Sericitic	Potassic	Propylitic	Silification	Sulfate	Carbonate	Bleached	Biotite	Alteration comment	Mineralization	Pyrite	Gangue	Quartz	Mineralization comment
GHC15-1	EXPAGHC15-1-525	2725	2730	95		1		0		0	0	0	2	0	0	5	0	4	0			3	53		
GHC15-1	EXPAGHC15-1-526	2730	2735	42	10	1	cuts back to heterolithic breccia	0		0	1	1	3	0	0	4	0	4	0			2	53		
GHC15-1	EXPAGHC15-1-527	2735	2740	42		2		0		0	2	1	3	0	0	4	0	4	0			3	53		
GHC15-1	EXPAGHC15-1-528	2740	2745	42		2		0		0	2	1	3	0	0	4	0	4	0			3	53		
GHC15-1	EXPAGHC15-1-529	2745	2750	42		2		0		0	1	1	3	0	0	4	0	4	0			3	53		
GHC15-1	EXPAGHC15-1-530	2750	2755	42		1		0		0	1	1	3	0	0	3	0	4	0			2	53		
GHC15-1	EXPAGHC15-1-531	2755	2760	42		1		0		0	1	1	3	0	0	3	0	4	0			2	53		
GHC15-1	EXPAGHC15-1-532	2760	2765	42		1		0		0	1	1	3	0	0	3	0	4	0			2	53		
GHC15-1	EXPAGHC15-1-533	2765	2770	42		1		0		0	2	1	3	0	0	3	0	5	0			2	53		
GHC15-1	EXPAGHC15-1-534	2770	2775	42		1		0		0	2	1	4	0	0	5	0	5	0			3	53		
GHC15-1	EXPAGHC15-1-535	2775	2780	42		1	heterolithic, clast-supported breccia	0		0	1	1	4	0	0	3	0	5	0			4	53		
GHC15-1	EXPAGHC15-1-536	2780	2785	42		1		0		0	1	1	4	0	0	4	0	5	0			4	53		
GHC15-1	EXPAGHC15-1-537	2785	2790	42		1		0		0	1	1	4	0	0	4	0	4	0			3	53		
GHC15-1	EXPAGHC15-1-538	2790	2795	42		1	very solid, hard rock	0		0	0	0	5	0	0	2	0	4	0	pervasive adularia flooding makes core very hard		3	52		
GHC15-1	EXPAGHC15-1-539	2795	2800	42		1		0		0	0	0	5	0	0	4	1	3	0			3	53		fluorite clots mixed in w/ gypsum veins
GHC15-1	EXPAGHC15-1-540	2800	2805	42		2		0		0	0	0	3	0	0	4	1	3	2	ratty biotite - secondary mineralization?		3	53		trace disseminated carbonate
GHC15-1	EXPAGHC15-1-541	2805	2810	42		1		0		0	0	0	3	0	0	5	1	3	4			3	53		
GHC15-1	EXPAGHC15-1-542	2810	2815	42		1		0		0	1	0	3	0	0	5	1	3	4			3	53		
GHC15-1	EXPAGHC15-1-543	2815	2820	42		2		0		0	1	0	4	0	0	5	1	4	2			4	53		
GHC15-1	EXPAGHC15-1-544	2820	2825	42		1		0		0	1	0	4	0	0	5	1	4	2			3	53		
GHC15-1	EXPAGHC15-1-545	2825	2830	42		1		0		0	2	1	3	0	0	4	1	3	2			3	53		
GHC15-1	EXPAGHC15-1-546	2830	2835	42		1		0		0	2	1	3	0	0	4	1	4	2			3	53		
GHC15-1	EXPAGHC15-1-547	2835	2840	42		2		0		0	2	1	4	0	0	4	2	5	2			3	53		weak effervescence to 10% HCl
GHC15-1	EXPAGHC15-1-548	2840	2845	42		1	mottled, wht-gry heterolithic breccia, stockwork gypsum veins throughout	0		0	2	1	3	0	0	4	2	5	1			2	53		
GHC15-1	EXPAGHC15-1-549	2845	2850	42		1		0		0	2	1	3	0	0	5	1	5	0			3	53		gypsum veins 2-5 cm thick w/ purple fluorite throughout
GHC15-1	EXPAGHC15-1-550	2850	2855	42		2		0		0	2	1	3	0	0	5	0	5	0		60	3	53		gypsum veins as above but with thin accessory veinlets of galena
GHC15-1	EXPAGHC15-1-551	2855	2860	42		1		0		0	3	1	3	0	0	5	0	4	0		60	3	53		60=galena veinlets
GHC15-1	EXPAGHC15-1-552	2860	2865	42		2		0		0	3	1	4	0	0	4	0	5	0		60	2	52		
GHC15-1	EXPAGHC15-1-553	2865	2870	42		3		0		0	2	1	4	0	0	4	0	5	0		60	3	53		
GHC15-1	EXPAGHC15-1-554	2870	2875	42		1		0		0	2	1	4	0	0	5	1	5	0		60	3	53		
GHC15-1	EXPAGHC15-1-555	2875	2880	42		1		0		0	3	1	3	0	0	4	1	4	0		60	2	53		
