Cottonwood CONSULTING

P.O. Box 1653
Durango, Colorado 81302
(208) 610-6012
www.cottonwoodconsulting.com

June 24, 2020

Steve Moskal
BP America Production Company
1199 Main Ave Suite 101
Durango, CO 81301

RE: Leroy McCaw B#1
June 2020 Monitoring

Dear Mr. Moskal,

Cottonwood Consulting LLC (Cottonwood) is pleased to provide you with the results of the monitoring conducted on June 9, 2020 at the Leroy McCaw B#1 produced water release site (API#: 05-067-07009; release #: 325804). Details regarding the monitoring and results are summarized below.

Background

A release occurred from a BP America Production Company (BP) water gathering system near the Leroy McCaw B#1 in April 2019. Approximately 8.6 barrels of produced water were released and flowed through a neighboring pasture/field and into a nearby wetland tributary to Salt Creek. Initial soil sampling, water sampling, and field measurements conducted on April 2, 2019 indicated that SAR (sodium adsorption ratio) was elevated above the Colorado Oil & Gas Conservation Commission (COGCC) standard in soil samples collected from the point of release and wetland area immediately downstream from the point of release. Boron was also elevated above the COGCC standard in some samples. Total dissolved solids (TDS) and conductivity were elevated in some of the initial water samples collected adjacent to the release area; however, there is no COGCC standard for surface water. No hydrocarbons were detected in any of the samples. BP received approval to perform quarterly vegetation monitoring, soil sampling, and water sampling to monitor conditions within the flow path. Cottonwood was retained to conduct the quarterly monitoring starting in May 2019.

Methodology

Vegetation monitoring was conducted at three established transects located within the release area. A map of the project site with transect locations, soil sample locations, and water sample locations can be found in Figure 1 and specific methodology used by Cottonwood to conduct the vegetation monitoring can be found in Attachment 1.

At the two soil sample locations (SS13 and SS14), a decontaminated stainless steel shovel was used to transfer soil into a stainless steel bowl. The soil was mixed thoroughly in the bowl to create a homogeneous sample. Soil was transferred into one gallon plastic bags, placed in a cooler with ice, and submitted to Green Analytical Laboratories (GAL) for analysis of COGCC Table 910-1 inorganics. Observations regarding the physical characteristics of the soil and sample location were recorded in a field notebook. Cottonwood also collected photographs of the sample locations. Photographs of the soil sample locations and a results table summarizing all soil samples collected at the site can be found in Attachment 2.

Cottonwood also collected one water sample (WS06) within the wet area adjacent to the point of release. At the sample location, water was transferred into a laboratory-provided sample bottle using a decontaminated beaker. The sample bottle was immediately placed in a cooler with ice and submitted to GAL for analysis of various water quality parameters, including, but not limited to, conductivity, pH, and TDS. Observations regarding the physical characteristics of the water and sample location were recorded in a field notebook. Cottonwood also collected photographs of the sample location. Photographs of the sample location and a results table summarizing all water samples collected at the site can be found in Attachment 3. Analytical lab data for both soil and water sampling can be found in Attachment 4.

Results

Results from the vegetation monitoring are summarized in the vegetation monitoring report (Attachment 1). In general, vegetation was consistent with seasonal and surrounding conditions. Transect 1 had been influenced by recent grading activities.

Results indicate that all parameters were in compliance with COGCC standards for both soil samples, with the exception of arsenic which had been elevated in all samples collected for the project, including the background sample.

Conductivity and TDS in WS06 were not elevated during the June 2020 monitoring event.

Conclusion

Based on vegetation monitoring conducted on June 9, 2020, the vegetation within the flow path on the Leroy McCaw B#1 site is consistent with seasonal and surrounding conditions. New seasonal growth was observed along the transects and in surrounding areas.

