

November 5, 2020

Mr. Eric Scott, Reclamation Specialist
Division of Reclamation, Mining and Safety
1313 Sherman, Room 215
Denver, Colorado 80203

RE: Bestway Concrete & Aggregate, Nissen Pit (M-2003-001) – Monitoring Well information

Dear Mr. Scott:

This letter discusses the Nissen Gravel Mine (Site) and the surrounding monitoring wells. The Nissen Gravel Mine was slurry lined in 2004 and an approved leak test was performed in 2008. The wall continues to perform within the Colorado State Lined Reservoir Criteria as discussed in the March 12, 2015 letter and is still being used as an insitu water storage vessel by Central Colorado Water Conservancy District (CCWCD)

Water levels have been monitored as early as 2006. Attached is a table of the monitoring well data and a map showing the locations of the wells. The miner will continue to observe water levels surrounding the Site. A significant amount of the reported data was observed by CCWCD as they are the land owner and end user of the water storage reservoir.

The Table below shows the results from 2006 to 2020 reporting the water depth below ground. In summary looking at the external wells that are reported (X-2, X-3, X-4, PZ-7 and PZ-9) from 2006 to 2020 and comparing the average water level to October 24, 2019 the levels have remained fairly consistent.

	Min	Max	Average	10/24/19
PZ-1	3.92	29.41	13.11	15.31
PZ-2	4.62	30.18	13.66	15.86
PZ-3	4.59	30.23	13.60	15.57
PZ-4	4.24	30.30	13.25	14.63
PZ-5	4.51	32.75	13.76	14.44
PZ-8	2.84	27.77	11.53	14.38
PZ-7	3.96	11.31	9.90	10.49
PZ-9	2.00	8.46	7.17	7.51
PZ-10	1.11	19.91	7.81	9.67
PZ-11	2.20	26.90	11.75	15.32
PZ-12	3.89	24.09	11.21	12.94
X-2	2.00	8.79	7.00	6.38
X-3	3.00	8.93	5.57	4.27
X-4	2.16	7.36	4.65	3.49
X-6	6.02	29.60	14.60	17.22

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Monitoring well X-4 was measured on May 15, 2020 reporting a level of 2.25 feet below ground surface. Which is consistent with the data from 2006 to 2020.

Please feel free to call me if you have any questions at 303.833.1416 x 202.

Sincerely,

CIVIL RESOURCES, LLC

A handwritten signature in blue ink, appearing to read 'Andy Rodriguez', with a stylized flourish at the end.

Andy Rodriguez, P.E.
Project Manager

J:\Bestway-213\nissen\groundwater\Nissen GW_2020.doc


CIVIL RESOURCES, LLC
323 5th STREET
P.O. Box 580
FREDERICK, CO 80530
303.833.1416
WWW.CIVILRESOURCES.COM

BESTWAY CONCRETE
301 CENTENNIAL DR
MILLIKEN COLORADO
80543
CONTACT: 970 587 7277

NISSEN RESOURCE
M2003001
BESTWAY CONCRETE

REVISIONS		
NO.	DESCRIPTION	DATE

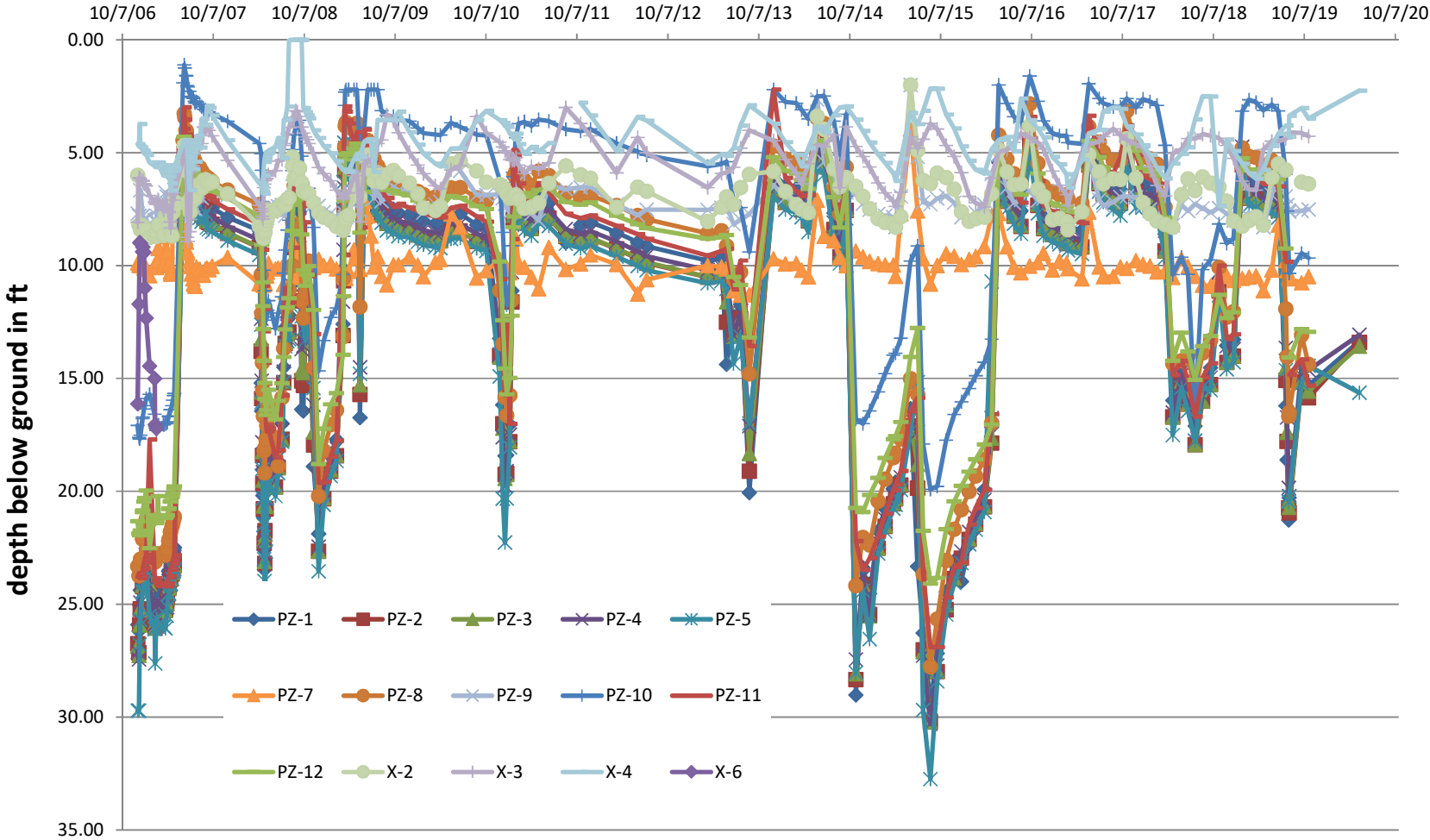
DESIGNED BY: ARR	DATE: 3-2-2018
DRAWN BY: ARR	SCALE: AS NOTED
CHECKED BY: MJ	AS NOTED
JOB NO.: 213.001.31	
DWG NAME: MINING PLAN.DWG	

