

Question 21.

2017 WATER QUALITY DATA

- 2018 DRMS Water Quality Monitoring Plan Evaluation
- Table 1: Groundwater Monitoring Indicator Parameters
- Table 2: Groundwater Additional Baseline Monitoring Parameters
- Table 3: Internal Surface Water Monitoring Indicator Parameters
- Table 4: Internal Surface Water Monitoring Additional Baseline Parameters
- Table 5: River and EPR Surface Water Monitoring Indicator Parameters
- Table 6: River and EPR Surface Water Monitoring Additional Baseline Parameters
- Table 7: Climax Groundwater Indicator Monitoring Parameters compared to NPLs
- Graph 1: GW #2 pH 2018
- Map 5: WQMP Sites Eagle River Watershed
- Map 6: WQMP Sites Tenmile Creek Watershed
- Map 7: WQMP Sites Arkansas River Watershed

Climax Mine Water Quality Monitoring Plan Evaluation - 2018

Sampling Locations

Groundwater Sample Locations: ARwell, ARK-MW-001D, ARK-MW-002S, ARK-MW-002D, EVMW-1S, EVMW-1D, EVMW-2, EVMW-3S, EVMW-3D, EV-MW-004, EVS-1, EVS-2, EVS-3, GW#1, TM-MW-001D, GW#2, TM-MW-002D

Internal Surface Water Sample Locations: CC-SW1, EI-SW1

Surface Water Sample Locations: Arkansas #1, Arkansas #2, AI, BI, EPR Outlet

Duplicate Sample Locations:

- First Quarter: ARwell
- Second Quarter: EVMW-3S
- Third Quarter: ARK-MW-002S
- Fourth Quarter: EVMW-2

During 2018 water quality samples were successfully collected from the above sample locations with the exception of the following:

First Quarter:

- EVS-1, EVS-2, EVS-3, EI-SW1, Arkansas #1, Arkansas #2 – Frozen
- CC-SW1 – Inaccessible

Third Quarter:

- EVS-1 - Dry

Fourth Quarter:

- EVS-1, EVS-2, EVS-3, EI-SW1 - Inaccessible

Changes to Water Quality Monitoring Plan (WQMP):

On May 11, 2018, the Colorado Division of Reclamation, Mining, and Safety (DRMS) approved Technical Revision 27 (TR27) to the Climax Mine Permit M1977-493. TR27 included revision 4 of the Water Quality Monitoring Plan (WQMP) for Climax. Climax conducted monitoring under the previous WQMP in TR18 through the end of the second quarter of 2018 and then followed the revised WQMP for the third and fourth quarters. Key changes to the WQMP include:

- Revisions to the indicator and baseline parameter sampling frequency
 - o Ground and Internal Surface Water (Tenmile Basin) sampled quarterly for respective indicator parameters and every 3 years for baseline parameters
 - o Surface Water in Arkansas and Eagle River Basins and EPR Outlet sampled bi-annually for indicator parameters and every 3 years for baseline parameters

- Consolidation of the “Surface Water” and “Internal Surface Water” parameter lists
- Revisions to the indicator and baseline parameter list
- Implementation of numeric protection limits for indicator parameters at POC wells.

Tabulated monitoring data for 2018 are attached to this report in tables 1 through 7.

- Table 1: Climax Groundwater Indicator Monitoring Parameters
- Table 2: Climax Groundwater Baseline Monitoring Parameters
- Table 3: Climax Internal Surface Water Indicator Monitoring Parameters
- Table 4: Climax Internal Surface Water Baseline Monitoring Parameters
- Table 5: Climax River and EPR Surface Water Indicator Monitoring Parameters
- Table 6: Climax River and EPR Surface Water Baseline Monitoring Parameters
- Table 7: Climax Groundwater Indicator Monitoring Parameters compared to NPLs

The indicator and baseline parameter lists included in the tables reflect the lists specified in TR27 rather than previous annual reports using the list from TR18. The TR18 WQMP specified quarterly collection of baseline and indicator parameters, therefore tables 2, 4, and 6 show data from the first and second quarters only. Baseline parameters will be sampled again in 2021 per the new schedule. An evaluation of 2018 monitoring results are discussed below.

Discussion of Results: POC Wells

As described in the section above, numeric protection limits (NPLs) were implemented at point of compliance (POC) wells in the new WQMP for the indicator parameter list. Section 5.0 of the WQMP discusses the rationale for selection of the NPLs. A comparison of results to applicable NPLs is provided in Table 7. All indicator parameter results were within the applicable NPLs with the exception of pH at monitoring well GW#2 (described below).

GW#2 pH discussion:

On April 16, 2018 the pH at GW#2 was measured at 6.18 (under the lower limit of the NPL range of 6.5 to 8.5). Climax notified DRMS on April 17th per section 5.2.1.1 of the WQMP (both TR27 and TR18 versions have the same language for this section). Climax and DRMS agreed that the site should be monitored on a monthly basis until the pH was measured within the NPL range for three consecutive months. Table 7 and the attached graph have 2018 pH results indicating no consistent trend. As of 12/31/2018 the pH at GW#2 has not been measured within the NPL range for three consecutive months and monthly monitoring is continuing at this location in 2019.

Discussion of Results: Trend Evaluation of Groundwater and Surface Water Data

The 2018 analytical results for all sites were combined with historical data and evaluated for trends. The 2018 evaluation of trends does not indicate any decline in water quality at monitoring locations.

Discussion of Results: Outlier Identification and Data Validation

The 2018 groundwater and surface water data were analyzed for outliers. No outliers or invalid data were observed in 2018 data.