Soil samples continue to be in compliance with COGCC standards, with the exception of arsenic concentrations which are naturally elevated in the area. SAR, which has historically been elevated in the soil samples near the point of release, has been below the COGCC standards at the point of release during the past two quarterly monitoring events. Additionally, soil samples collected in the wetland area immediately downstream of the point of release have been in compliance with COGCC standards during the past four quarterly monitoring events. The water sample collected

from the wetland area appeared to be consistent with irrigation/surface water based on the general water chemistry.

Based on the laboratory analytical and vegetation monitoring results, it appears that the produced water release is not resulting in ongoing impacts to the surrounding vegetation and/or wetlands in the area. Therefore, Cottonwood recommends closure for the Leroy McCaw B#1 project.

Should you have any questions, please do not hesitate to contact me at 208-610-6012. Cottonwood appreciates the opportunity to provide services to BP.

Sincerely,

Emma Millar, Biologist
Cottonwood Consulting LLC

Attachments: Figure 1 – Project Area
Attachment 1 – Vegetation Monitoring Report
Attachment 2 – Soil Sampling Photo Log and Table
Attachment 3 – Water Sampling Photo Log and Table
Attachment 4 – Analytical Lab Results

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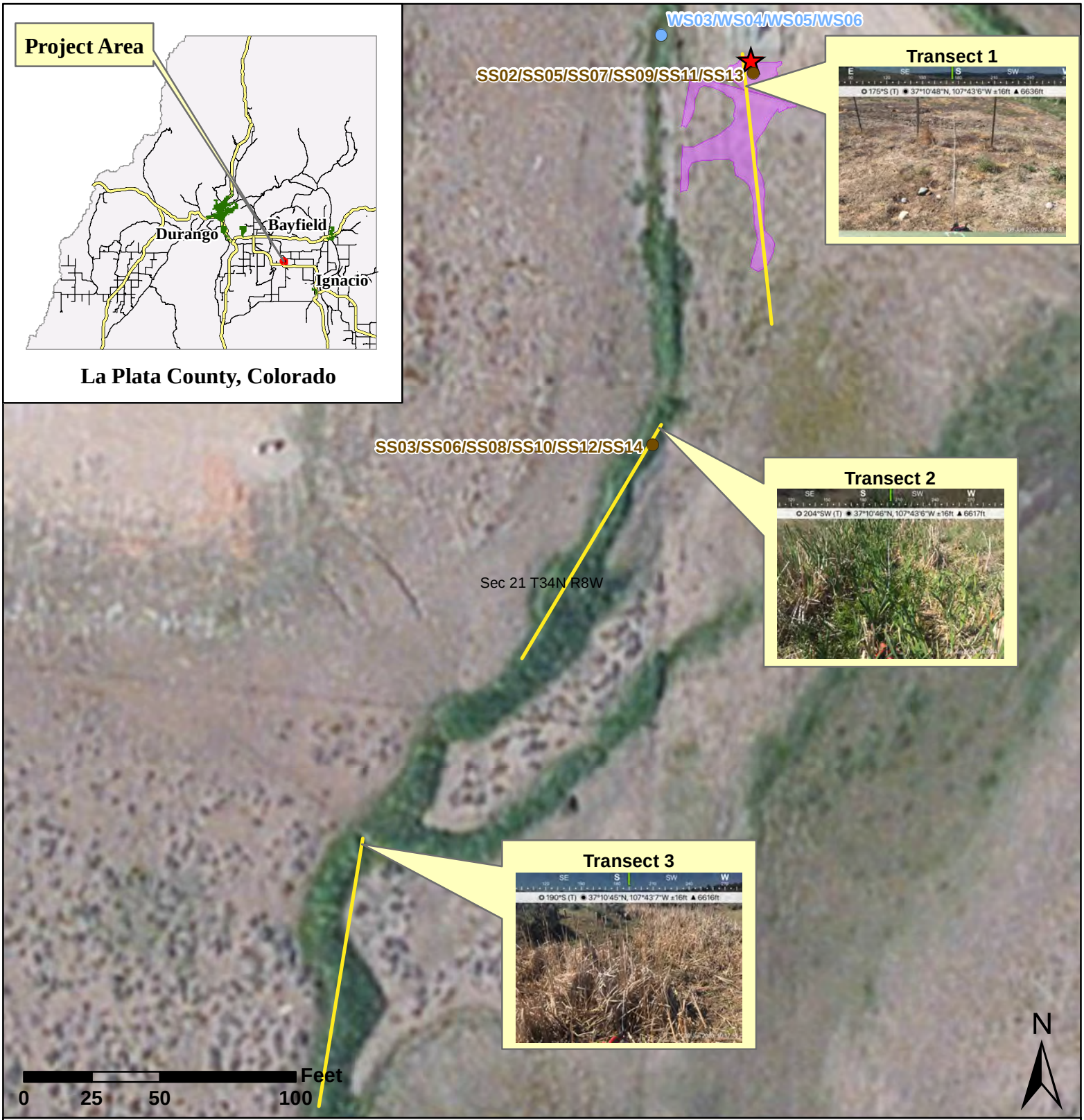
FIGURE 1