GHC15-1	EXPAGHC15-1-556	2880	2885	42		1		0		0	1	1	4	0	0	3	0	4	0	pyrite replacement of clasts + pyrite rims		3	53		
GHC15-1	EXPAGHC15-1-557	2885	2890	42		1		0		0	1	1	4	0	0	3	0	4	0			3	53		
GHC15-1	EXPAGHC15-1-558	2890	2895	42		3		0		0	4	2	3	0	0	4	0	5	0	significantly increased clay content in this interval	60	3	53		
GHC15-1	EXPAGHC15-1-559	2895	2900	42		2		0		0	2	1	3	0	0	5	0	5	0		60	3	53		
GHC15-1	EXPAGHC15-1-560	2900	2905	12	10	1	Syenite, possible intrusive dike, but may be breccia, too altered to see distinct boundaries	0		0	2	1	4	0	0	4	1	4	0			3	53		
GHC15-1	EXPAGHC15-1-561	2905	2910	95	10	1	wht massive gypsum veins	0		0	0	0	0	0	0	5	0	5	0			2	53		
GHC15-1	EXPAGHC15-1-562	2910	2915	95		1		0		0	0	0	0	0	0	5	0	5	0			2	53		fluorite mixed in w/ gypsum veins
GHC15-1	EXPAGHC15-1-563	2915	2920	42		1		0		0	2	1	3	0	0	5	0	5	0			3	53		
GHC15-1	EXPAGHC15-1-564	2920	2925	42		1	2921-2922' gypsum/selenite vein w/ euhedral amethyst xls	0		0	2	1	3	0	3	5	0	5	0			2	53	4	euhedral, prismatic amethyst
GHC15-1	EXPAGHC15-1-565	2925	2930	42		1		0		0	2	1	3	0	0	5	2	5	0		60	2	53		weak disseminated carbonate
GHC15-1	EXPAGHC15-1-566	2930	2935	42		1		0		0	2	1	3	0	0	5	2	5	0		60	3	53		
GHC15-1	EXPAGHC15-1-567	2935	2940	42		1		0		0	1	1	3	0	0	5	3	4	0			3	53		moderate disseminated carbonate
GHC15-1	EXPAGHC15-1-568	2940	2945	42		1		0		0	1	0	3	0	0	5	3	5	0			3	53		
GHC15-1	EXPAGHC15-1-569	2945	2950	42		1		0		0	1	0	3	0	0	5	3	5	2			3	53		
GHC15-1	EXPAGHC15-1-570	2950	2955	42		1		0		0	1	0	3	0	0	3	3	5	2			2	33		2952' calcite vein, terminated crystals
GHC15-1	EXPAGHC15-1-571	2955	2960	42		1		0		0	1	0	4	0	0	4	2	4	3			2	53		
GHC15-1	EXPAGHC15-1-572	2960	2965	42		1		0		0	3	1	3	0	0	5	1	5	2			3	53		
GHC15-1	EXPAGHC15-1-573	2965	2970	42		1	very mottled texture, clasts are blotchy, indistinct	0		0	3	1	3	0	0	2	1	5	2			3	52		
GHC15-1	EXPAGHC15-1-574	2970	2975	42		2		0		0	2	1	3	0	0	3	1	4	2			3	53		
GHC15-1	EXPAGHC15-1-575	2975	2980	42		1		0		0	2	0	3	0	0	2	0	5	0			4	53		
GHC15-1	EXPAGHC15-1-576	2980	2985	42		2		0		0	2	0	2	0	0	5	0	4	1			4	53		
GHC15-1	EXPAGHC15-1-577	2985	2990	42		1		0		0	2	0	3	0	0	4	0	4	0			3	53		
GHC15-1	EXPAGHC15-1-578	2990	2995	42		1		0		0	1	0	4	0	0	3	0	4	3			3	53		
GHC15-1	EXPAGHC15-1-579	2995	3000	42		2		0		0	1	0	4	0	0	4	0	3	4			2	53		
GHC15-1	EXPAGHC15-1-580	3000	3005	42		1		0		0	1	0	4	0	0	4	2	3	2			3	53		
GHC15-1	EXPAGHC15-1-581	3005	3010	42		3		0		0	3	1	3	0	0	5	1	3	1			3	53		
GHC15-1	EXPAGHC15-1-582	3010	3015	42		2		0		0	2	1	4	0	2	5	2	3	1			3	53	4	3013-3014' amethyst xls encased in gysum as above

Hole Number	Sample Number	Depth from	Depth to	Rock type	Contact	Structure	Lithology comment	Oxidation	Oxidation comment	Specularite	Argillic	Sericitic	Potassic	Propylitic	Silification	Sulfate	Carbonate	Bleached	Biotite	Alteration comment	Mineralization	Pyrite	Gangue	Quartz	Mineralization comment