**Table 1: Climax Groundwater
Indicator Monitoring Parameters**

Site Number	Sample Date	Comment	Cadmium, Dissolved (mg/L)	Copper, Dissolved (mg/L)	Iron, Dissolved (mg/L)	Manganese, Dissolved (mg/L)	Molybdenum, Dissolved (mg/L)	Zinc, Dissolved (mg/L)	pH, Field Measurement (S.U.)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)	Fluoride, Dissolved (mg/L)
ARwell	02/26/2018	--	-0.0001	-0.0004	0.08	0.361	0.0127	-0.01	7.93	31.1	174	0.51
	02/26/2018	Duplicate	-0.0001	-0.0004	0.06	0.362	0.0109	-0.01	--	30.9	165	0.52
	06/05/2018	--	-0.0001	0.0006	0.05	0.066	0.0052	-0.01	7.11	19.8	142	0.25
	09/18/2018	--	-0.00005	-0.0008	-0.02	0.085	0.0059	-0.01	7.13	31.5	194	0.46
	12/17/2018	--	-0.00005	-0.0008	-0.02	0.171	0.0058	-0.01	7.42	30.8	182	0.52
ARK-MW-001D	02/26/2018	--	-0.0001	-0.0004	0.1	0.057	0.0298	-0.01	8.22	31.2	193	1.72
	05/14/2018	--	-0.0001	-0.0004	0.11	0.055	0.03	-0.01	7.66	37.3	203	1.83
	09/18/2018	--	-0.00005	-0.0008	0.14	0.132	0.0329	-0.01	7.98	41.2	224	1.79
	12/18/2018	--	-0.00005	-0.0008	0.12	0.029	0.0303	-0.01	7.97	44.5	216	1.9
ARK-MW-002D	03/12/2018	--	-0.0001	-0.0004	-0.02	0.047	0.0237	-0.01	8.74	22.7	249	7.22
	05/14/2018	--	-0.0001	-0.0004	-0.02	0.054	0.0232	0.04	8.3	29.9	283	7.95
	09/17/2018	--	-0.00005	-0.0008	-0.02	0.006	0.0256	-0.01	8.59	15.4	262	7.47
	11/21/2018	--	-0.00005	-0.0008	-0.02	0.037	0.0238	-0.01	8.57	28.7	308	7.72
ARK-MW-002S	03/12/2018	--	-0.0001	0.0005	1.29	3.38	0.0118	0.01	6.53	1.9	601	0.11
	05/14/2018	--	-0.0001	-0.0004	3.17	3.6	0.0143	-0.01	7.24	-1	623	0.12
	09/17/2018	--	0.00006	-0.0008	8.14	4.38	0.0081	-0.01	6.89	-1	680	0.14
	09/17/2018	Duplicate	0.00006	-0.0008	8.16	4.4	0.0079	-0.01	--	-1	672	0.13
	11/21/2018	--	-0.00005	-0.0008	6.08	3.45	0.0071	-0.01	6.75	1.4	680	0.12
EVMW-1D	01/29/2018	--	-0.0001	-0.0004	-0.02	0.155	0.0035	0.02	7.49	379	650	0.15
	04/23/2018	--	-0.0001	-0.0004	0.03	0.126	0.0023	0.04	7.41	406	674	0.15
	08/27/2018	--	-0.0001	0.0006	0.05	0.187	0.003	-0.01	7.68	398	664	0.2
	11/13/2018	--	-0.00005	0.0011	-0.02	0.168	0.0022	-0.01	7.64	382	718	0.15
EVMW-1S	01/29/2018	--	-0.0001	-0.0004	1.08	0.609	0.394	0.02	7.4	468	841	0.15
	04/23/2018	--	-0.0001	-0.0004	1.47	0.74	0.335	0.01	6.8	520	898	0.2
	09/18/2018	--	-0.00005	-0.0008	1.65	0.733	0.424	-0.01	7.2	478	916	0.22
	12/17/2018	--	0.00007	-0.0008	1.88	0.672	0.4	-0.01	7.38	505	958	0.2
EVMW-2	03/12/2018	--	-0.0001	0.0015	-0.02	0.033	0.0025	-0.01	7.31	20	276	-0.05
	06/05/2018	--	-0.0001	0.0016	-0.02	0.016	0.0006	0.01	7.58	16.2	277	-0.05
	08/27/2018	--	-0.0001	0.0022	-0.02	0.021	0.0039	-0.01	7.48	52.9	274	0.06
	11/29/2018	--	-0.00005	0.0014	-0.02	0.051	0.0045	-0.01	7.69	40.4	304	0.11
	11/29/2018	Duplicate	-0.00005	-0.0008	-0.02	0.01	0.0026	-0.01	--	52.3	306	0.15
EVMW-3D	02/12/2018	--	-0.0001	0.0012	-0.02	0.024	0.0011	-0.01	7.66	2.8	233	0.27
	06/11/2018	--	-0.0001	0.0007	-0.02	0.027	0.0009	-0.01	7.74	2.8	235	0.22
	08/22/2018	--	-0.0001	-0.0004	-0.02	0.079	0.0025	-0.01	7.6	4.1	246	0.26
	11/13/2018	--	-0.00005	0.0012	-0.02	0.006	0.0007	-0.01	7.77	3	246	0.3

**Table 1: Climax Groundwater
Indicator Monitoring Parameters**

Site Number	Sample Date	Comment	Cadmium, Dissolved (mg/L)	Copper, Dissolved (mg/L)	Iron, Dissolved (mg/L)	Manganese, Dissolved (mg/L)	Molybdenum, Dissolved (mg/L)	Zinc, Dissolved (mg/L)	pH, Field Measurement (S.U.)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)	Fluoride, Dissolved (mg/L)
EVMW-3S	02/28/2018	--	-0.0001	0.0008	0.03	0.034	0.0039	0.01	6.7	18.8	215	0.08
	06/11/2018	--	-0.0001	-0.0004	-0.02	-0.005	0.0015	-0.01	7.39	6	180	0.05
	06/11/2018	Duplicate	-0.0001	0.001	-0.02	0.01	0.0029	-0.01	--	6.4	180	-0.05
	08/22/2018	--	-0.0001	0.0011	0.03	0.071	0.006	-0.01	7.34	17.8	234	0.07
	12/17/2018	--	-0.00005	-0.0008	-0.02	0.006	0.0012	-0.01	7.17	11	234	0.07
EV-MW-004	03/12/2018	--	-0.0001	-0.0004	-0.02	0.06	0.0033	-0.01	7.08	43.3	281	0.1
	06/18/2018	--	-0.0001	-0.0004	0.02	0.054	0.003	0.01	7.24	47.2	287	0.14
	08/27/2018	--	-0.0001	0.0008	-0.02	0.036	0.0031	0.01	7.38	55.4	286	0.14
	11/28/2018	--	0.00007	0.0034	-0.02	0.011	0.0026	0.03	7.29	51.8	316	0.27
EVS-1	03/19/2018	Frozen	--	--	--	--	--	--	--	--	--	--
	06/11/2018	--	-0.0001	-0.0004	-0.02	-0.005	0.0055	-0.01	8.09	19.9	130	0.23
	08/27/2018	Dry	--	--	--	--	--	--	--	--	--	--
	11/13/2018	Inaccessible	--	--	--	--	--	--	--	--	--	--
EVS-2	03/19/2018	Frozen	--	--	--	--	--	--	--	--	--	--
	06/11/2018	--	-0.0001	-0.0004	-0.02	-0.005	0.0061	-0.01	7.8	11.2	113	0.14
	08/27/2018	--	-0.0001	-0.0004	-0.02	-0.005	0.0087	-0.01	8.27	28.6	174	0.32
	11/13/2018	Inaccessible	--	--	--	--	--	--	--	--	--	--
EVS-3	03/19/2018	Frozen	--	--	--	--	--	--	--	--	--	--
	06/11/2018	--	-0.0001	0.0015	-0.02	-0.005	0.0751	-0.01	7.84	20.9	247	0.44
	08/27/2018	--	-0.0001	0.0007	-0.02	-0.005	0.0065	-0.01	8.08	45.5	210	0.38
	11/13/2018	Inaccessible	--	--	--	--	--	--	--	--	--	--
GW#1	01/24/2018	--	0.0019	0.0011	-0.02	-0.005	0.16	0.37	7.79	192	335	1.1
	04/16/2018	--	0.0013	-0.0004	-0.02	-0.005	0.145	0.35	5.95	189	332	1.02
	07/23/2018	--	0.0016	-0.0004	-0.02	-0.005	0.14	0.37	6.32	194	382	1.05
	11/20/2018	--	0.00193	0.0012	-0.02	-0.005	0.132	0.36	6.2	199	394	1.14
TM-MW-001D	01/24/2018	--	-0.0001	-0.0004	-0.02	-0.005	0.0423	-0.01	8.22	178	313	3.08
	04/16/2018	--	-0.0001	-0.0004	-0.02	-0.005	0.0405	-0.01	7.92	176	322	3.16
	07/23/2018	--	-0.0001	-0.0004	-0.02	-0.005	0.0391	-0.01	8.07	182	346	3.28
	11/20/2018	--	-0.00005	-0.0008	-0.02	-0.005	0.0361	-0.01	8.37	184	354	3.29
GW#2	01/24/2018	--	-0.0001	-0.0004	-0.02	-0.005	0.0011	-0.01	6.91	33.6	98.2	0.08
	04/16/2018	--	-0.0001	-0.0004	-0.02	-0.005	0.0011	-0.01	6.18	35.5	110	0.08
	04/19/2018	--	--	--	--	--	--	--	6.07	--	--	--
	05/09/2018	--	--	--	--	--	--	--	6.24	--	--	--
	06/14/2018	--	--	--	--	--	--	--	6.3	--	--	--
	07/23/2018	--	-0.0001	0.0006	-0.02	-0.005	0.0013	-0.01	7.6	34.5	108	0.08
	08/20/2018	--	--	--	--	--	--	--	6.22	--	--	--
	09/27/2018	--	--	--	--	--	--	--	6.48	--	--	--
	10/18/2018	--	--	--	--	--	--	--	6.96	--	--	--
	11/20/2018	--	-0.00005	-0.0008	-0.02	-0.005	0.001	-0.01	6.48	35.1	138	0.07
TM-MW-002D	12/05/2018	--	--	--	--	--	--	--	6.44	--	--	--
	01/24/2018	--	-0.0001	-0.0004	-0.02	-0.005	0.0086	-0.01	7.94	56.6	158	0.45
	04/16/2018	--	-0.0001	0.0006	-0.02	-0.005	0.0092	0.01	7.81	41.7	142	0.46
	07/23/2018	--	-0.0001	-0.0004	-0.02	-0.005	0.0063	-0.01	8.15	59.6	174	0.44
	11/20/2018	--	-0.00005	-0.0008	-0.02	-0.005	0.0066	-0.01	8.32	55.4	186	0.42