SS01, SS02, SS03, and SS04 collected 4/2/19. WS03, SS05, and SS06 collected 5/3/19. WS04, SS07, and SS08 collected 8/1/19. SS09 and SS10 collected 11/8/19. WS05, SS11, and SS12 collected 3/17/20. WS06, SS13, and SS14 collected 6/9/2020.

Legend

- Point of Release
- Vegetation Transects
- Water Sample Location
- Soil Sample Location
- Wet Area (4/2/2019)

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Mapping by: E. Millar, 6/12/2020
Coordinate System:
NAD 1983 UTM Zone 13 N

Location: SWNE Sec 21 T34N R8W, NMPM

Figure 1
Leroy McCaw B #1
June 2020 Monitoring
BP America
Production Company

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ATTACHMENT 1

Cottonwood CONSULTING

P.O. Box 1653
Durango, Colorado 81302
(208) 610-6012
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VEGETATION MONITORING
BP AMERICA PRODUCTION CO

Monitoring Site: **Leroy McCaw B#1 Release**
Lat 37.179638 Long -107.719044
SWNE Sec 21 T34N R8W, NMPM, La Plata County, Colorado
Release Number: 325804

Vegetation monitoring was conducted on June 9, 2020 at the Leroy McCaw B#1 Release site.

Cottonwood staff biologists surveyed three 100-foot transects to assess species presence and general plant vigor. Dominant species in the plant community at this site include cattail (*Typha latifolia*) as well as pinyon pine (*Pinus edulis*), Utah juniper (*Juniperus osteosperma*), big sagebrush (*Artemisia tridentata*), and western wheatgrass (*Pascopyrum smithii*) in adjacent areas. Transect locations, vigor, and species observed are provided in Table 1 and photographs of site location and transects are provided in the Photo Log.

Table 1. June 2020 Vegetation Monitoring Results

Transect	Azimuth	Vigor	Species Observed
1 37.179990/ -107.718436	173°	Grasses- Stressed Forbs- Moderately stressed Shrubs- NA	Prostrate knotweed (*Polygonum aviculare*), cheatgrass *(Bromus tectorum)*, kochia (*Bassia scoparia*), field bindweed *(Convolvulus arvensis)*, and an unknown forb.
2 37.179613/ -107.718525	210°	Grasses- Not stressed Forbs- Not stressed Shrubs- NA	Cattail, prickly lettuce (*Lactuca serriola*), musk thistle *(Carduus nutans)*, curly dock *(Rumex crispus)*, western water hemlock *(Cicuta douglasii)*, and an unknown forb.
3 37.179187/ -107.718863	191°	Grasses- Not stressed Forbs- Not stressed Shrubs- Not stressed	Cattail, yarrow (*Achillea millefolium*), big sagebrush *(Artemisia tridentate)*, musk thistle, rubber rabbitbrush *(Ericameria nauseosa)*, and western water hemlock.