GHC15-1	EXPAGHC15-1-583	3015	3020	42		3	mottled as above, weakly heterolithic microbreccia; fluidized galena/py/fluorite veinlets throughout	0		0	3	1	3	0	2	5	3	4	0	3018-3019' amethyst crystals in gypsum		3	53	4	moderate disseminated carbonate
GHC15-1	EXPAGHC15-1-584	3020	3025	42		2		0		0	4	1	3	0	0	3	3	3	0	increased clay alteration, decomposing core, wht-gry clay		2	53		
GHC15-1	EXPAGHC15-1-585	3025	3030	42		1		0		0	4	1	3	0	2	4	3	3	0	qtz in gypsum as above		2	53	4	
GHC15-1	EXPAGHC15-1-586	3030	3035	42		1		0		0	3	1	4	0	0	5	3	4	0			2	53		
GHC15-1	EXPAGHC15-1-587	3035	3040	42		2		0		0	3	1	4	0	0	5	2	4	0	pyrite +/- galena replacing clasts	60	4	53		
GHC15-1	EXPAGHC15-1-588	3040	3045	42		1		0		0	2	1	3	0	0	5	2	4	0		60	3	53		
GHC15-1	EXPAGHC15-1-589	3045	3050	38	9	1	porphyritic phonolite, range of phenocryst sizes from 2mm-1cm	0		0	1	1	4	0	0	5	3	3	0		60	2	53		gypsum/calcite veinlets throughout interval
GHC15-1	EXPAGHC15-1-590	3050	3055	38		5	rubble, very broken up zone	0		0	1	0	5	0	0	2	0	3	0		60	1	53		
GHC15-1	EXPAGHC15-1-591	3055	3060	94	9	5	3056' cuts to milky wht massive carbonate vein, strong rxn to 10% HCl	0		0	0	0	0	0	0	4	5	5	0	patchy zones of galena mixed into carbonate vein	60	0	23		23=carbonate vein
GHC15-1	EXPAGHC15-1-592	3060	3065	94		1	massive wht carbonate vein as above, strong galena mineralization	0		0	0	0	0	0	0	4	5	5	0		60	0	23		
GHC15-1	EXPAGHC15-1-593	3065	3070	94		2		0		0	0	0	0	0	0	3	5	5	0		60	0	23		
GHC15-1	EXPAGHC15-1-594	3070	3075	38	9	1		0		0	2	0	4	0	0	2	2	3	0		60	1	23		
GHC15-1	EXPAGHC15-1-595	3075	3080	38		3		0		0	1	0	4	0	0	2	1	3	0		60	1	53		thin, irregular gypsum/anhydrite veinlets, trace carbonate
GHC15-1	EXPAGHC15-1-596	3080	3085	38		2		0		0	1	0	4	0	0	2	1	3	0		60	1	53		fluidized gypsum veins w/ fluorite
GHC15-1	EXPAGHC15-1-597	3085	3090	38		2		0		0	1	0	4	0	0	1	1	3	0			2	42		42=fluorite frx fill and veins
GHC15-1	EXPAGHC15-1-598	3090	3095	38		0		0		0	2	0	4	0	0	3	4	4	0			3	23		carbonate veins 5-10 cm thick
GHC15-1	EXPAGHC15-1-599	3095	3100	38		2		0		0	0	0	4	0	0	4	4	3	0			3	23		carbonate-sulfate veins?
GHC15-1	EXPAGHC15-1-600	3100	3105	94	9	1	3100-3102' carbonate-sulfate vein	0		0	0	0	3	0	3	4	5	4	0	euهدral qtz in carbonate-sulfate vein	60	3	23	4	pyrite + galena + qtz in veins
GHC15-1	EXPAGHC15-1-601	3105	3110	42	9	2	cuts back to heterolithic breccia	0		0	0	0	3	0	0	2	3	4	0		60	2	23		
GHC15-1	EXPAGHC15-1-602	3110	3115	94		1	3112-3118' carbonate vein	0		0	0	0	2	0	0	4	5	5	0		60	3	23		
GHC15-1	EXPAGHC15-1-603	3115	3120	94		0		0		0	0	0	2	0	0	3	5	5	0			2	23		purple fluorite veinlets
GHC15-1	EXPAGHC15-1-604	3120	3125	34	9	1	blotchy phonolite, w/ indistinct, anhedral phenocrysts	0		0	0	0	4	0	0	3	4	3	0			2	23		
GHC15-1	EXPAGHC15-1-605	3125	3130	34		1		0		0	0	0	5	0	0	3	4	4	0		60	2	23		
GHC15-1	EXPAGHC15-1-606	3130	3135	34		3	cross-cutting veinlets, late-stage gypsum cuts carbonate veins	0		0	0	0	5	0	0	3	4	3	0		60	2	23		
GHC15-1	EXPAGHC15-1-607	3135	3140	34		2		0		0	0	0	4	0	0	4	5	3	0		60	2	23		3136-3137' blue anhydrite?