**Table 2: Climax Groundwater
Baseline Monitoring Parameters**

Site Number	Sample Date	Comment	Aluminum, Dissolved (mg/L)	Antimony, Dissolved (mg/L)	Arsenic, Dissolved (mg/L)	Barium, Dissolved (mg/L)	Beryllium, Dissolved (mg/L)	Calcium, Dissolved (mg/L)	Chromium (CrIII + CrVI), Dissolved (mg/L)	Cobalt, Dissolved (mg/L)	Lead, Dissolved (mg/L)
ARwell	02/26/2018	--	-0.03	-0.0004	-0.0002	0.068	-0.00005	33.3	0.0008	0.00145	-0.0001
	02/26/2018	Duplicate	-0.03	-0.0004	-0.0002	0.072	-0.00005	32.9	-0.0005	0.00106	-0.0001
	06/05/2018	--	0.04	-0.0004	-0.0002	0.064	-0.00005	28	0.0009	0.00025	-0.0001
ARK-MW-001D	02/26/2018	--	-0.03	-0.0004	-0.0002	0.024	-0.00005	23.9	-0.0005	0.00014	-0.0001
	05/14/2018	--	-0.03	-0.0004	0.0003	0.021	-0.00005	24.6	-0.0005	-0.00005	-0.0001
ARK-MW-002D	03/12/2018	--	-0.03	-0.0004	0.0015	0.01	-0.00005	3	-0.0005	0.00006	-0.0001
	05/14/2018	--	0.04	-0.0004	0.0018	0.005	-0.00005	3.5	-0.0005	-0.00005	0.0001
ARK-MW-002S	03/12/2018	--	-0.03	-0.0004	0.0011	0.309	-0.00005	163	-0.0005	0.00363	-0.0001
	05/14/2018	--	0.03	-0.0004	0.0015	0.309	-0.00005	169	-0.0005	0.00321	-0.0001
EVMW-1D	01/29/2018	--	-0.03	-0.0004	0.0003	0.038	-0.00005	69.1	-0.0005	0.00071	-0.0001
	04/23/2018	--	-0.03	-0.0004	0.0004	0.034	-0.00005	71.2	-0.0005	0.00167	-0.0001
EVMW-1S	01/29/2018	--	-0.03	-0.0004	-0.0002	0.029	-0.00005	161	-0.0005	0.00155	-0.0001
	04/23/2018	--	-0.03	-0.0004	-0.0002	0.018	-0.00005	164	0.0006	0.00388	-0.0001
EVMW-2	03/12/2018	--	-0.03	-0.0004	-0.0002	0.201	-0.00005	38.3	-0.0005	0.00034	-0.0001
	06/05/2018	--	0.04	-0.0004	-0.0002	0.202	-0.00005	37.1	-0.0005	0.00009	-0.0001
EVMW-3D	02/12/2018	--	-0.03	-0.0004	-0.0002	0.343	-0.00005	10.1	-0.0005	0.00014	-0.0001
	06/11/2018	--	-0.03	-0.0004	-0.0002	0.36	-0.00005	9.9	-0.0005	0.00014	-0.0001
EVMW-3S	02/28/2018	--	-0.03	-0.0004	-0.0002	0.122	-0.00005	42.8	-0.0005	0.00288	-0.0001
	06/11/2018	--	-0.03	-0.0004	-0.0002	0.142	-0.00005	38.5	-0.0005	0.00032	-0.0001
	06/11/2018	Duplicate	-0.03	-0.0004	-0.0002	0.145	-0.00005	36.8	-0.0005	0.0004	-0.0001
EV-MW-004	03/12/2018	--	-0.03	-0.0004	0.0003	0.033	-0.00005	49	-0.0005	0.00076	-0.0001
	06/18/2018	--	-0.03	-0.0004	0.0004	0.032	-0.00005	48.9	-0.0005	0.00071	-0.0001
EVS-1	03/19/2018	Frozen	--	--	--	--	--	--	--	--	--
	06/11/2018	--	-0.03	-0.0004	-0.0002	0.06	-0.00005	29.7	-0.0005	-0.00005	-0.0001
EVS-2	03/19/2018	Frozen	--	--	--	--	--	--	--	--	--
	06/11/2018	--	-0.03	-0.0004	-0.0002	0.058	-0.00005	26.5	-0.0005	-0.00005	-0.0001
EVS-3	03/19/2018	Frozen	--	--	--	--	--	--	--	--	--
	06/11/2018	--	-0.03	-0.0004	-0.0002	0.094	-0.00005	57.8	-0.0005	0.00013	-0.0001
GW#1	01/24/2018	--	0.04	-0.0004	-0.0002	0.028	0.00042	82	-0.0005	0.0003	-0.0001
	04/16/2018	--	-0.03	-0.0004	-0.0002	0.027	0.00038	82.9	-0.0005	0.00044	-0.0001
TM-MW-001D	01/24/2018	--	-0.03	-0.0004	0.001	0.018	-0.00005	23.4	-0.0005	0.0001	-0.0001
	04/16/2018	--	-0.03	0.0006	0.0007	0.017	-0.00005	24.3	-0.0005	0.00013	-0.0001
GW#2	01/24/2018	--	-0.03	-0.0004	-0.0002	0.058	-0.00005	23.1	-0.0005	0.00009	-0.0001
	04/16/2018	--	-0.03	-0.0004	-0.0002	0.051	-0.00005	25.6	-0.0005	0.00014	-0.0001
TM-MW-002D	01/24/2018	--	-0.03	0.0064	0.003	0.026	-0.00005	14.6	-0.0005	0.00007	-0.0001
	04/16/2018	--	-0.03	0.0056	0.0023	0.022	-0.00005	14.7	-0.0005	0.00007	-0.0001