Results:

Species diversity and abundance were consistent with seasonal conditions. Transect 1 was located in a grazed and/or mowed field that had been recently graded. Transects 2 and 3 were located within an irrigation-influenced wetland. Dead cattails present in Transects 2 and 3 were likely from last season; abundant live cattails were present along Transects 2 and 3. Some impacts from grazing or browsing were evident along Transect 3.

Photo 1: Start of Transect 1, 6/9/2020.

Photo 2: Start of Transect 2, 6/9/2020.

Photo 3: Start of Transect 3, 6/9/2020.

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ATTACHMENT 2

Leroy McCaw B#1
Soil Sampling
Photographic Log
BP America Production Co.

Photo 1: SS13 collected from near the point of release, 6/9/2020.

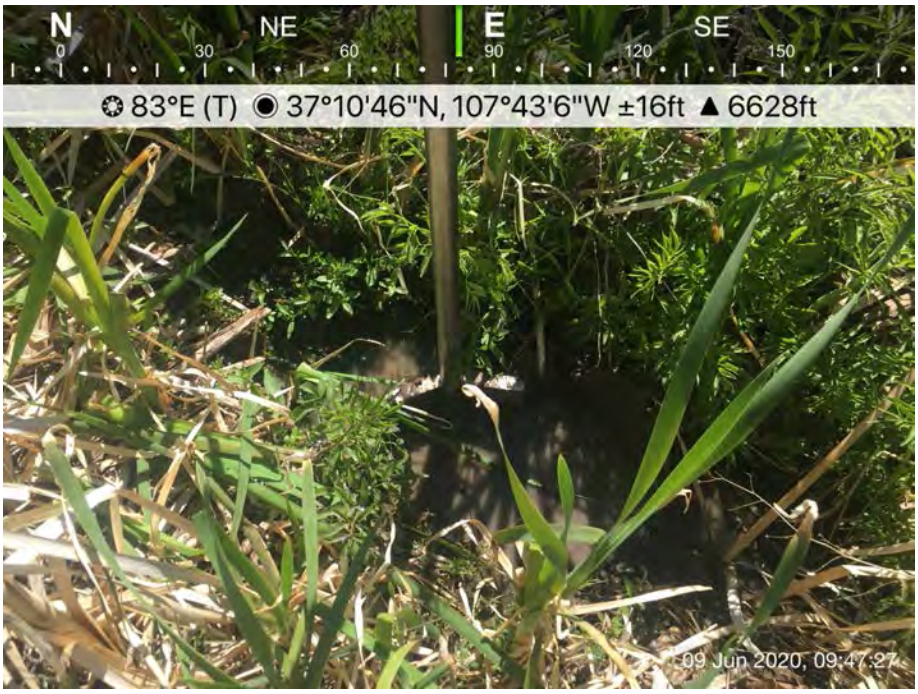

Photo 2: SS14 collected within release area, 6/9/2020.

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Soil Sampling Results
Leroy McCaw B#1
BP America Production Company