GHC15-1	EXPAGHC15-1-608	3140	3145	38	10	2		0		0	0	0	4	0	0	2	4	3	0			2	22		disseminated carbonate
GHC15-1	EXPAGHC15-1-609	3145	3150	38		2		0		0	0	0	4	0	0	2	0	3	0			2			
GHC15-1	EXPAGHC15-1-610	3150	3155	38		1		0		0	0	0	4	0	0	3	0	3	0			1	53		
GHC15-1	EXPAGHC15-1-611	3155	3160	42		0		0		0	0	0	4	0	0	2	1	3	0			2			
GHC15-1	EXPAGHC15-1-612	3160	3165	42		1		0		0	0	0	4	0	0	2	4	3	0			2	22		22=carbonate frx fill
GHC15-1	EXPAGHC15-1-613	3165	3170	42		2		0		0	0	0	4	0	0	3	5	3	0		60	2	22		
GHC15-1	EXPAGHC15-1-614	3170	3175	42		2		0		0	0	0	5	0	0	3	4	3	0			5	23		pyrite has a very brassy tint to it, some striated, elongate minerals, possible tellurides?
GHC15-1	EXPAGHC15-1-615	3175	3180	42		2		0		0	0	0	5	0	0	3	5	3	0			3	23		
GHC15-1	EXPAGHC15-1-616	3180	3185	42		2	fluidized texture, abundant carbonate-fluorite-sulfate veins throughout	0		0	0	0	4	0	0	5	4	3	2			4	23		biotite in matrix rock
GHC15-1	EXPAGHC15-1-617	3185	3190	42		2		0		0	0	0	4	0	0	3	5	2	2			3	23		3184-3267' anastomosing fluorite veins, 1-2 cm thick
GHC15-1	EXPAGHC15-1-618	3190	3195	42		1		0		0	0	0	5	0	0	2	3	3	4			3	23		
GHC15-1	EXPAGHC15-1-619	3195	3200	12	10	3	syenite, salt-and-pepper texture, weakly magnetic, moderate carbonate	0		0	0	0	3	0	0	3	4	5	5			3	23		
GHC15-1	EXPAGHC15-1-620	3200	3205	12		2		0		0	0	3	3	0	0	3	5	5	5	bleached selvages around hairline frx, sericite after biotite?		3	23		
GHC15-1	EXPAGHC15-1-621	3205	3210	12		1		0		0	0	2	3	0	0	3	4	5	5			2	23		
GHC15-1	EXPAGHC15-1-622	3210	3215	12		1		0		0	0	2	3	0	0	5	3	5	5			2	23		
GHC15-1	EXPAGHC15-1-623	3215	3220	12		2		0		0	0	3	3	0	0	5	3	5	3			2	23		
GHC15-1	EXPAGHC15-1-624	3220	3225	12		1		0		0	2	3	2	0	0	4	3	5	3			3	23		
GHC15-1	EXPAGHC15-1-625	3225	3230	12		1		0		0	1	3	2	0	0	5	2	5	2			2	53		53=gypsum veins
GHC15-1	EXPAGHC15-1-626	3230	3235	12		1		0		0	1	2	3	0	0	5	3	4	3			3	53		
GHC15-1	EXPAGHC15-1-627	3235	3240	12		2		0		0	1	2	3	0	0	5	3	5	5			3	53		
GHC15-1	EXPAGHC15-1-628	3240	3245	12		2		0		0	1	2	3	0	0	4	3	5	4			3	53		
GHC15-1	EXPAGHC15-1-629	3245	3250	12		2		0		0	1	2	3	0	0	4	2	5	4			3	53		
GHC15-1	EXPAGHC15-1-630	3250	3255	12		2		0		0	1	2	3	0	0	4	1	5	4			3	53		
GHC15-1	EXPAGHC15-1-631	3255	3260	12		2		0		0	1	1	3	0	0	4	1	4	4			2	53		
GHC15-1	EXPAGHC15-1-632	3260	3265	12		1		0		0	1	1	3	0	0	4	2	5	5			2	53		
GHC15-1	EXPAGHC15-1-633	3265	3270	12		1	salt-and-pepper texture, phaneritic, weakly magnetic	0		0	1	1	3	0	0	4	2	5	5	bleached selvages around gypsum/fluorite veins		3	53		
GHC15-1	EXPAGHC15-1-634	3270	3275	12		2		0		0	1	1	3	0	0	4	2	4	5			4	53		

Hole Number	Sample Number	Depth from	Depth to	Rock type	Contact	Structure	Lithology comment	Oxidation	Oxidation comment	Specularite	Argillic	Sericitic	Potassic	Propylitic	Silification	Sulfate	Carbonate	Bleached	Biotite	Alteration comment	Mineralization	Pyrite	Gangue	Quartz	Mineralization comment
GHC15-1	EXPAGHC15-1-635	3275	3280	12		2		0		0	1	1	3	0	0	5	2	4	5			4	53		massive fluorite veins mixed w/ gypsum