**Table 2: Climax Groundwater
Baseline Monitoring Parameters**

Site Number	Sample Date	Comment	Magnesium, Dissolved (mg/L)	Mercury, Dissolved (mg/L)	Nickel, Dissolved (mg/L)	Potassium, Dissolved (mg/L)	Selenium, Dissolved (mg/L)	Silver, Dissolved (mg/L)	Sodium, Dissolved (mg/L)	Thallium, Dissolved (mg/L)	Vanadium, Dissolved (mg/L)
ARwell	02/26/2018	--	12.7	-0.0002	0.0297	1.2	-0.0001	-0.01	6.6	-0.0001	-0.005
	02/26/2018	Duplicate	12.6	-0.0002	0.0187	1.2	-0.0001	-0.01	6.5	-0.0001	-0.005
	06/05/2018	--	12.2	-0.0002	0.0062	1.2	-0.0001	-0.01	5.4	-0.0001	-0.005
ARK-MW-001D	02/26/2018	--	17.7	-0.0002	-0.0006	1.6	-0.0001	-0.01	24.4	-0.0001	-0.005
	05/14/2018	--	17.9	-0.0002	-0.0006	1.7	-0.0001	-0.01	25	-0.0001	-0.005
ARK-MW-002D	03/12/2018	--	0.7	-0.0002	-0.0006	0.5	0.0004	-0.01	98.5	-0.0001	0.005
	05/14/2018	--	0.8	-0.0002	-0.0006	0.5	0.0004	-0.01	107	-0.0001	-0.005
ARK-MW-002S	03/12/2018	--	26.1	-0.0002	0.0255	3.1	-0.0001	-0.01	29.5	-0.0001	-0.005
	05/14/2018	--	27	-0.0002	0.0345	3.2	0.0001	-0.01	31.3	-0.0001	-0.005
EVMW-1D	01/29/2018	--	27.6	-0.0002	0.0024	1.7	-0.0001	-0.01	93.8	-0.0001	-0.005
	04/23/2018	--	28.2	-0.0002	0.0016	1.6	-0.0001	-0.01	98.6	-0.0001	-0.005
EVMW-1S	01/29/2018	--	56.3	-0.0002	0.0174	2.1	-0.0001	-0.01	22	-0.0001	-0.005
	04/23/2018	--	55.2	-0.0002	0.0159	2.2	-0.0001	-0.01	20.8	-0.0001	-0.005
EVMW-2	03/12/2018	--	45.4	-0.0002	-0.0006	2.6	-0.0001	-0.01	3.6	-0.0001	-0.005
	06/05/2018	--	41.3	-0.0002	-0.0006	2.7	-0.0001	-0.01	3.7	-0.0001	-0.005
EVMW-3D	02/12/2018	--	6.6	-0.0002	-0.0006	2.7	-0.0001	-0.01	75	-0.0001	-0.005
	06/11/2018	--	6.6	-0.0002	-0.0006	2.6	-0.0001	-0.01	75.3	-0.0001	-0.005
EVMW-3S	02/28/2018	--	23.7	-0.0002	0.0136	1.9	0.0005	-0.01	3.6	-0.0001	0.005
	06/11/2018	--	20.4	-0.0002	0.0026	1.7	-0.0001	-0.01	2.5	-0.0001	-0.005
	06/11/2018	Duplicate	19.9	-0.0002	0.0034	1.8	-0.0001	-0.01	2.7	-0.0001	-0.005
EV-MW-004	03/12/2018	--	28.5	-0.0002	0.0017	1.6	-0.0001	-0.01	18.3	-0.0001	-0.005
	06/18/2018	--	28.4	-0.0002	0.0013	1.6	-0.0001	-0.01	18.1	-0.0001	-0.005
EVS-1	03/19/2018	Frozen	--	--	--	--	--	--	--	--	--
	06/11/2018	--	12.2	-0.0002	-0.0006	0.7	-0.0001	-0.01	0.9	-0.0001	-0.005
EVS-2	03/19/2018	Frozen	--	--	--	--	--	--	--	--	--
	06/11/2018	--	10.4	-0.0002	-0.0006	0.6	-0.0001	-0.01	0.9	-0.0001	-0.005
EVS-3	03/19/2018	Frozen	--	--	--	--	--	--	--	--	--
	06/11/2018	--	20.2	-0.0002	0.0007	1.7	-0.0001	-0.01	2.4	-0.0001	-0.005
GW#1	01/24/2018	--	8.8	-0.0002	0.0037	6.1	0.0022	-0.01	7.1	-0.0001	-0.005
	04/16/2018	--	8.7	-0.0002	0.0045	5.8	0.0001	-0.01	7.1	-0.0001	-0.005
TM-MW-001D	01/24/2018	--	1.3	-0.0002	-0.0006	0.7	0.0074	-0.01	76.4	-0.0001	-0.005
	04/16/2018	--	1.2	-0.0002	-0.0006	0.5	0.0007	-0.01	81.6	-0.0001	-0.005
GW#2	01/24/2018	--	4.4	-0.0002	-0.0006	1.4	0.0006	-0.01	4.3	-0.0001	-0.005
	04/16/2018	--	4.6	-0.0002	-0.0006	1.3	0.0001	-0.01	4.4	-0.0001	-0.005
TM-MW-002D	01/24/2018	--	9.8	-0.0002	-0.0006	3	0.0008	-0.01	26.3	-0.0001	-0.005
	04/16/2018	--	9.7	-0.0002	-0.0006	3	-0.0001	-0.01	26.7	-0.0001	-0.005