MONITORING
WELL LOCATIONS

SHEET:
-



Nissen Reservoir - Monitoring Well Data



Piezometers	12/7/06	12/12/06	12/15/06	12/18/06	12/27/06
PZ-1	25.90	26.19	25.04	24.38	23.39
PZ-2	26.75	27.15	25.90	25.21	24.21
PZ-3	26.86	27.27	25.91	25.20	24.18
PZ-4	27.10	27.45	25.72	24.93	23.89
PZ-5	29.71	29.71	26.79	25.70	24.49
PZ-8	23.32	23.74	23.45	23.01	22.12
PZ-10	17.08	17.61	17.68	17.52	16.78
PZ-11	23.78	23.63	23.85	23.79	23.45
PZ-12	21.33	21.87	21.95	21.73	20.92
X-6	23.95	25.02	25.52	25.97	26.48
NORTHWELL	24.32	24.55	23.46	22.84	21.83
PZ-7	9.88	9.98	10.00	9.82	9.98
PZ-9	7.69	7.79	7.80	6.66	7.80
X-2	6.00	8.20	8.21	8.41	8.25
X-3	8.08	6.11	6.12	6.17	6.24
X-4	4.62	4.72	3.73	4.76	4.88

Piezometers	12/28/06	1/2/07	1/5/07	1/10/07	1/24/07	2/13/07	2/15/07	2/20/07	2/22/07	2/27/07	3/1/07	3/20/07	3/22/07
PZ-1	23.33	23.00	22.81	22.52	23.32	24.99	25.05	24.35	24.13	24.40	24.39	24.4	24.45
PZ-2	24.13	23.78	23.62	23.31	24.06	25.79	25.98	25.15	25.10	25.19	25.19	25.17	25.24
PZ-3	24.11	23.75	23.59	23.28	24.12	25.88	26.06	25.15	25.10	25.20	25.18	25.2	25.24
PZ-4	23.82	23.48	23.29	22.99	24.19	25.90	26.08	24.91	24.87	25.02	25.04	25.05	25.1
PZ-5	24.42	24.04	23.86	23.54	25.52	26.10	27.62	25.65	25.67	25.93	25.92	25.97	26
PZ-8	22.05	21.70	21.53	21.23	21.34	22.91	23.13	22.90	22.81	22.77	22.77	22.75	22.8
PZ-10	16.71	16.35	16.21	15.89	15.70	16.59	17.13	17.30	17.21	17.09	17.06	17.02	17.06
PZ-11	23.39	23.16	23.02	22.83	17.70	23.84	24.03	24.13	24.09	24.18	24.10	24.15	24.18
PZ-12	20.84	20.46	20.29	19.96	22.52	21.06	21.25	21.41	21.33	20.21	21.19	21.13	21.18
X-6	26.48	26.38	26.30	26.13	25.69	26.34	26.50	26.83	26.90	27.05	27.08	27.17	27.2
NORTHWELL	21.75	21.38	21.22	20.92	21.70	23.35	23.50	22.73	22.67	22.76	22.76	22.75	22.8
PZ-7	10.00	10.11	10.16	10.11	10.45	9.99	10.01	10.09	9.80	9.24	9.23	9.98	9.92
PZ-9	7.79	7.94	7.95	7.94	8.29	7.99	8.05	8.02	7.80	7.49	7.42	8	7.95
X-2	8.26	8.40	8.41	8.41	8.75	8.66	8.71	8.70	8.52	8.24	8.20	8.66	8.64
X-3	6.27	6.36	6.41	6.47	6.89	7.19	7.25	7.29	7.20	7.07	7.12	7.51	7.55
X-4	4.93	5.02	5.06	5.10	5.43	5.59	5.64	5.61	5.52	5.43	5.51	6	6.02

Piezometers	3/29/07	4/3/07	4/5/07	4/11/07	4/12/07	4/18/07	4/19/07	4/24/07	4/27/07	5/1/07	5/3/07	6/7/07	6/12/07
PZ-1	24.48	24.22	24	23.55	23.5	23.15	23.12	22.9	22.75	22.55	22.48	5.50	4.33
PZ-2	25.25	24.99	24.76	24.31	24.25	23.9	23.88	23.65	23.5	23.32	23.22	6.20	5.02
PZ-3	25.28	24.98	24.75	24.28	24.23	23.88	23.85	23.61	23.49	23.3	23.2	6.15	5.00
PZ-4	25.13	24.74	24.48	24	23.95	23.61	23.55	23.34	23.19	23	22.91	5.80	4.65
PZ-5	26.08	25.51	25.13	24.55	24.5	24.13	24.09	23.88		23.54	23.45	6.20	5.30
PZ-8	22.83	22.7	22.56	22.2	22.13	21.81	21.78	21.55	21.39	21.22	21.12	4.45	3.27
PZ-10	17.01	16.98	16.92	16.69	16.66	16.38	16.39	16.21	15.96	15.76	15.66	1.90	1.11
PZ-11	24.21	24.18	24.08	23.8	23.75	23.48	23.42	23.19	23.05	22.87	22.83	3.95	2.99
PZ-12	21.18	21.12	21.05	20.79	20.76	20.46	20.45	20.25	20.09	19.87	19.78	5.20	4.30
X-6	27.25	27.27	27.26	27.11	27.08	26.87	26.83	26.63	26.5	26.33	26.25	8.20	6.23
NORTHWELL	22.82	22.55	22.35	21.91	21.83	21.5	21.42	21.26	21.08	20.9	20.82	3.90	2.68
PZ-7	8.45	8.71	9.37	10.01	9.92	10.28	10.38	10.33	7.84	8.03	7.65	8.35	8.68
PZ-9	6.76	6.94	7.23	7.54	7.43	7.73	7.97	8.13	6.41	6.4	6.07	5.50	4.85
X-2	7.78	7.82	8.02	8.28	8.21	8.5	8.55	8.69	7.65	7.4	7.14	5.55	4.68
X-3	7.3	7.32	7.4	7.64	7.6	8.07	8.34	6.87	6.77	7.09	6.78	5.30	4.93
X-4	5.55	5.68	5.82	6.04	6.04	6.35	6.68	5.82	5.55	5.73	5.66	4.60	4.49