GHC15-1	EXPAGHC15-1-636	3280	3285	12		1		0		0	1	1	3	0	0	5	2	4	5	gypsum veins cross-cut fluorite veins		4	53		
GHC15-1	EXPAGHC15-1-637	3285	3290	12		1		0		0	1	1	3	0	0	5	2	4	5			3	53		
GHC15-1	EXPAGHC15-1-638	3290	3295	95	9	2	3293' gypsum/selenite vein cuts through	0		0	0	0	3	0	0	5	1	5	3			3	53		
GHC15-1	EXPAGHC15-1-639	3295	3300	95		2	brecciated syenite resumes @ 3296'	0		0	0	0	4	0	0	5	0	5	4			3	53		
GHC15-1	EXPAGHC15-1-640	3300	3305	10	10	1	brecciated syenite, mixed w/ phonolite	0		0	0	0	4	0	0	5	2	5	5			2	53		
GHC15-1	EXPAGHC15-1-641	3305	3310	12	10	2		0		0	1	1	3	0	0	5	2	5	5			2	53		
GHC15-1	EXPAGHC15-1-642	3310	3315	12		2		0		0	1	1	3	0	0	5	2	5	5			3	53		
GHC15-1	EXPAGHC15-1-643	3315	3320	12		1		0		0	1	1	3	0	0	5	2	4	5			3	53		
GHC15-1	EXPAGHC15-1-644	3320	3325	12		2		0		0	1	1	3	0	0	4	3	3	5			3	53		
GHC15-1	EXPAGHC15-1-645	3325	3330	12		3		0		0	1	1	3	0	0	5	3	3	4			2	53		
GHC15-1	EXPAGHC15-1-646	3330	3335	12		1		0		0	1	1	3	0	0	3	2	4	5			3	53		
GHC15-1	EXPAGHC15-1-647	3335	3340	12		2		0		0	1	1	3	0	0	3	2	4	5			2	53		
GHC15-1	EXPAGHC15-1-648	3340	3345	12		3		0		0	1	1	3	0	0	2	2	3	5			2	53		
GHC15-1	EXPAGHC15-1-649	3345	3350	22	9	1	3346-3347' reddish-gray aphanitic phonolite dike cuts thru syenite	0		0	1	1	3	0	0	5	3	3	5	gypsum veins cut both the syenite and aphanitic phonolite		2	53		
GHC15-1	EXPAGHC15-1-650	3350	3355	12	9	1		0		0	1	1	3	0	0	5	3	3	5	disseminated carbonate		2	53		
GHC15-1	EXPAGHC15-1-651	3355	3360	12		2		0		0	1	1	3	0	0	5	2	4	4			2	53		fluorite mixed in with gypsum, fluidized
GHC15-1	EXPAGHC15-1-652	3360	3365	10	10	0	syenite breccia as above	0		0	1	1	4	0	0	5	2	4	4			2	53		
GHC15-1	EXPAGHC15-1-653	3365	3370	12		1		0		0	1	1	1	0	0	5	2	4	4			2	53		
GHC15-1	EXPAGHC15-1-654	3370	3375	95	9	1	3371-3372' gypsum/fluorite vein cutting thru syenite, very fluidized	0		0	0	0	3	0	0	5	4	3	4			2	53		
GHC15-1	EXPAGHC15-1-655	3375	3380	12		1		0		0	0	0	3	0	0	5	3	3	5			2	53		
GHC15-1	EXPAGHC15-1-656	3380	3385	12		1		0		0	0	0	3	0	0	5	1	3	5			2	53		
GHC15-1	EXPAGHC15-1-657	3385	3390	12		2		0		0	1	0	3	0	0	5	1	4	5			2	53		
GHC15-1	EXPAGHC15-1-658	3390	3395	12		1		0		0	1	0	4	0	0	5	2	4	5			2	53		
GHC15-1	EXPAGHC15-1-659	3395	3400	12		1		0		0	1	0	4	0	0	5	2	4	5			2	53		
GHC15-1	EXPAGHC15-1-660	3400	3405	12		2		0		0	1	0	4	0	0	5	3	4	5			2	53		
GHC15-1	EXPAGHC15-1-661	3405	3410	12		3		0		0	1	0	4	0	0	4	3	4	5			2	53		
GHC15-1	EXPAGHC15-1-662	3410	3415	12		3		0		0	1	0	4	0	0	4	3	3	5			2	53		
GHC15-1	EXPAGHC15-1-663	3415	3420	12		3		0		0	1	0	4	0	0	5	2	3	4		60	3	53		
GHC15-1	EXPAGHC15-1-664	3420	3425	12		3		0		0	1	2	4	0	0	3	2	4	4	selvages around healed frx are strongly bleached, biotite is gone, replaced by sericite?		3	53		
GHC15-1	EXPAGHC15-1-665	3425	3430	12		2		0		0	1	2	4	0	0	4	2	4	5			3	53		
GHC15-1	EXPAGHC15-1-666	3430	3435	12		3		0		0	1	1	3	0	0	4	2	3	5			3	53		
GHC15-1	EXPAGHC15-1-667	3435	3440	35	9	2	3439-3441' porphyritic phonolite dike, euhedral lath-shaped phenos	0		0	0	0	4	0	0	2	2	3	4			2	53		