**Table 2: Climax Groundwater
Baseline Monitoring Parameters**

Site Number	Sample Date	Comment	Bicarbonate (HCO ₃) (mg/L)	Total Alkalinity (mg/L)	Chloride, Dissolved (mg/L)	Cyanide (WAD) (mg/L)	Cyanide, Total (mg/L)	Total Nitrite + Nitrate as N (mg/L)	Total Organic Carbon (TOC) (mg/L)
ARwell	02/26/2018	--	140	140	2.9	-0.003	-0.003	-0.02	-1
	02/26/2018	Duplicate	127	127	2.9	-0.003	-0.003	-0.02	-1
	06/05/2018	--	120	120	1.9	-0.003	-0.003	-0.02	1.5
ARK-MW-001D	02/26/2018	--	143	149	1	-0.003	-0.003	-0.02	-1
	05/14/2018	--	151	153	1.1	-0.003	-0.003	-0.02	-1
ARK-MW-002D	03/12/2018	--	177	188	1.4	-0.003	-0.003	-0.02	-1
	05/14/2018	--	204	215	2.6	-0.003	-0.003	-0.02	10.6
ARK-MW-002S	03/12/2018	--	521	521	54.9	-0.003	-0.003	-0.02	8.6
	05/14/2018	--	539	539	56.7	-0.003	-0.003	-0.02	15
EVMW-1D	01/29/2018	--	121	121	5.1	-0.003	-0.003	-0.02	9.5
	04/23/2018	--	103	103	5.7	-0.003	-0.003	-0.02	-1
EVMW-1S	01/29/2018	--	207	207	3.6	-0.003	-0.003	-0.02	24.2
	04/23/2018	--	210	210	5	-0.003	-0.003	-0.02	-1
EVMW-2	03/12/2018	--	263	271	0.7	-0.003	-0.003	-0.02	-1
	06/05/2018	--	275	288	0.8	-0.003	-0.003	-0.02	-1
EVMW-3D	02/12/2018	--	203	212	5.8	-0.003	-0.003	0.02	1.9
	06/11/2018	--	208	216	5.9	-0.003	-0.003	0.02	-1
EVMW-3S	02/28/2018	--	203	203	-0.5	-0.003	-0.003	-0.02	-1
	06/11/2018	--	181	181	-0.5	-0.003	-0.003	-0.02	2.2
	06/11/2018	Duplicate	184	184	-0.5	-0.003	-0.003	-0.02	1.7
EV-MW-004	03/12/2018	--	228	229	1.3	-0.003	-0.003	-0.02	-1
	06/18/2018	--	231	231	1.6	-0.003	-0.003	-0.02	3.1
EVS-1	03/19/2018	Frozen	--	--	--	--	--	--	--
	06/11/2018	--	108	110	0.8	-0.003	-0.003	-0.02	2.2
EVS-2	03/19/2018	Frozen	--	--	--	--	--	--	--
	06/11/2018	--	102	102	0.7	-0.003	-0.003	-0.02	-1
EVS-3	03/19/2018	Frozen	--	--	--	--	--	--	--
	06/11/2018	--	211	220	9.6	-0.003	-0.003	-0.02	4
GW#1	01/24/2018	--	41.4	41.4	12.3	-0.003	-0.003	0.17	7.8
	04/16/2018	--	39.9	39.9	12.4	-0.003	-0.2	0.19	10.2
TM-MW-001D	01/24/2018	--	47	47.3	1.5	-0.003	-0.003	-0.02	9.5
	04/16/2018	--	56.2	56.2	1	-0.003	-0.2	-0.02	5.8
GW#2	01/24/2018	--	48.3	48.3	1.9	-0.003	-0.003	0.51	6.4
	04/16/2018	--	59.2	59.2	2.6	-0.003	-0.2	0.5	9.6
TM-MW-002D	01/24/2018	--	76.6	77.2	0.6	-0.003	-0.003	-0.02	7.2
	04/16/2018	--	73.9	75.1	0.7	-0.003	-0.2	0.03	10.1

**Table 3: Climax Internal Surface Water
Indicator Monitoring Parameters**

Site Number	Sample Date	Comment	Cadmium, Dissolved (mg/L)	Copper, Dissolved (mg/L)	Iron, Dissolved (mg/L)	Iron, Total Recoverable (mg/L)	Manganese, Dissolved (mg/L)	Molybdenum, Dissolved (mg/L)
CC-SW1	03/19/2018	Inaccessible	--	--	--	--	--	--
	06/18/2018	--	-0.0001	0.0007	0.03	***	0.01	0.0012
	08/20/2018	--	-0.0001	-0.0004	0.03	0.04	-0.005	0.002
	10/24/2018	--	0.00008	-0.0008	-0.02	0.97	-0.005	0.0018
EI-SW1	03/26/2018	Frozen	--	--	--	--	--	--
	06/18/2018	--	-0.0001	-0.0004	-0.02	***	0.005	0.0014
	08/20/2018	--	-0.0001	-0.0004	-0.02	-0.02	-0.005	0.0013
	10/24/2018	Inaccessible	--	--	--	--	--	--

Site Number	Sample Date	Comment	Molybdenum, Total Recoverable (mg/L)	Zinc, Dissolved (mg/L)	pH, Field Measurement (Standard Units)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)	Hardness (mg/L)
CC-SW1	03/19/2018	Inaccessible	--	--	--	--	--	--
	06/18/2018	--	***	0.02	7.96	11.4	32	31
	08/20/2018	--	0.0022	0.01	8.24	27.9	68	57
	10/24/2018	--	0.0107	0.01	7.58	38.1	98	63
EI-SW1	03/26/2018	Frozen	--	--	--	--	--	--
	06/18/2018	--	***	-0.01	7.67	5.6	116	114
	08/20/2018	--	0.0014	-0.01	7.84	6	178	166
	10/24/2018	Inaccessible	--	--	--	--	--	--

Note: Negative values indicate a non-detect result; the absolute value is the Method Detection Limit

***: Parameters not included in the TR-18 list but included in the TR-27 list.

**Table 4: Climax Internal Surface Water
Baseline Monitoring Parameters**

Site Number	Sample Date	Comment	Aluminum, Dissolved (mg/L)	Antimony, Dissolved (mg/L)	Arsenic, Dissolved (mg/L)	Arsenic, Total Recoverable (mg/L)	Barium, Dissolved (mg/L)	Beryllium, Dissolved (mg/L)	Calcium, Dissolved (mg/L)	Chromium (CrIII + CrVI), Dissolved (mg/L)
CC-SW1	03/19/2018	Inaccessible	--	--	--	--	--	--	--	--
	06/18/2018	--	0.04	-0.0004	-0.0002	***	0.018	-0.00005	9.6	-0.0005
EI-SW1	03/26/2018	Frozen	--	--	--	--	--	--	--	--
	06/18/2018	--	0.04	-0.0004	-0.0002	***	0.175	-0.00005	37	-0.0005

Site Number	Sample Date	Comment	Cobalt, Dissolved (mg/L)	Lead, Dissolved (mg/L)	Magnesium, Dissolved (mg/L)	Mercury, Total (mg/L)	Nickel, Dissolved (mg/L)	Potassium, Dissolved (mg/L)	Selenium, Dissolved (mg/L)	Silver, Dissolved (mg/L)
CC-SW1	03/19/2018	Inaccessible	--	--	--	--	--	--	--	--
	06/18/2018	--	-0.00005	-0.0001	1.6	-0.0002	-0.0006	0.5	-0.001	-0.01
EI-SW1	03/26/2018	Frozen	--	--	--	--	--	--	--	--
	06/18/2018	--	0.00008	-0.0001	5.3	-0.0002	-0.0006	0.5	-0.001	-0.01