Parameter	SS01	SS02	SS05	SS07	SS09	SS11	SS13		
Sample Date	4/2/2019	4/2/2019	5/3/2019	8/1/2019	11/8/2019	3/17/2020	6/9/2020	**COGCC**	
Sample Location	Background	Point of Release	Point of Release	Point of Release	Point of Release	Point of Release	Point of Release	**Table 910**	**Units**
Field, PID	1.8	0.8	1.3	-	-	-	-	NA	ppm
Conductivity	0.254	3.870	1.230	1.770	3.630	0.853	0.806	<4 or 2x BG	mmhos/cm
pH	6.66	7.29	7.96	8.17	8.04	8.05	7.74	6-9	pH units
SAR	0.39	**14.1**	10.7	**14.0**	**17.2**	11.7	11.8	<12	no units
Calcium	35.5	111	22.0	32.3	38.6	24.1	23.7	NA	mg/L
Magnesium	6.19	17.9	6.96	5.62	9.44	5.25	5.91	NA	mg/L
Sodium	9.46	607	225	327	459	243	247	NA	mg/L
Arsenic	**2.64**	**4.04**	**2.72**	**2.82**	**2.22**	**3.35**	**3.44**	0.39	mg/kg
Barium	452	275	286	261	309	367	301	15,000	mg/kg
Cadmium	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	70	mg/kg
Chromium	7.17	6.42	6.58	8.23	18.8	7.99	10.1	23	mg/kg
Copper	24.4	22.5	17.9	18.6	19.5	10.9	13.5	3,100	mg/kg
Lead	16.1	11.4	10.3	10.1	11.8	<10.0	<10.0	400	mg/kg
Nickel	10.6	8.96	10.3	9.31	14.1	9.98	10.4	1,600	mg/kg
Selenium	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	390	mg/kg
Silver	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	390	mg/kg
Zinc	55.2	50.5	46.8	57.2	53.9	53.6	50.2	23,000	mg/kg
Mercury	<0.0496	<0.0553	<0.0480	<0.0426	<0.0428	<0.0475	<0.0418	23	mg/kg
Boron	<1.20	**2.18**	<1.20	1.28	<1.20	<1.20	<1.20	2	mg/L
Benzene	<0.050	<0.050	-	-	-	-	-	0.17	mg/kg
Toluene	<0.050	<0.050	-	-	-	-	-	85	mg/kg
Ethylbenzene	<0.050	<0.050	-	-	-	-	-	100	mg/kg
Total Xylenes	<0.150	<0.150	-	-	-	-	-	175	mg/kg
Total BTEX	<0.300	<0.300	-	-	-	-	-	NA	mg/kg
TPH (GRO)	<10.0	<10.0	-	-	-	-	-	NA	mg/kg
TPH (DRO)	<10.0	<10.0	-	-	-	-	-	NA	mg/kg
TPH (EXT DRO)	<10.0	<10.0	-	-	-	-	-	NA	mg/kg
Total TPH	<30.0	<30.0	-	-	-	-	-	500	mg/kg
Naphthalene	<0.014	<0.014	-	-	-	-	-	23	mg/kg
Acenaphthene	<0.007	<0.007	-	-	-	-	-	1,000	mg/kg
Fluorene	<0.006	<0.006	-	-	-	-	-	1,000	mg/kg
Anthracene	<0.008	<0.008	-	-	-	-	-	1,000	mg/kg
Fluoranthene	<0.006	<0.006	-	-	-	-	-	1,000	mg/kg
Pyrene	<0.007	<0.007	-	-	-	-	-	1,000	mg/kg
Benzo(a)anthracene	<0.008	<0.008	-	-	-	-	-	0.22	mg/kg
Chrysene	<0.010	<0.010	-	-	-	-	-	22	mg/kg
Benzo(b)fluoranthene	<0.009	<0.009	-	-	-	-	-	0.22	mg/kg
Benzo(k)fluoranthene	<0.010	<0.010	-	-	-	-	-	2.2	mg/kg
Benzo(a)pyrene	<0.007	<0.007	-	-	-	-	-	0.022	mg/kg
Indeno(1,2,3-cd)pyrene	<0.010	<0.010	-	-	-	-	-	0.22	mg/kg
Dibenz(a,h)anthracene	<0.006	<0.006	-	-	-	-	-	0.022	mg/kg

Notes: SS01 collected as a background sample. SS02, SS05, SS07, SS09, SS11, and SS13 collected from the same sample location near the point of release. SS03, SS06, SS08, SS10, SS12, and SS14 collected from the same sample location within the wetland area.

ppm - parts per million
mg/kg - milligrams per kilogram
mg/L - milligrams per liter
mmhos/cm - millihos per centimeter
PID - Photoionization Detector
SAR - Sodium Adsorption Ratio
NA - Not Applicable
"-" - indicates no data

BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes
TPH - Total Petroleum Hydrocarbons
GRO - Gasoline Range Organics
DRO - Diesel Range Organics
EXT - Extended
BG - Background
COGCC- Colorado Oil & Gas Conservation Commision
Bold values exceed COGCC Table 910.