Piezometers	6/14/07	6/19/07	6/21/07	6/25/07	6/27/07	7/3/07	7/6/07	7/10/07	7/12/07	7/17/07	7/19/07	7/24/07	7/26/07
PZ-1	4.55	5.12	5.18	6.51	5.57	5.85	5.99	6.22	6.19	6.30	6.35	6.51	6.59
PZ-2	5.25	5.85	5.88	6.94	6.29	6.56	6.70	6.95	6.98	7.02	7.11	7.24	7.32
PZ-3	5.24	5.85	5.87	6.27	6.29	6.54	6.68	6.91	6.88	6.99	7.06	7.21	7.32
PZ-4	4.93	5.50	5.56	5.96	5.97	6.23	6.39	6.60	6.57	6.68	6.77	6.92	6.82
PZ-5	5.72	6.16	6.25	6.65	6.67	6.95	7.49	7.30	7.30	7.40	7.46	7.53	7.62
PZ-8	3.44	4.00	4.05	4.44	4.41	4.70	4.83	5.04	5.05	5.15	5.22	5.36	5.46
PZ-10	1.25	1.57	1.60	2.02	2.09	2.28	2.52	2.54	2.50	2.55	2.60	2.72	2.79
PZ-11	3.53	4.20	4.32	4.80	4.82	5.12	5.27	5.51	5.55	5.67	5.73	5.98	6.10
PZ-12	4.58	4.92	5.00	5.32	5.34	5.57	5.73	5.86	5.85	5.86	5.95	6.04	6.10
X-6	6.40	6.90	7.00	7.45	7.55	7.85	8.01	8.27	8.35	8.51	8.60	8.81	8.90
NORTHWELL	2.91	3.48	3.55	3.94	3.93	4.20	4.32	4.60	4.55	4.67	4.75	4.64	4.70
PZ-7	8.44	8.79	8.96	9.36	9.45	9.81	10.04	10.36	10.35	10.59	10.80	10.86	10.92
PZ-9	5.19	5.82	6.00	6.89	7.00	7.18	7.10	7.30	7.20	7.31	7.47	7.46	7.49
X-2	5.13	5.70	5.80	7.20	7.33	7.32	7.63	7.05	6.90	6.91	7.04	6.96	6.99
X-3	5.05	5.15	5.12	8.75	8.93	8.50	7.95	5.86	5.56	5.57	5.67	5.39	5.40
X-4	4.43	4.55	4.46	5.13	5.24	6.65	5.40	4.98	4.55	5.72	4.75	4.80	5.40

Piezometers	8/1/07	8/13/07	8/21/07	8/29/07	9/6/07	9/12/07	9/19/07	10/2/07	12/3/07	4/9/08	4/16/08	4/18/08	4/21/08	4/23/08
PZ-1	6.70	6.83	7.02	7.15	7.17	7.34	7.35	7.45	7.85	8.46	15.20	16.45	19.04	20.19
PZ-2	7.43	7.55	7.73	7.20	7.22	8.05	8.09	8.17	8.57	9.20	13.80	15.90	18.41	19.66
PZ-3	7.40	7.53	7.70	7.90	7.81	8.01	8.01	8.13	8.53	9.18	13.25	15.60	18.24	19.50
PZ-4	7.10	7.21	7.40	7.85	7.80	7.72	7.71	7.85	8.24	8.87	12.35	15.10	17.83	19.15
PZ-5	7.80	7.88	8.05	7.83	7.65	8.32	8.40	8.50	8.90	9.53	12.62	16.05	19.02	20.32
PZ-8	5.54	5.66	5.82	5.97	6.04	6.09	6.16	6.27	6.65	7.30	10.40	12.12	14.30	15.53
PZ-10	2.74	2.86	2.97	3.07	3.10	3.19	3.19	3.27	3.61	4.60	5.05	5.77	7.16	8.05
PZ-11	6.10	6.40	6.57	6.74	6.78	6.93	6.95	7.10	7.50	8.16	8.42	9.29	10.89	11.92
PZ-12	6.22	6.20	6.34	6.45	6.66	6.57	6.61	6.70	7.00	7.81	8.22	9.08	10.74	11.79
X-6	9.10	9.26	9.45	9.64		9.77	9.89	10.03	10.52	11.12	11.20	11.28	11.74	12.30
NORTHWELL	5.10	5.20	5.36	5.52	5.50	5.69	5.70	5.82	6.20	6.80	45.07	48.32	50.56	51.76
PZ-7	10.06	10.16	10.40	10.43	10.15	10.12	10.18	10.03	9.64	10.80	10.41	10.57	10.71	10.83
PZ-9	6.90	6.93	7.00	6.83	6.62	6.74	6.80	6.70	6.88	8.14	8.06	8.19	8.38	8.45
X-2	6.46	6.54	6.58	6.23	6.19	6.27	6.35	6.30	6.83	8.24	8.24	8.41	8.64	8.75
X-3	4.69	4.80	4.60	3.87	3.92	3.90	4.00	4.25	5.33	7.33	7.49	7.61	7.81	7.94
X-4	4.25	4.77	3.50	3.78	3.77	2.92	3.01	3.35	4.45	6.35	6.43	6.54	6.72	6.81