Site Number	Sample Date	Comment	Sodium, Dissolved (mg/L)	Thallium, Dissolved (mg/L)	Vanadium, Dissolved (mg/L)	Nitrogen, Ammonia, Total (mg/L)	Alkalinity, Bicarbonate (mg/L)	Alkalinity, Total (mg/L)	Chloride, Dissolved (mg/L)	Cyanide, WAD (mg/L)
CC-SW1	03/19/2018	Inaccessible	--	--	--	--	--	--	--	--
	06/18/2018	--	0.7	-0.0001	-0.005	-0.05	20.3	20.3	-0.5	-0.003
EI-SW1	03/26/2018	Frozen	--	--	--	--	--	--	--	--
	06/18/2018	--	1.2	-0.0001	-0.005	-0.05	113	113	0.6	-0.003

Site Number	Sample Date	Comment	Cyanide, Total (mg/L)	Fluoride, Dissolved (mg/L)	Total Nitrate + Nitrite as N (mg/L)	Total Organic Carbon (mg/L)
CC-SW1	03/19/2018	Inaccessible	--	--	--	--
	06/18/2018	--	-0.003	0.36	0.11	2
EI-SW1	03/26/2018	Frozen	--	--	--	--
	06/18/2018	--	-0.003	0.09	0.06	1.4

Note: Negative values indicate a non-detect result; the absolute value is the Method Detection Limit
***: Parameters not included in the TR-18 list but included in the TR-27 list.

**Table 5: Climax River and EPR Surface Water
Indicator Monitoring Parameters**

Site Number	Sample Date	Comment	Cadmium, Dissolved (mg/L)	Copper, Dissolved (mg/L)	Iron, Dissolved (mg/L)	Iron, Total Recoverable (mg/L)	Manganese, Dissolved (mg/L)	Molybdenum, Dissolved (mg/L)
Arkansas #1	03/15/2018	Frozen	--	--	--	--	--	--
	06/18/2018	--	-0.0001	0.0008	0.04	0.09	0.012	0.0013
	09/10/2018	--	-0.0001	-0.0004	0.08	0.1	0.012	0.0019
Arkansas #2	03/15/2018	Frozen	--	--	--	--	--	--
	06/18/2018	--	-0.0001	0.0007	0.05	0.08	0.021	0.0029
	09/10/2018	--	-0.0001	0.0004	0.07	0.1	0.049	0.0075
AI	02/12/2018	--	-0.0001	-0.0004	-0.02	-0.02	-0.005	0.0006
	06/11/2018	--	-0.0001	-0.0004	0.04	0.07	-0.005	0.0006
	09/10/2018	--	-0.0001	-0.0004	-0.02	-0.02	-0.005	-0.0005
BI	02/12/2018	--	-0.0001	-0.0004	-0.02	0.02	-0.005	0.0318
	06/11/2018	--	-0.0001	-0.0004	0.04	0.08	-0.005	0.0012
	09/10/2018	--	-0.0001	0.0006	-0.02	0.07	-0.005	0.0218
EPR Outlet	02/12/2018	--	-0.0001	0.0005	-0.02	-0.02	-0.005	0.0361
	09/10/2018	--	-0.0001	0.0005	-0.02	0.02	-0.005	0.0231

Site Number	Sample Date	Comment	Molybdenum, Total Recoverable (mg/L)	Zinc, Dissolved (mg/L)	pH, Field Measurement (Standard Units)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)	Hardness (mg/L)
Arkansas #1	03/15/2018	Frozen	--	--	--	--	--	--
	06/18/2018	--	***	0.01	7.02	5.7	24	19
	09/10/2018	--	0.0019	-0.01	7.33	23.7	140	65
Arkansas #2	03/15/2018	Frozen	--	--	--	--	--	--
	06/18/2018	--	***	0.01	7.58	6.2	36	25
	09/10/2018	--	0.0081	-0.01	8.2	-1	76	58
AI	02/12/2018	--	***	0.01	7.92	9.5	100	83
	06/11/2018	--	***	-0.01	7.47	-1	258	43
	09/10/2018	--	-0.0005	-0.01	7.68	1.1	92	74
BI	02/12/2018	--	***	-0.01	7.94	24.9	132	107
	06/11/2018	--	***	-0.01	7.64	-1	64	46
	09/10/2018	--	0.0221	-0.01	8.07	-1	108	89
EPR Outlet	02/12/2018	--	***	-0.01	8.08	27.3	138	109
	09/10/2018	--	0.0235	-0.01	8.01	-1	116	88

Note: Negative values indicate a non-detect result; the absolute value is the Method Detection Limit

***: Parameters not included in the TR-18 list but included in the TR-27 list.

**Table 6: Climax River and EPR Surface Water
Baseline Monitoring Parameters**

Site Number	Sample Date	Comment	Aluminum, Dissolved (mg/L)	Antimony, Dissolved (mg/L)	Arsenic, Dissolved (mg/L)	Arsenic, Total Recoverable (mg/L)	Barium, Dissolved (mg/L)	Beryllium, Dissolved (mg/L)	Calcium, Dissolved (mg/L)	Chromium (Cr III + Cr VI), Dissolved (mg/L)	Cobalt, Dissolved (mg/L)
Arkansas #1	03/15/2018	Frozen	--	--	--	--	--	--	--	--	--
	06/18/2018	--	0.05	-0.0004	-0.0002	-0.0002	0.014	-0.00005	5.4	-0.0005	-0.00005
Arkansas #2	03/15/2018	Frozen	--	--	--	--	--	--	--	--	--
	06/18/2018	--	0.05	-0.0004	-0.0002	-0.0002	0.017	-0.00005	7.2	-0.0005	-0.00005
AI	02/12/2018	--	-0.03	-0.0004	-0.0002	-0.0002	0.069	-0.00005	17.7	-0.0005	-0.00005
	06/11/2018	--	-0.03	-0.0004	-0.0002	-0.0002	0.046	-0.00005	9.3	-0.0005	0.00005
BI	02/12/2018	--	-0.03	-0.0004	-0.0002	-0.0002	0.049	-0.00005	24.7	-0.0005	-0.00005
	06/11/2018	--	-0.03	-0.0004	-0.0002	-0.0002	0.046	-0.00005	10.1	-0.0005	0.00005
EPR Outlet	02/12/2018	--	-0.03	-0.0004	-0.0002	-0.0002	0.046	-0.00005	25.5	-0.0005	-0.00005

Site Number	Sample Date	Comment	Lead, Dissolved (mg/L)	Magnesium, Dissolved (mg/L)	Mercury, Total (mg/L)	Nickel, Dissolved (mg/L)	Potassium, Dissolved (mg/L)	Selenium, Dissolved (mg/L)	Silver, Dissolved (mg/L)	Sodium, Dissolved (mg/L)	Thallium, Dissolved (mg/L)
Arkansas #1	03/22/2017	Frozen	--	--	--	--	--	--	--	--	--
	06/26/2017	--	-0.0001	1.4	-0.0002	-0.0006	0.3	-0.001	-0.01	0.5	-0.0001
Arkansas #2	03/20/2017	Frozen	--	--	--	--	--	--	--	--	--
	06/26/2017	--	0.0001	1.7	-0.0002	-0.0006	0.4	-0.001	-0.01	1	-0.0001
AI	03/13/2017	--	-0.0001	9.4	-0.0002	-0.0006	0.7	-0.001	-0.01	1	-0.0001
	06/20/2017	--	-0.0001	4.8	-0.0002	-0.0006	0.5	-0.001	-0.01	0.7	-0.0001
BI	03/13/2017	--	-0.0001	11	-0.0002	-0.0006	1	-0.001	-0.01	1.1	-0.0001
	06/20/2017	--	-0.0001	5.1	-0.0002	-0.0006	0.5	-0.001	-0.01	0.7	-0.0001
EPR Outlet	03/20/2017	--	-0.0001	11.1	-0.0002	-0.0006	1.1	-0.001	-0.01	1.1	-0.0001