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Soil Sampling Results (continued)
Leroy McCaw B#1
BP America Production Company

Parameter	SS04	SS03	SS06	SS08	SS10	SS12	SS14		
Sample Date	4/2/2019	4/2/2019	5/3/2019	8/1/2019	11/8/2019	3/17/2020	6/9/2020	**COGCC**	
Sample Location	Downstream	Wetland Area	Wetland Area	Wetland Area	Wetland Area	Wetland Area	Wetland Area	**Table 910**	**Units**
Field, PID	0.5	0.6	0.6	-	-	-	-	NA	ppm
Conductivity	1.000	1.770	2.740	1.210	1.740	1.890	1.300	<4 or 2x BG	mmhos/cm
pH	**5.50**	8.01	6.70	6.89	6.73	6.66	6.54	6-9	pH units
SAR	2.80	**19.3**	9.50	6.03	5.10	6.91	4.96	<12	no units
Calcium	74.4	74.7	143	71.6	128	92.1	97.2	NA	mg/L
Magnesium	14.6	11.7	21.1	11.8	21.7	16.4	15.8	NA	mg/L
Sodium	101	681	460	209	237	274	200	NA	mg/L
Arsenic	**2.48**	**3.12**	**1.92**	**1.82**	**2.32**	**2.91**	**2.30**	0.39	mg/kg
Barium	251	322	322	254	324	317	288	15,000	mg/kg
Cadmium	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	70	mg/kg
Chromium	6.25	6.02	6.26	5.17	6.52	7.10	5.80	23	mg/kg
Copper	16.8	16.3	14.4	11.7	15.8	6.22	5.31	3,100	mg/kg
Lead	11.9	13.2	11.7	10.6	11.8	10.0	<10.0	400	mg/kg
Nickel	7.95	7.67	7.49	6.65	7.68	7.89	7.05	1,600	mg/kg
Selenium	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	390	mg/kg
Silver	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	390	mg/kg
Zinc	51.2	55.6	54.8	53.6	61.0	53.1	50.3	23,000	mg/kg
Mercury	<0.0651	<0.0660	<0.0657	<0.0635	<0.0615	<0.0692	<0.0659	23	mg/kg
Boron	<1.20	<1.20	**2.21**	1.41	1.43	<1.20	1.22	2	mg/L
Benzene	<0.050	<0.050	-	-	-	-	-	0.17	mg/kg
Toluene	<0.050	<0.050	-	-	-	-	-	85	mg/kg
Ethylbenzene	<0.050	<0.050	-	-	-	-	-	100	mg/kg
Total Xylenes	<0.150	<0.150	-	-	-	-	-	175	mg/kg
Total BTEX	<0.300	<0.300	-	-	-	-	-	NA	mg/kg
TPH (GRO)	<10.0	<10.0	-	-	-	-	-	NA	mg/kg
TPH (DRO)	<10.0	<10.0	-	-	-	-	-	NA	mg/kg
TPH (EXT DRO)	<10.0	<10.0	-	-	-	-	-	NA	mg/kg
Total TPH	<30.0	<30.0	-	-	-	-	-	500	mg/kg
Naphthalene	<0.014	<0.014	-	-	-	-	-	23	mg/kg
Acenaphthene	<0.007	<0.007	-	-	-	-	-	1,000	mg/kg
Fluorene	<0.006	<0.006	-	-	-	-	-	1,000	mg/kg
Anthracene	<0.008	<0.008	-	-	-	-	-	1,000	mg/kg
Fluoranthene	<0.006	<0.006	-	-	-	-	-	1,000	mg/kg
Pyrene	<0.007	<0.007	-	-	-	-	-	1,000	mg/kg
Benzo(a)anthracene	0.009	<0.008	-	-	-	-	-	0.22	mg/kg
Chrysene	<0.010	<0.010	-	-	-	-	-	22	mg/kg
Benzo(b)fluoranthene	<0.009	<0.009	-	-	-	-	-	0.22	mg/kg
Benzo(k)fluoranthene	<0.010	<0.010	-	-	-	-	-	2.2	mg/kg
Benzo(a)pyrene	<0.007	<0.007	-	-	-	-	-	0.022	mg/kg
Indeno(1,2,3-cd)pyrene	<0.010	<0.010	-	-	-	-	-	0.22	mg/kg
Dibenz(a,h)anthracene	<0.006	<0.006	-	-	-	-	-	0.022	mg/kg