Piezometers	4/25/08	4/28/08	4/30/08	5/2/08	5/6/08	5/9/08	5/12/08	5/16/08	6/13/08	6/23/08	7/9/08	7/16/08	7/22/08
PZ-1	21.13	22.60	23.47	20.91	20.80	18.68	18.03	17.56	19.04	18.20	16.99	14.50	12.74
PZ-2	20.78	22.29	23.19	21.74	20.78	19.49	18.81	18.30	19.80	18.94	17.69	15.18	13.45
PZ-3	20.65	22.17	23.11	21.89	20.66	19.53	18.83	18.28	19.80	18.94	17.70	15.13	13.40
PZ-4	20.29	21.85	22.78	22.14	19.80	19.32	18.55	18.02	19.54	18.35	17.31	14.70	13.00
PZ-5	21.49	23.01	23.97	24.41	22.67	20.32	19.33	19.66	20.21	19.19	17.80	15.17	13.57
PZ-8	16.67	18.20	19.18	18.05	17.69	17.09	16.62	16.19	17.63	18.88	15.84	13.68	11.88
PZ-10	8.96	10.20	11.11	11.74	12.41	12.27	11.97	11.56	12.79	12.10	11.38	10.33	9.31
PZ-11	12.91	14.31	15.23	15.96	17.07	17.35	17.24	17.22	18.49	18.19	15.75	12.45	10.99
PZ-12	12.81	14.21	15.20	15.91	16.62	16.40	15.99	15.50	16.81	15.98	15.21	14.05	12.82
X-6	13.03	14.19	14.93	15.74	17.37	18.44	19.17	19.76	20.86	21.26	19.66	15.60	13.10
NORTHWELL	52.85	53.80	53.40	19.29	18.10	17.05	16.37	15.88	17.40	16.50	15.30	12.85	11.15
PZ-7	10.87	10.70	10.80	10.79	10.46	10.45	10.29	9.89	10.15	10.12	10.09	10.83	11.17
PZ-9	8.46	8.31	8.35	8.26	8.02	7.89	7.75	7.40	7.46	7.37	7.32	7.62	7.79
X-2	8.79	8.61	8.57	8.47	8.19	8.01	7.86	7.53	7.57	7.46	7.27	7.28	7.32
X-3	7.19	6.55	6.39	6.24	6.17	6.13	6.03	5.98	5.80	5.37	5.30	4.68	4.60
X-4	6.01	5.41	5.29	5.16	4.98	5.02	4.96	4.91	4.73	4.35	5.25	3.54	3.53

Piezometers	7/30/08	8/6/08	8/19/08	8/21/08	8/27/08	9/2/08	9/8/08	9/17/08	9/26/08		10/3/08	10/10/08	10/17/08
PZ-1	12.30	12.19	10.83	8.57	7.50	7.59	7.60	7.62	16.37		16.45	12.62	11.25
PZ-2	13.04	12.95	11.57	9.20	8.21	8.30	8.33	8.34	15.11		15.31	13.37	12.00
PZ-3	13.03	12.92	11.46	9.05	8.19	8.27	8.30	8.32	14.61		14.74	13.35	11.97
PZ-4	12.69	12.61	10.88	8.32	7.85	7.96	8.01	8.00	13.70		13.55	12.98	11.65
PZ-5	13.35	13.26	8.18	6.99	8.42	8.65	8.69	8.65	12.25		12.80	13.31	12.34
PZ-8	11.24	11.08	10.00	8.10	6.46	6.42	6.44	6.45	11.56		12.33	11.26	10.11
PZ-10	8.42	7.99	5.78	4.86	4.21	3.83	3.67	3.57	5.15		6.60	7.23	6.87
PZ-11	11.42	11.62	9.21	6.01	6.77	7.00	7.12	7.19	7.36		8.08	10.33	10.44
PZ-12	11.86	11.45	8.46	7.31	7.20	7.07	6.97	6.88	8.62		10.20	10.89	10.41
X-6	13.86	14.36	13.90	11.60	9.53	9.85	10.02	10.14	9.35		8.80	11.20	12.80
NORTHWELL	11.75	10.60	9.20	6.91	6.50	5.90	5.90	5.94	47.15		47.60	10.98	9.68
PZ-7	11.08	11.21	9.00	8.96	10.43	10.53	10.23	9.38	10.02		10.20	10.06	9.98
PZ-9	7.54	7.53	5.35	5.94	6.81	6.79	6.60	6.09	6.79		7.02	7.00	6.99
X-2	7.06	7.00	5.19	5.58	6.14	6.06	5.99	5.68	6.32		6.70	6.72	6.79
X-3	4.16	3.90	3.44	3.55	3.55	3.14	3.18	3.39	3.87		4.12	4.29	4.42
X-4	2.95	?	?	?	?	?	?	?	?		3.02	3.20	3.35