**Table 6: Climax River and EPR Surface Water
Baseline Monitoring Parameters**

Site Number	Sample Date	Comment	Vanadium, Dissolved (mg/L)	Ammonia (NH3) as N, (mg/L)	Bicarbonate (HCO3) (mg/L)	Total Alkalinity (mg/L)	Chloride, Dissolved (mg/L)	Cyanide, WAD (mg/L)	Cyanide, Total (mg/L)	Fluoride, Dissolved (mg/L)	Total Nitrite + Nitrate as N (mg/L)	Total Organic Carbon (mg/L)
Arkansas #1	03/22/2017	Frozen	--	--	--	--	--	--	--	--	--	--
	06/26/2017	--	-0.005	-0.05	14.6	14.6	-0.5	-0.003	-0.003	0.18	0.16	1.5
Arkansas #2	03/20/2017	Frozen	--	--	--	--	--	--	--	--	--	--
	06/26/2017	--	-0.005	-0.05	20.9	20.9	1.3	-0.003	-0.003	0.22	0.08	1.8
AI	03/13/2017	--	-0.005	-0.05	91.4	91.4	0.7	-0.003	-0.003	0.09	0.12	1.3
	06/20/2017	--	-0.005	-0.05	41.9	41.9	0.5	-0.003	-0.003	0.05	-0.02	4.2
BI	03/13/2017	--	-0.005	-0.05	82.9	84.3	0.8	-0.003	-0.003	0.29	0.06	2.3
	06/20/2017	--	-0.005	-0.05	43.8	43.8	0.5	-0.003	-0.003	-0.05	-0.02	3.8
EPR Outlet	03/20/2017	--	-0.005	-0.05	85.1	85.4	0.7	-0.003	-0.003	0.32	0.05	2.9

**Table 7: Climax Groundwater
Indicator Monitoring Parameters compared to NPLs**

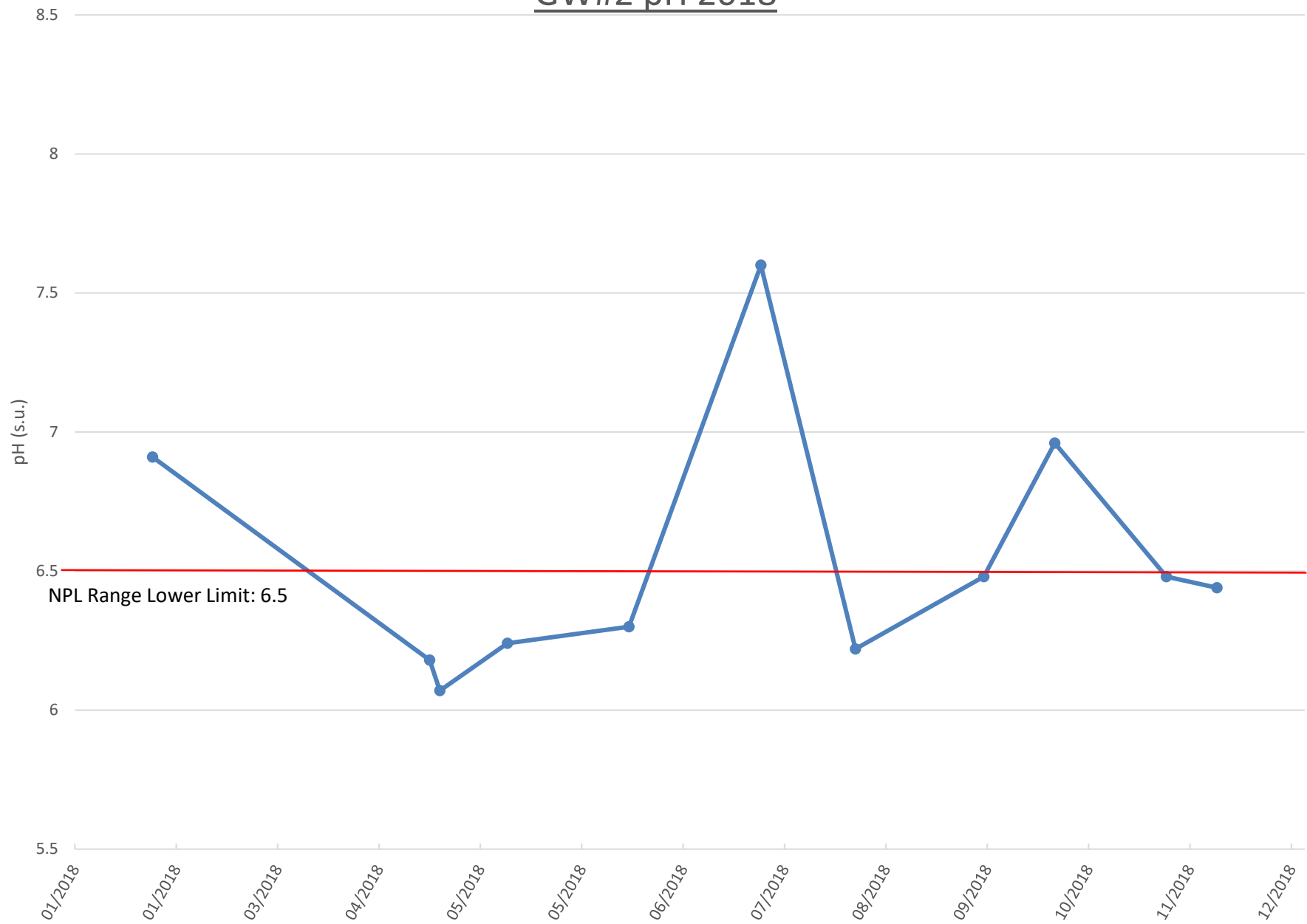
Site Number	Sample Date	Comment	Cadmium, Dissolved (mg/L)	Copper, Dissolved (mg/L)	Iron, Dissolved (mg/L)	Manganese, Dissolved (mg/L)	Molybdenum, Dissolved (mg/L)	Zinc, Dissolved (mg/L)	pH, Field Measurement (S.U.)	Sulfate (mg/L)	Total Dissolved Solids (mg/L)	Fluoride, Dissolved (mg/L)
ARwell	02/26/2018	--	-0.0001	-0.0004	0.08	0.361	0.0127	-0.01	7.93	31.1	174	0.51
	02/26/2018	Duplicate	-0.0001	-0.0004	0.06	0.362	0.0109	-0.01	--	30.9	165	0.52
	06/05/2018	--	-0.0001	0.0006	0.05	0.066	0.0052	-0.01	7.11	19.8	142	0.25
	09/18/2018	--	-0.00005	-0.0008	-0.02	0.085	0.0059	-0.01	7.13	31.5	194	0.46
	12/17/2018	--	-0.00005	-0.0008	-0.02	0.171	0.0058	-0.01	7.42	30.8	182	0.52
ARK-MW-001D	02/26/2018	--	-0.0001	-0.0004	0.1	0.057	0.0298	-0.01	8.22	31.2	193	1.72
	05/14/2018	--	-0.0001	-0.0004	0.11	0.055	0.03	-0.01	7.66	37.3	203	1.83
	09/18/2018	--	-0.00005	-0.0008	0.14	0.132	0.0329	-0.01	7.98	41.2	224	1.79
	12/18/2018	--	-0.00005	-0.0008	0.12	0.029	0.0303	-0.01	7.97	44.5	216	1.9
Arkansas River Basin NPL*	--	--	0.005	0.2	0.3	TBD**	0.21	2.0	6.5 - 8.5	250	400	2.0
EVMW-3D	02/12/2018	--	-0.0001	0.0012	-0.02	0.024	0.0011	-0.01	7.66	2.8	233	--
	06/11/2018	--	-0.0001	0.0007	-0.02	0.027	0.0009	-0.01	7.74	2.8	235	--
	08/22/2018	--	-0.0001	-0.0004	-0.02	0.079	0.0025	-0.01	7.6	4.1	246	--
	11/13/2018	--	-0.00005	0.0012	-0.02	0.006	0.0007	-0.01	7.77	3	246	--
EVMW-3S	02/28/2018	--	-0.0001	0.0008	0.03	0.034	0.0039	0.01	6.7	18.8	215	--
	06/11/2018	--	-0.0001	-0.0004	-0.02	-0.005	0.0015	-0.01	7.39	6	180	--
	06/11/2018	Duplicate	-0.0001	0.001	-0.02	0.01	0.0029	-0.01	--	6.4	180	--
	08/22/2018	--	-0.0001	0.0011	0.03	0.071	0.006	-0.01	7.34	17.8	234	--
	12/17/2018	--	-0.00005	-0.0008	-0.02	0.006	0.0012	-0.01	7.17	11	234	--
EV-MW-004	03/12/2018	--	-0.0001	-0.0004	-0.02	0.06	0.0033	-0.01	7.08	43.3	281	--
	06/18/2018	--	-0.0001	-0.0004	0.02	0.054	0.003	0.01	7.24	47.2	287	--
	08/27/2018	--	-0.0001	0.0008	-0.02	0.036	0.0031	0.01	7.38	55.4	286	--
	11/28/2018	--	0.00007	0.0034	-0.02	0.011	0.0026	0.03	7.29	51.8	316	--
Eagle River Basin NPL*	--	--	0.005	0.2	0.3	TBD**	0.21	2.0	6.5 - 8.5	250	400	N/A
GW#2	01/24/2018	--	-0.0001	-0.0004	-0.02	-0.005	0.0011	-0.01	6.91	33.6	98.2	--
	04/16/2018	--	-0.0001	-0.0004	-0.02	-0.005	0.0011	-0.01	6.18	35.5	110	--
	04/19/2018	--	--	--	--	--	--	--	6.07	--	--	--
	05/09/2018	--	--	--	--	--	--	--	6.24	--	--	--
	06/14/2018	--	--	--	--	--	--	--	6.3	--	--	--
	07/23/2018	--	-0.0001	0.0006	-0.02	-0.005	0.0013	-0.01	7.6	34.5	108	--
	08/20/2018	--	--	--	--	--	--	--	6.22	--	--	--
	09/27/2018	--	--	--	--	--	--	--	6.48	--	--	--
	10/18/2018	--	--	--	--	--	--	--	6.96	--	--	--
	11/20/2018	--	-0.00005	-0.0008	-0.02	-0.005	0.001	-0.01	6.48	35.1	138	--
	12/05/2018	--	--	--	--	--	--	--	6.44	--	--	--
TM-MW-002D	01/24/2018	--	-0.0001	-0.0004	-0.02	-0.005	0.0086	-0.01	7.94	56.6	158	--
	04/16/2018	--	-0.0001	0.0006	-0.02	-0.005	0.0092	0.01	7.81	41.7	142	--
	07/23/2018	--	-0.0001	-0.0004	-0.02	-0.005	0.0063	-0.01	8.15	59.6	174	--
	11/20/2018	--	-0.00005	-0.0008	-0.02	-0.005	0.0066	-0.01	8.32	55.4	186	--
Tenmile Creek Basin NPL*	--	--	0.005	0.2	0.3	0.05	0.21	2.0	6.5 - 8.5	250	400	N/A