Notes: SS01 collected as a background sample. SS02, SS05, SS07, SS09, SS11, and SS13 collected from the same sample location near the point of release. SS03, SS06, SS08, SS10, SS12, and SS14 collected from the same sample location within the wetland area.

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BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes
TPH - Total Petroleum Hydrocarbons
GRO - Gasoline Range Organics
DRO - Diesel Range Organics
EXT - Extended
BG - Background
COGCC- Colorado Oil & Gas Conservation Commision
Bold values exceed COGCC Table 910.

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ATTACHMENT 3

Leroy McCaw B#1
Water Sampling
Photographic Log
BP America Production Co.

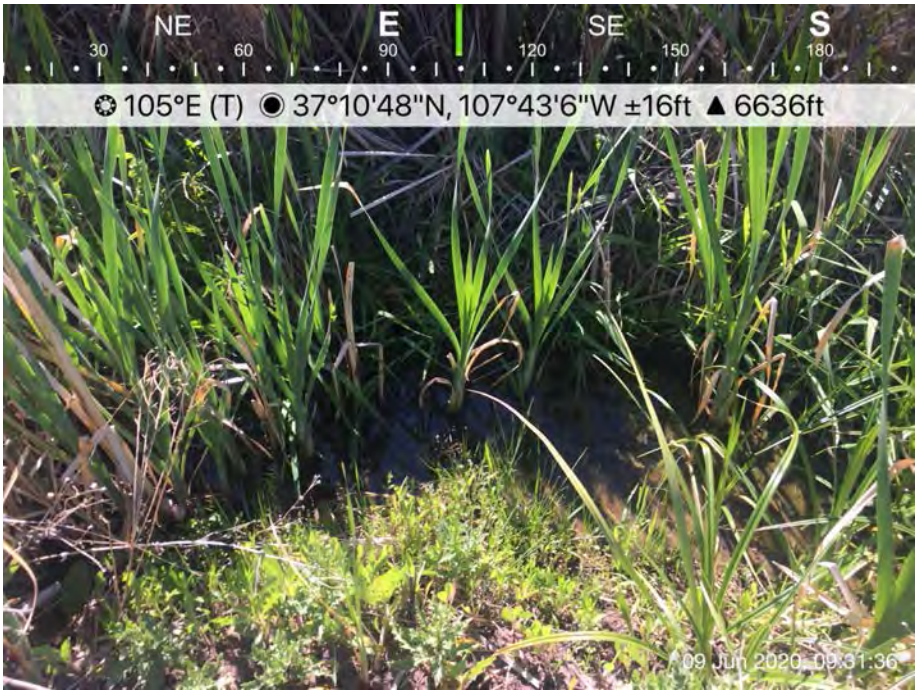

Photo 1: WS06 collected from wet area adjacent to point of release, 6/9/2020.