GHC15-1	EXPAGHC15-1-668	3440	3445	12	9	2	cuts back to syenite as above	0		0	0	0	3	0	0	5	1	3	5			2	53		
GHC15-1	EXPAGHC15-1-669	3445	3450	22	9	1	3449-3450' reddish-gray aphanitic phonolite dike, same unit as at 3346'	0		0	0	0	3	0	0	5	1	4	2			2	53		
GHC15-1	EXPAGHC15-1-670	3450	3455	12	9	1		0		0	0	0	3	0	0	5	2	4	3			3	53		
GHC15-1	EXPAGHC15-1-671	3455	3460	12		1		0		0	0	0	3	0	0	5	1	3	3			3	53		
GHC15-1	EXPAGHC15-1-672	3460	3465	12		1		0		0	1	0	3	0	0	5	1	4	3			3	53		
GHC15-1	EXPAGHC15-1-673	3465	3470	12		2		0		0	1	0	3	0	0	3	1	3	3			3	53		
GHC15-1	EXPAGHC15-1-674	3470	3475	38	9	1	3472' cuts to intrusive porphyritic phonolite dike, looks different than dike @ 3439'	0		0	0	0	5	0	0	2	1	2	1			2	53		
GHC15-1	EXPAGHC15-1-675	3475	3480	38		1		0		0	0	0	4	0	0	3	0	4	0		60	1	53		late-stage gypsum veins cut the dike, fluidized fluorite and galena within
GHC15-1	EXPAGHC15-1-676	3480	3485	38		1		0		0	0	0	5	0	0	3	0	4	0		60	1	53		
GHC15-1	EXPAGHC15-1-677	3485	3490	38		1		0		0	0	0	5	0	0	2	0	4	0		60	1	53		
GHC15-1	EXPAGHC15-1-678	3490	3495	38		2		0		0	0	0	5	0	0	2	0	4	0			1	53		
GHC15-1	EXPAGHC15-1-679	3495	3500	38		3		0		0	0	0	5	0	0	2	0	4	0			1	53		
GHC15-1	EXPAGHC15-1-680	3500	3505	38		2		0		0	0	0	5	0	0	1	0	5	0			2	53		
GHC15-1	EXPAGHC15-1-681	3505	3510	12	9	2	3505' cuts back to syenite as above	0		0	0	0	4	0	0	4	0	5	3		60	3	53		
GHC15-1	EXPAGHC15-1-682	3510	3515	12		1		0		0	0	0	4	0	0	4	0	5	3			3	53		
GHC15-1	EXPAGHC15-1-683	3515	3520	12		1		0		0	0	0	4	0	0	5	1	5	3			2	53		
GHC15-1	EXPAGHC15-1-684	3520	3525	12		1		0		0	0	0	4	0	0	4	1	5	3			2	53		
GHC15-1	EXPAGHC15-1-685	3525	3530	12		1		0		0	0	0	4	0	0	4	0	5	3			2	53		
GHC15-1	EXPAGHC15-1-686	3530	3535	12		2	stockwork gypsum-fluorite veinlets	0		0	0	0	4	0	0	4	0	4	3			3	53		
GHC15-1	EXPAGHC15-1-687	3535	3540	12		2		0		0	0	0	4	0	0	4	0	4	3			2	53		
GHC15-1	EXPAGHC15-1-688	3540	3545	12		1	ash flow @ 3541-3542'	0		0	0	0	4	0	0	5	3	4	3			2	53		stockwork fluorite
GHC15-1	EXPAGHC15-1-689	3545	3550	12		1		0		0	0	0	4	0	0	4	2	5	4			2	53		
GHC15-1	EXPAGHC15-1-690	3550	3555	12		2		0		0	0	0	4	2	0	4	1	4	4	greenish tint to core, possibly chlorite?		2	53		
GHC15-1	EXPAGHC15-1-691	3555	3560	12		3		0		0	1	0	4	2	0	2	1	3	4			3	53		
GHC15-1	EXPAGHC15-1-692	3560	3565	12		2		0		0	1	0	4	2	0	2	1	3	5	hornblende replaced by biotite		3	53		
GHC15-1	EXPAGHC15-1-693	3565	3570	12		2		0		0	1	0	4	1	0	5	0	3	4			2	53		
GHC15-1	EXPAGHC15-1-694	3570	3575	12		2		0		0	1	0	4	0	0	5	0	3	5			3	53		

Hole Number	Sample Number	Depth from	Depth to	Rock type	Contact	Structure	Lithology comment	Oxidation	Oxidation comment	Specularite	Argillic	Sericitic	Potassic	Propylitic	Silification	Sulfate	Carbonate	Bleached	Biotite	Alteration comment	Mineralization	Pyrite	Gangue	Quartz	Mineralization comment
GHC15-1	EXPAGHC15-1-695	3575	3580	12		1		0		0	1	0	4	2	0	5	2	3	5			3	53		spotty, blue-green Cu-ox throughout