Notes: Negative values indicate a non-detect result; the absolute value is the Method Detection Limit

*: NPLs are referenced from section 5.1 of the WQMP, revision 4. NPLs within this section are listed by each POC well, but the NPLs are the same for each well in each basin

**: NPLs for manganese will be established following the WQCC process as described in section 5.1 of the WQMP

GW#2 pH 2018





REVISIONS				SCALE:		SHEET SIZE		DIVISION: ENVIRONMENTAL DEPT.		
REV No		BY	DATE	1:13,655	ANSI B			AREA:		
A	MODIFIED LAYOUT	JD	1/23/18	ENG'D BY:	DATE:	Climax Molybdenum A Freeport-McMoRan Company		TITLE:		DWG. NO.
1				DWN BY: JD	DATE: 1/23/18			2018 ANNUAL REPORT		
2				CHKD BY: JH	DATE: 2/8/18			MAP 5 - WQMP SITES		REVISION:
3				APVD BY: JH	DATE: 2/8/18			EAGLE RIVER WATERSHED		SHT. OF



REVISIONS				SCALE:		SHEET SIZE		DIVISION: ENVIRONMENTAL DEPT.		
REV No		BY	DATE	1:30,000	ANSI B			AREA:		
A	MODIFIED LAYOUT	JD	1/23/18	ENG'D BY:	DATE:	CLIMAX OPERATIONS  Climax Molybdenum A Freeport-McMoRan Company		2018 ANNUAL REPORT MAP 6 - WQMP SITES TENMILE CREEK WATERSHED		DWG. NO.
1				DWN BY: JD	DATE: 1/23/18					REVISION:
2				CHKD BY: JH	DATE: 2/8/18					SHT.
3				APVD BY: JH	DATE: 2/8/18					OF



REVISIONS				SCALE:	SHEET SIZE	DIVISION: ENVIRONMENTAL DEPT.		
REV No		BY	DATE	1:20,000	ANSI B	AREA:		
A	MODIFIED LAYOUT	JD	1/23/18	ENG'D BY:	DATE:	TITLE:	2018 ANNUAL REPORT	DWG. NO.
1				DWN BY: JD	DATE: 1/23/18	MAP 7 - WQMP SITES ARKANSAS RIVER WATERSHED		
2				CHKD BY: JH	DATE: 2/8/18			
3				APVD BY: JH	DATE: 2/8/18			
						REVISION: OF		

CLIMAX OPERATIONS

Climax Molybdenum

A Freeport-McMoRan Company