Piezometers	10/24/08	11/12/08	12/3/08	12/23/08	1/21/09	2/13/09	3/11/09	3/13/09	3/16/09	3/18/09	3/20/09	3/23/09	4/3/09
PZ-1	10.98	18.90	21.88	19.60	18.35	17.70	12.60	10.15	7.00	5.16	4.61	4.60	4.95
PZ-2	11.70	17.95	22.66	20.33	19.10	18.43	13.10	10.68	7.58	5.78	5.27	5.32	5.65
PZ-3	11.69	17.37	22.65	20.30	19.05	18.40	12.75	10.38	7.38	5.63	5.22	5.26	5.63
PZ-4	11.36	16.17	22.45	20.00	18.76	18.10	11.60	9.30	6.57	5.05	4.80	4.91	5.30
PZ-5	12.01	15.43	23.55	20.60	19.32	18.65	7.52	6.30	4.55	4.58	4.99	5.33	6.01
PZ-8	9.80	14.53	20.21	18.20	17.05	16.40	13.15	10.55	6.98	4.73	3.81	3.66	3.85
PZ-10	6.57	8.31	14.66	13.32	12.30	11.88	10.40	8.70	5.62	2.90	2.31	2.20	2.20
PZ-11	10.46	13.03	19.62	19.59	18.46	17.75	9.53	5.93	3.14	2.94	3.18	3.56	3.71
PZ-12	10.02	11.96	18.79	17.23	16.14	15.65	13.95	11.35	7.12	5.31	5.11	5.06	5.01
X-6	13.27	14.75	20.28	22.70	21.80	21.06	16.75	13.20	8.25	6.35	6.02	6.30	6.92
NORTHWELL	9.30	33.40	20.20	17.92	16.70	16.04	11.00	8.65	5.45	3.50	2.96	2.95	3.30
PZ-7	9.97	10.09	9.72	10.00	9.93	10.15	10.34	10.35	10.45	10.50	10.37	10.57	10.26
PZ-9	7.00	7.30	7.35	7.63	7.68	7.90	8.04	8.00	7.95	7.85	7.70	7.85	7.58
X-2	6.81	7.21	7.65	7.85	8.01	8.26	8.43	8.33	8.15	8.02	7.88	7.91	7.78
X-3	4.59	5.05	5.66	5.92	6.25	6.65	7.05	7.00	6.78	6.73	6.75	6.79	6.78
X-4	3.48	4.00	4.35	4.70	5.02	5.38	5.75	5.76	5.76	5.76	5.75	5.86	5.83

Piezometers	4/24/09	5/6/09	5/18/09	6/5/09	6/18/09	7/2/09	7/14/09	7/28/09	8/13/09	9/3/09	9/29/09	10/20/09	12/3/09
PZ-1	5.11	4.82	16.73	6.20	5.60	6.06	6.40	6.78	7.02	7.38	7.50	7.65	7.73
PZ-2	5.82	5.52	15.70	6.83	6.33	6.79	7.14	7.50	7.76	8.13	8.23	8.35	8.45
PZ-3	5.80	5.50	15.29	6.75	6.30	6.75	7.12	7.49	7.74	8.12	8.20	8.36	8.44
PZ-4	5.46	5.19	14.50	6.22	5.95	6.43	6.80	7.19	7.43	7.79	7.89	8.03	8.12
PZ-5	5.95	5.85	14.79	5.95	6.75	7.20	7.52	7.87	8.10	8.44	8.53	8.70	8.76
PZ-8	4.01	3.69	11.82	5.52	4.46	4.90	5.28	5.59	5.86	6.20	6.30	6.48	6.55
PZ-10	2.20	2.20	5.02	3.88	2.20	2.20	2.20	2.20	3.14	3.35	3.39	3.56	3.60
PZ-11	4.60	4.09	8.32	3.97	4.70	5.33	5.83	6.30	6.66	7.01	7.40	7.27	7.44
PZ-12	4.81	4.60	8.54	6.74	5.45	5.69	5.96	6.16	6.41	6.65	6.70	6.80	6.89
X-6	7.27	6.88	9.30	7.75	7.39	8.14	8.63	9.20	9.56	9.93	10.12	10.32	10.45
NORTHWELL	3.40	3.12		4.59	3.90	4.40	5.85	6.28	6.81	7.16	7.16	6.90	8.00
PZ-7	9.30	9.68	10.17	7.15	7.80	8.69	10.06	9.60	10.48	10.86	9.97	9.97	9.60
PZ-9	6.70	6.77	7.58	4.85	5.14	6.04	7.02	6.45	7.15	6.99	6.52	6.68	6.65
X-2	6.77	6.20	6.95	5.16	5.10	5.78	6.25	5.89	6.31	5.97	5.79	6.02	6.34
X-3	6.02	5.84	8.06	5.47	5.32	5.30	5.63	4.60	4.43	3.32	3.59	4.11	4.98
X-4	5.28	5.05	5.18	4.50	4.40	4.48	5.85	3.56	3.56	3.56	3.56	3.18	4.09

Piezometers	1/6/10	1/28/10	3/17/10	4/6/10	5/19/10	6/25/10	8/30/10	10/8/10	11/30/10	12/13/10	12/22/10	12/29/10	1/10/11
PZ-1	7.92	8.03	8.15	8.19	7.77	7.71	8.20	8.32	13.23	16.18	18.43	18.40	17.05
PZ-2	8.65	8.77	8.87	8.91	8.49	8.46	8.93	9.03	14.00	17.00	19.25	19.20	17.80
PZ-3	8.62	8.74	8.84	8.90	8.46	8.43	8.88	9.02	14.05	17.20	19.43	19.25	17.78
PZ-4	8.31	8.43	8.54	8.58	8.15	8.14	8.60	8.72	13.94	17.60	19.75	19.10	17.49
PZ-5	8.95	9.08	9.19	9.23	8.82	8.78	9.24	9.35	14.91	20.33	22.27	20.32	18.05
PZ-8	6.72	6.86	6.97	7.00	6.56	6.55	7.00	7.12	11.10	13.48	15.83	16.64	15.75
PZ-10	3.91	4.13	4.20	4.22	3.67	3.86	4.20	4.23	6.23	8.53	10.54	11.75	11.25
PZ-11	7.57	7.68	7.83	7.87	7.45	7.35	7.82	8.06	10.60	13.42	15.73	12.28	17.00
PZ-12	7.12	7.30	7.36	7.43	6.92	7.00	7.36	7.49	9.82	12.42	14.56	15.70	14.98
X-6	10.62	10.72	10.88	10.89	10.52	10.35	10.85	11.02	11.82	14.45	17.1	18.88	20.10
NORTHWELL	6.22	6.35	6.46	6.51	6.03	6.05			11.55	15.00	16.7	15.70	15.80
PZ-7	9.98	10.49	9.85	9.73	7.72	8.30	10.55	10.22	9.72	9.77	10.03	10.12	10.32
PZ-9	7.12	7.65	7.29	7.17	5.33	5.81	6.87	6.88	6.85	7.02	7.27	7.40	7.65
X-2	6.83	7.45	7.55	7.38	5.48	5.37	5.81	6.30	6.41	6.53	6.67	6.80	7.01
X-3	5.55	5.93	6.46	6.60	5.76	5.57	3.39	4.11	4.53	4.75	4.92	5.00	5.30
X-4	4.65	5.04	5.48	5.60	4.82	4.81	3.56	3.15	3.55	3.68	3.82	3.85	4.15