GHC15-1	EXPAGHC15-1-696	3580	3585	12		1		0		0	0	0	4	1	0	5	1	3	5		60	4	53		60=galena
GHC15-1	EXPAGHC15-1-697	3585	3590	12		1		0		0	0	0	4	0	0	5	1	4	5		60	2	53		
GHC15-1	EXPAGHC15-1-698	3590	3595	12		1		0		0	0	0	4	2	0	5	2	4	5		60	2	53		
GHC15-1	EXPAGHC15-1-699	3595	3600	12		1		0		0	0	0	3	2	0	4	1	3	5		60	3	53		
GHC15-1	EXPAGHC15-1-700	3600	3605	41	9	1	sharp transition to heterolithic breccia w/ dark gray ash matrix	0		0	0	0	4	0	0	5	1	4	0	ash breccia matrix is laminated, moderate pyrite replacement within, very hard to scratch	60	3	53		
GHC15-1	EXPAGHC15-1-701	3605	3610	41		1	ash matrix is laminated in areas	0		0	0	0	4	0	0	1	1	3	0			3	53		
GHC15-1	EXPAGHC15-1-702	3610	3615	41		1		0		0	0	0	4	0	0	5	0	4	0			2	53		gypsum fluorite veins
GHC15-1	EXPAGHC15-1-703	3615	3620	41		1		0		0	0	0	4	0	0	3	0	4	0			2	53		
GHC15-1	EXPAGHC15-1-704	3620	3625	41		1		0		0	0	0	4	0	0	5	0	3	0			2	53		
GHC15-1	EXPAGHC15-1-705	3625	3630	41		1		0		0	0	0	5	0	0	4	1	3	0			2	53		
GHC15-1	EXPAGHC15-1-706	3630	3635	41		3	broken/rubble zone	0		0	0	0	4	0	0	4	1	3	0			2	53		
GHC15-1	EXPAGHC15-1-707	3635	3640	41		2		0		0	0	0	4	0	0	5	0	3	0			3	53		
GHC15-1	EXPAGHC15-1-708	3640	3645	41		1		0		0	0	0	5	0	0	2	0	3	0	pervasive potassic alteration (adularia), med-dark gray color		2	53		
GHC15-1	EXPAGHC15-1-709	3645	3650	41		2	coarse, clast-suported, ash matrix is very fine, interstitial	0		0	0	0	5	0	0	5	0	3	0			2	53		
GHC15-1	EXPAGHC15-1-710	3650	3655	41		1		0		0	0	0	5	0	0	5	0	5	0			2	53		
GHC15-1	EXPAGHC15-1-711	3655	3660	41		2		0		0	0	0	5	0	0	5	0	5	0			2	53		
GHC15-1	EXPAGHC15-1-712	3660	3665	41		2		0		0	0	0	5	0	0	5	0	5	0			2	53		
GHC15-1	EXPAGHC15-1-713	3665	3670	41		2		0		0	0	0	5	0	0	3	0	4	0			3	53		
GHC15-1	EXPAGHC15-1-714	3670	3675	41		3		0		0	0	0	5	0	0	3	0	4	0			3	53		
GHC15-1	EXPAGHC15-1-715	3675	3680	41		3		0		0	0	0	5	0	0	3	0	3	0			3	53		
GHC15-1	EXPAGHC15-1-716	3680	3685	41		2		0		0	0	0	5	0	0	5	0	3	0			2	53		3681-3682.5' gypsum vein
GHC15-1	EXPAGHC15-1-717	3685	3690	41		2		0		0	0	0	5	0	0	3	0	3	0			2	53		
GHC15-1	EXPAGHC15-1-718	3690	3695	41		1		0		0	0	0	5	0	0	5	0	3	0			2	53		
GHC15-1	EXPAGHC15-1-719	3695	3700	41		2		0		0	0	0	5	0	0	3	0	3	0			2	53		
GHC15-1	EXPAGHC15-1-720	3700	3705	41		3		0		0	0	0	5	0	0	3	0	3	0			2	53		
GHC15-1	EXPAGHC15-1-721	3705	3710	95	9	3	3708-3710' gypsum vein	0		0	0	0	4	0	0	5	0	3	0			2	53		
GHC15-1	EXPAGHC15-1-722	3710	3715	41	9	3		0		0	0	0	4	0	0	2	0	4	0			2	53		
GHC15-1	EXPAGHC15-1-723	3715	3720	41		1		0		0	0	0	4	0	0	4	2	3	0			2	53		weak-moderate disseminated carbonate
GHC15-1	EXPAGHC15-1-724	3720	3725	95	9	1	3721-3723' gypsum vein	0		0	0	0	4	0	0	5	1	3	0			2	53		
GHC15-1	EXPAGHC15-1-725	3725	3730	42	10	2		0		0	0	0	5	0	0	2	2	3	0			2	53		
GHC15-1	EXPAGHC15-1-726	3730	3735	95	9	3	3730-3732' gypsum-fluorite vein	0		0	0	0	5	0	0	5	1	3	0			2	53		
GHC15-1	EXPAGHC15-1-727	3735	3740	42		2	gradually becomes clast-supported, heterolithic breccia, large angular clasts up to 10 cm	0		0	0	0	5	0	0	4	0	4	0			2	53		