Piezometers	1/19/11	1/24/11	1/28/11	2/4/11	2/14/11	3/10/11	4/7/11	5/6/11	6/16/11	8/23/11	10/21/11	11/30/11
PZ-1	11.11	7.33	6.82	6.93	7.06	7.39	7.63	6.98	7.18	8.98	8.20	8.07
PZ-2	11.62	7.92	7.51	7.64	7.80	8.12	8.35	7.69	7.90	8.70	8.91	8.80
PZ-3	11.32	7.76	7.45	7.62	7.77	8.09	8.35	7.66	7.88	8.67	8.89	8.77
PZ-4	10.29	7.11	7.1	7.32	7.48	7.80	8.01	7.35	7.55	8.38	8.60	8.47
PZ-5	7.17	6.15	7.72	8.13	8.21	8.46	8.69	8.10	8.25	9.04	9.24	9.12
PZ-8	11.52	7.06	6	5.84	5.93	6.23	6.45	5.82	6.01	6.80	7.00	6.88
PZ-10	9.12	6.06	5.2	4.34	3.72	3.63	3.81	3.53	3.60	3.96	4.05	3.95
PZ-11	8.83	4.87	5.15	5.84	6.36	6.95	7.30	6.34	6.75	7.70	7.90	7.78
PZ-12	12.22	8.30	7.82	7.25	6.90	6.78	6.95	6.65	6.56	7.18	7.30	7.20
X-6	14.76	8.86	7.75	8.37	9.15	9.86	10.22	9.12	9.68	10.60	10.93	10.85
NORTHWELL												
PZ-7	9.93	10.02	10.01	8.82	9.90	10.07	10.52	11.03	9.20	10.17	9.92	9.53
PZ-9	7.34	7.25	7.23	6.38	7.15	7.39	7.69	8.00	6.43	6.62	6.54	6.50
X-2	6.95	6.91	6.95	6.87	7.05	7.47	7.40	7.23	6.35	5.58	5.98	6.13
X-3	5.33	5.29	5.33	5.22	5.55	5.92	5.60	5.72	5.45	3.00	3.70	4.25
X-4	4.21	4.35	4.40	4.15	4.62	5.05	4.75	4.97	4.57		2.78	3.35

Piezometers	3/14/12	6/7/12	7/13/12	3/15/13	5/9/2013	5/30/2013	6/27/2013	7/25/2013	8/29/2013	12/5/2013	1/21/2014
PZ-1	8.53	8.97	9.14	9.79	9.66	14.38	12.26	11.72	20.06	5.90	6.47
PZ-2	9.26	9.69	9.89	10.52	10.40	12.51	13.07	12.34	19.10	6.61	7.20
PZ-3	9.25	9.66	9.86	10.50	10.37	11.60	13.13	12.34	18.32	6.58	7.17
PZ-4	8.93	9.37	9.58	10.19	10.07	10.41	13.10	12.10	17.11	6.28	6.87
PZ-5	9.60	10.02	10.20	10.78	10.70	11.03	14.34	13.15	16.99	6.91	7.52
PZ-8	7.34	7.78	7.95	8.57	8.46	9.13	10.61	10.29	14.79	4.70	5.28
PZ-10	4.58	4.95	5.11	5.60	5.50	5.40	7.10	7.43	9.40	2.20	2.75
PZ-11	8.24	8.61	8.81	9.56	9.36	9.25	11.05	9.78	13.56	2.20	6.12
PZ-12	7.79	8.17	8.34	8.81	8.75	8.65	10.50	10.86	13.18	5.20	5.80
X-6	11.25	11.67	11.83	12.43	12.42	12.30	13.43	12.05	14.72	8.40	9.10
NORTHWELL											
PZ-7	9.95	11.26	10.62	10.00	10.05	10.15	11.12	11.31	11.30	9.70	9.93
PZ-9	7.29	7.77	7.52	7.53	7.44	7.35	8.16	7.98	7.72	6.43	6.98
X-2	7.42	6.52	6.71	8.05	7.42	6.95	7.30	6.55	5.96	5.83	6.72
X-3	5.89	4.33	5.00	6.55	5.91	5.88	5.65	4.80	4.01	4.47	5.30
X-4	4.92	3.41	3.58	5.48	5.07	5.14	4.80	3.80	2.90	3.72	4.53

Piezometers	3/6/2014	3/27/2014	4/24/2014	5/29/2014	6/26/2014	8/4/2014	8/28/2014	9/22/2014	10/31/2014	11/28/2014	12/26/2014
PZ-1	6.58	6.80	7.40	4.62	4.90	7.67	8.90	6.80	29.03	23.38	24.53
PZ-2	7.32	7.53	8.02	5.35	5.62	8.40	9.61	7.55	28.34	24.12	25.45
PZ-3	7.30	7.48	7.97	5.31	5.60	8.38	9.55	7.50	28.08	24.11	25.52
PZ-4	7.00	7.19	7.70	4.98	5.25	8.10	9.23	7.20	27.45	23.81	25.50
PZ-5	7.65	7.86	8.52	5.62	5.97	8.75	9.90	7.91	28.04	24.40	26.55
PZ-8	5.40	5.60	6.08	3.46	3.70	6.48	7.73	5.64	24.18	22.04	22.38
PZ-10	2.80	3.10	3.50	2.50	2.49	3.60	5.10	3.30	16.80	17.00	16.43
PZ-11	6.72	6.92	6.87	3.93	4.43	7.30	7.80	6.11	22.20	23.48	22.95
PZ-12	5.91	6.20	6.60	4.52	4.45	6.97	8.32	6.50	20.74	20.92	20.16
X-6	9.22	9.37	9.80	6.65	7.30	10.18	10.92	8.90	23.23	25.69	25.64
NORTHWELL											
PZ-7	9.90	10.20	10.50	7.10	8.70	8.90	9.65	10.00	9.36	9.61	9.82
PZ-9	7.10	7.45	7.60	2.64	5.40	6.10	7.10	6.75	6.84	7.25	7.52
X-2	7.30	7.50	7.65	3.38	3.96	5.72	6.50	6.10	6.49	6.93	7.48
X-3	5.90	6.38	5.48	4.64	4.72	4.21	6.55	3.85	4.72	5.16	5.63
X-4	5.10	5.60	4.80	3.85	4.10	3.34	3.00	2.94	3.53	4.04	4.55

Piezometers	1/29/2015	2/26/2015	3/31/2015	4/9/2015	4/30/2015	6/8/2015	7/6/2015	7/29/2015	8/27/2015	9/23/2015	10/29/2015
PZ-1	21.75	20.78	19.88	19.59	19.94	16.34	23.33	26.28	29.41	27.18	24.45
PZ-2	22.52	21.55	20.55	20.33	19.72	17.11	19.86	27.02	30.18	27.99	25.24
PZ-3	22.50	21.52	20.53	20.31	19.68	17.04	18.80	27.11	30.23	27.95	25.02
PZ-4	22.21	21.23	20.21	20.01	19.38	16.81	17.38	27.28	30.30	27.72	24.93
PZ-5	22.75	21.78	20.77	20.60	19.93	17.33	15.17	29.69	32.75	28.41	25.45
PZ-8	20.43	19.46	18.50	18.31	17.68	15.01	15.70	23.67	27.77	25.66	23.06
PZ-10	15.60	14.78	13.97	13.88	13.22	9.80	9.13	17.90	19.91	19.78	17.73
PZ-11	21.99	20.99	19.95	19.70	19.09	16.45	15.86	23.58	26.90	26.90	24.70
PZ-12	19.40	18.53	17.69	17.56	16.93	14.04	12.77	21.75	24.09	23.83	21.68
X-6	25.32	24.31	23.23	22.90	22.36	19.49	18.67	24.96	28.25	29.60	28.03
NORTHWELL											
PZ-7	9.91	9.97	9.98	10.47	7.71	3.96	7.58	9.70	10.81	10.00	9.47
PZ-9	7.72	7.79	7.86	8.30	6.93	2.00	5.19	7.19	7.29	7.03	6.91
X-2	7.92	8.09	8.12	8.30	7.83	2.00	4.89	6.23	6.36	5.90	6.10
X-3	6.34	6.79	7.15	7.38	6.75	4.30	4.80	4.40	3.71	3.95	4.68
X-4	5.08	5.45	5.90	6.25	5.27	3.24	3.74	3.15	2.16	2.16	3.31

Piezometers	11/30/2015	12/29/2015	1/29/2016	2/25/2016	3/31/2016	4/29/2016	5/27/2016	6/29/2016	7/27/2016	8/25/2016	9/29/2016
PZ-1	23.08	23.99	22.36	21.68	19.92	17.15	5.38	6.43	7.08	7.55	3.92
PZ-2	23.87	22.95	22.13	21.45	20.68	17.86	6.10	7.15	7.81	8.26	4.62
PZ-3	23.85	22.92	22.10	21.42	20.65	17.65	6.02	7.11	7.77	8.22	4.59
PZ-4	23.56	22.67	21.81	21.15	20.38	16.76	5.74	6.80	7.45	7.91	4.24
PZ-5	24.06	23.18	22.34	21.70	20.92	10.71	6.43	7.51	8.15	8.59	5.05
PZ-8	21.68	20.81	20.01	19.32	18.59	16.97	4.22	5.29	5.94	6.35	2.84
PZ-10	16.60	16.04	15.45	14.88	14.28	13.26	2.00	2.81	3.40	3.62	1.60
PZ-11	23.35	23.15	21.46	20.74	19.93	16.59	4.95	6.01	6.68	7.21	3.41
PZ-12	20.45	19.76	19.13	18.58	17.92	17.05	4.85	5.96	6.55	6.86	3.89
X-6	26.74	25.70	24.78	24.01	23.18	21.63	7.86	8.83	9.57	10.14	6.41
NORTHWELL											
PZ-7	9.58	9.96	9.73	9.59	9.15	7.78	7.69	9.17	10.08	10.32	10.02
PZ-9	7.21	7.85	7.86	7.66	7.31	5.94	5.08	6.55	7.22	7.09	6.69
X-2	6.61	7.62	8.04	7.92	7.85	6.81	4.86	5.85	6.42	6.39	3.81
X-3	5.16	5.88	6.93	7.22	7.41	6.12	4.97	4.87	4.54	4.14	4.33
X-4	3.93	4.71	5.36	5.75	5.92	4.85	4.43	4.31	4.94	2.60	3.55

Piezometers	11/1/2016	11/23/2016	12/29/2016	1/26/2017	2/23/2017	3/1/2017	4/27/2017	5/24/2017	7/5/2017	7/21/2017	8/30/2017	9/28/2017
PZ-1	6.61	7.64	7.91	8.01	8.07	8.28	8.43	4.85	5.65	6.11	6.44	6.63
PZ-2	7.33	8.36	8.62	8.74	8.80	9.02	9.17	5.55	6.37	6.83	7.18	7.23
PZ-3	7.28	8.33	8.59	8.71	8.75	8.98	9.13	5.48	6.31	6.78	7.12	7.19
PZ-4	6.99	8.02	8.29	8.40	8.46	8.71	8.84	5.05	5.96	6.36	6.77	6.93
PZ-5	7.68	8.68	8.96	9.06	9.12	9.32	9.49	4.51	6.72	7.19	7.51	7.79
PZ-8	5.46	6.48	6.73	6.86	6.87	7.05	7.23	3.84	4.52	4.97	5.33	5.34
PZ-10	2.72	3.59	4.13	4.25	4.25	4.55	4.61	1.95	2.60	2.80	2.97	2.98
PZ-11	6.25	7.33	7.60	7.71	7.75	7.95	8.12	3.36	5.14	5.63	5.93	5.18
PZ-12	5.91	6.83	7.24	7.35	7.37	7.59	7.72	4.48	5.19	5.65	6.04	6.09
X-6	9.18	10.33	10.63	10.74	10.75	10.94	11.11	7.00	7.94	8.42	8.73	8.62
NORTHWELL												
PZ-7	9.86	9.46	10.19	9.81	9.88	10.14	10.59	7.63	10.06	10.49	10.48	10.06
PZ-9	7.11	7.03	7.84	7.60	7.71	8.04	7.97	5.18	7.08	7.34	7.19	6.97
X-2	6.60	6.93	7.97	7.91	8.05	8.41	7.62	5.09	5.85	6.38	6.16	6.18
X-3	4.55	4.83	5.82	6.44	6.86	7.34	4.97	4.63	4.51	4.28	3.94	4.22
X-4	3.93	4.32	5.18	5.52	5.96	6.55	5.31	4.14	3.98	3.18	3.00	3.06