GHC15-1	EXPAGHC15-1-728	3740	3745	42		5	very broken up due to gypsism veining	0		0	0	0	4	0	0	5	1	3	0			1	53		
GHC15-1	EXPAGHC15-1-729	3745	3750	42		3		0		0	0	0	4	0	0	5	1	3	0			2	53		
GHC15-1	EXPAGHC15-1-730	3750	3755	41	9	3	cuts back to ash breccia as above	0		0	0	0	4	0	0	5	0	3	0			2	53		
GHC15-1	EXPAGHC15-1-731	3755	3760	41		3		0		0	0	0	5	0	0	5	0	3	0			2	53		
GHC15-1	EXPAGHC15-1-732	3760	3765	41		1		0		0	0	0	5	0	0	4	0	3	0			2	53		
GHC15-1	EXPAGHC15-1-733	3765	3770	41		2		0		0	0	0	5	0	0	4	0	2	0			2	53		
GHC15-1	EXPAGHC15-1-734	3770	3775	41		1		0		0	0	0	5	0	0	3	0	2	0			2	53		
GHC15-1	EXPAGHC15-1-735	3775	3780	41		2		0		0	0	0	4	0	0	3	0	2	0			2	53		
GHC15-1	EXPAGHC15-1-736	3780	3785	41		1		0		0	0	0	5	0	0	3	0	2	0			2	53		
GHC15-1	EXPAGHC15-1-737	3785	3790	41		1	3789-3790' gysum-fluorite vein	0		0	0	0	5	0	0	5	0	2	0			2	53		
GHC15-1	EXPAGHC15-1-738	3790	3795	41		2		0		0	0	0	5	0	0	5	1	2	0			3	53		
GHC15-1	EXPAGHC15-1-739	3795	3800	41		3	broken up zone, sheeted fractures ~30 deg angle to core axis	0		0	0	0	5	0	0	1	0	2	0	pyrite replacing matrix and forming rims around clasts		4	53		
GHC15-1	EXPAGHC15-1-740	3800	3805	42	10	2	ash matrix disappears gradually, rock is still heterolithic breccia, coarse clasts	0		0	0	0	4	0	0	4	0	2	0			3	53		
GHC15-1	EXPAGHC15-1-741	3805	3810	42		2		0		0	0	0	4	0	0	3	0	2	2			2	53		biotite from syenite clasts
GHC15-1	EXPAGHC15-1-742	3810	3815	42		1	3814-3816' gypsum-fluorite vein	0		0	0	0	3	0	0	5	0	2	2			3	53		
GHC15-1	EXPAGHC15-1-743	3815	3820	42		2		0		0	0	0	5	0	0	4	0	2	0			3	53		
GHC15-1	EXPAGHC15-1-744	3820	3825	42		5	fracture zone, ~30 deg to core axis, sheeted fractures	0		0	0	0	4	0	0	5	0	2	0			4	53		
GHC15-1	EXPAGHC15-1-745	3825	3830	42		5	fracture zone as above	0		0	2	0	4	0	0	4	0	3	0	weak-moderate clay alteration (kaolinite)		4	53		
GHC15-1	EXPAGHC15-1-746	3830	3835	95	9	3	3832.5-3835' gypsum-fluorite vein	0		0	2	0	4	0	0	5	0	4	0			3	53		
GHC15-1	EXPAGHC15-1-747	3835	3840	42	9	5	fracture zone as above	0		0	3	0	4	0	0	4	0	4	0			3	53		
GHC15-1	EXPAGHC15-1-748	3840	3845	42		3		0		0	3	0	4	0	0	3	3	3	0			3	53		moderate disseminated carbonate
GHC15-1	EXPAGHC15-1-749	3845	3850	42		5		0		0	3	1	3	0	0	3	2	3	0			3	53		
GHC15-1	EXPAGHC15-1-750	3850	3855	42		5		0		0	3	1	3	0	0	3	2	3	0			2	53		
GHC15-1	EXPAGHC15-1-751	3855	3860	42		5		0		0	3	1	3	0	0	3	0	3	0			2	53		
GHC15-1	EXPAGHC15-1-752	3860	3865	42		2		0		0	2	1	3	0	0	4	0	3	0	gysum-fluorite veinlets are replacing matrix		2	53		
GHC15-1	EXPAGHC15-1-753	3865	3870	42		3		0		0	3	1	3	0	0	4	0	4	0			3	53		

Hole Number	Sample Number	Depth from	Depth to	Rock type	Contact	Structure	Lithology comment	Oxidation	Oxidation comment	Specularite	Argillic	Sericitic	Potassic	Propylitic	Silification	Sulfate	Carbonate	Bleached	Biotite	Alteration comment	Mineralization	Pyrite	Gangue	Quartz	Mineralization comment
GHC15-1	EXPAGHC15-1-754	3870	3874	42		5	EOH	0		0	4	1	3	0	0	4	0	4	0			2	53		