<i>Piezometers</i>	10/24/2017	11/30/2017	12/28/2017
PZ-1	4.49	6.11	6.36
PZ-2	5.21	6.72	7.08
PZ-3	5.17	6.75	7.06
PZ-4	4.83	6.63	6.74
PZ-5	5.60	7.44	7.41
PZ-8	3.15	4.62	5.19
PZ-10	2.60	3.00	2.62
PZ-11	3.79	5.09	6.01
PZ-12	4.27	4.92	5.68
X-6	6.68	7.98	8.96
<i>NORTHWELL</i>			
PZ-7	10.13	9.79	9.95
PZ-9	6.93	6.98	7.33
X-2	4.38	6.13	7.21
X-3	4.43	4.63	4.78
X-4	3.82	4.19	4.67

Piezometers	1/25/2018	2/22/2018	3/26/2018	4/26/2018	5/31/2018	6/27/2018	7/25/2018	8/24/2018	9/25/2018	10/29/2018	11/29/2018	12/27/2018
PZ-1	6.49	6.68	8.61	15.97	14.41	15.37	17.11	15.21	14.53	10.57	13.55	13.28
PZ-2	7.23	7.41	9.36	16.70	15.17	16.13	17.94	16.01	15.27	11.13	14.29	14.01
PZ-3	7.20	7.40	9.34	16.71	15.12	16.11	17.93	16.00	15.27	10.95	14.28	14.00
PZ-4	6.91	7.06	9.02	16.51	14.85	15.84	17.76	15.76	14.96	10.31	13.57	13.70
PZ-5	7.56	7.73	9.66	17.51	15.42	16.43	17.75	15.38	15.51	11.32	14.59	14.28
PZ-8	5.27	5.51	7.41	14.34	14.21	14.02	15.68	13.87	13.31	10.08	12.28	12.04
PZ-10	2.74	2.90	4.67	10.40	9.62	10.39	16.54	10.18	9.75	8.16	9.01	8.81
PZ-11	6.18	6.37	8.31	14.86	14.21	15.09	16.69	14.95	14.33	10.00	13.25	13.05
PZ-12	5.81	6.00	7.88	14.21	12.97	13.81	15.06	13.57	13.12	11.30	12.33	12.07
X-6	9.16	9.37	11.34	16.51	15.26	17.81	18.89	17.61	17.39	13.42	16.08	16.12
NORTHWELL												
PZ-7	10.02	10.28	10.27	10.53	9.71	10.04	10.48	10.87	10.91	10.47	10.46	10.66
PZ-9	7.51	7.79	7.92	8.21	7.31	7.58	7.28	7.46	7.64	7.45	7.70	8.00
X-2	7.71	8.03	8.18	8.31	6.86	6.16	6.68	6.08	6.34	6.51	7.15	8.03
X-3	5.61	6.45	6.91	5.04	4.84	4.37	4.38	4.18	4.24	4.36	4.68	5.25
X-4	5.09	5.68	6.14	5.49	5.05	4.76	3.52	2.50	2.50	7.36	4.41	4.93

Piezometers	1/31/2019	2/27/2019	3/27/2019	4/25/2019	5/29/2019	6/25/2019	7/25/2019	7/30/2019	8/5/2019	8/7/2019	9/26/2019	10/24/2019	5/15/2020
PZ-1	4.92	6.32	6.35	6.73	6.53	6.85	16.21	18.615	21.272	20.288	14.41	15.31	13.345
PZ-2	5.54	7.02	7.06	7.45	7.29	7.57	15.08	17.788	20.731	20.948	15.16	15.86	13.404
PZ-3	5.38	7	7.05	7.42	7.27	7.55	14.53	17.375	20.429	20.718	15.14	15.57	13.57
PZ-4	4.73	6.67	6.74	7.11	6.96	7.23	13.65	16.722	19.845	20.213	14.88	14.63	13.063
PZ-5	5.16	7.34	7.4	7.77	7.62	7.87	14.63		20.456	20.229	15.21	14.44	15.63
PZ-8	4.79	5.16	5.21	5.57	5.35	5.67	11.92	14.048	16.669	16.512	13.08	14.38	
PZ-10	3.16	2.65	2.77	3.13	2.87	3.15	5.96	7.591	9.773	10.344	9.45	9.67	
PZ-11	5.54	5.98	6.02	6.4	6.22	6.49	9.83			14.842	14.16	15.32	
PZ-12	5.25	5.78	5.74	6.15	5.88	6.18	9.24			14.074	12.81	12.94	
X-6	11.71	8.98	9.01	9.39	9.19	9.41	11	12.329	14.448	15.003	17.05	17.22	
NORTHWELL													
PZ-7	10.57	10.52	10.45	11.12	10.19	8.21	9.78	10.216	10.498	10.59	10.76	10.49	
PZ-9	7.85	7.84	7.91	8.29	6.87	5.64	6.93	7.329	7.552	7.618	7.58	7.51	
X-2	8.25	8.01	7.83	8.21	6.11	5.5	5.76				6.3	6.38	
X-3	6.26	6.63	6.65	4.86	4.49	4.5	4.38			4.101	4.12	4.27	
X-4	5.49	5.91	6.15	5.76	4.69	4.17	3.79		4.297	3.366	3.02	3.49	2.247