Water Sampling Results
Leroy McCaw B#1
BP America Production Company

Parameter	WS01	WS02	WS03	WS04	WS05	WS06	
Sample Date	4/2/2019	4/2/2019	5/3/2019	8/1/2019	3/17/2020	6/9/2020	
Sample Location	Release Area	Downstream	Adjacent Wetland	Adjacent Wetland	Adjacent Wetland	Adjacent Wetland	Units
Alkalinity, Bicarbonate	1,880	59.0	314	78.0	387	113	mg/L
Alkalinity, Carbonate	100	<10.0	<10.0	<10.0	<10.0	<10.0	mg/L
Alkalinity, Total	1,980	59.0	314	78.0	387	113	mg/L
Chloride	771	161	48.2	2.81	217	2.64	mg/L
Conductivity	5,530	831	888	181	1,840	262	uS/cm
pH	7.79	6.66	7.93	7.42	7.46	7.11	pH Units
Resistivity	181	1,200	1,130	5,530	545	3,820	ohm/cm
TDS	3,250	470	510	155	1,010	230	mg/L
Sulfate	<4.00	62.6	64.9	6.01	118	5.76	mg/L
Hardness	51.4	182	200	74.7	325	91.5	mg/L
Barium	2.93	0.209	0.146	0.093	0.216	0.098	mg/L
Calcium	14.7	55.5	58.2	22.9	99.6	28.2	mg/L
Dissolved Iron	<0.250	<0.250	0.170	0.092	<0.100	0.257	mg/L
Total Iron	4.90	3.14	0.315	0.994	0.276	1.25	mg/L
Magnesium	3.54	10.4	13.3	4.27	18.5	5.14	mg/L
Manganese	0.340	0.163	0.101	0.045	<0.040	0.278	mg/L
Potassium	7.02	<5.00	4.76	3.26	3.49	2.28	mg/L
Sodium	1,290	93.3	117	13.8	228	17.9	mg/L
Strontium	2.32	0.683	1.04	0.290	1.65	0.411	mg/L
Benzene	<0.001	<0.001	-	-	-	-	mg/L
Toluene	<0.001	<0.001	-	-	-	-	mg/L
Ethylbenzene	<0.001	<0.001	-	-	-	-	mg/L
Total Xylenes	<0.003	<0.003	-	-	-	-	mg/L
Total BTEX	<0.006	<0.006	-	-	-	-	mg/L
TPH (GRO)	<1.00	<1.00	-	-	-	-	mg/L
TPH (DRO)	<1.00	<1.00	-	-	-	-	mg/L
TPH (EXT DRO)	<1.00	<1.00	-	-	-	-	mg/L

Notes: WS03, WS04, WS05, and WS06 collected from the same sample location within the wetland adjacent to the point of release.

mg/L - milligrams per liter
uS/cm - microsiemens per centimeter
ohm/cm - ohms per centimeter
TDS - Total Dissolved Solids
BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes
TPH - Total Petroleum Hydrocarbons
GRO - Gasoline Range Organics
DRO - Diesel Range Organics
EXT - Extended
"-" - indicates no data

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ATTACHMENT 4

75 Suttle Street
Durango, CO 81303
970.247.4220 Phone
970.247.4227 Fax
www.greenanalytical.com

22 June 2020

Steve Moskal
BP America
1199 Main Ave Suite 101
Durango, CO 81303

RE: API Water, Table 910 Soil Inorganics

Enclosed are the results of analyses for samples received by the laboratory on 06/09/20 12:58.
If you need any further assistance, please feel free to contact me.

Sincerely,

Debbie Zufelt
Reports Manager

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at http://greenanalytical.com/certifications/

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water.

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8.

dzufelt@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303

www.GreenAnalytical.com

BP America	Project: API Water, Table 910 Soil Inorganics	
1199 Main Ave Suite 101	Project Name / Number: Leroy Mccaw B#1	**Reported:**
Durango CO, 81303	Project Manager: Steve Moskal	06/22/20 15:33

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
WS06	2006070-01	Water	06/09/20 09:35	06/09/20 12:58	
SS13	2006070-02	Solid	06/09/20 09:40	06/09/20 12:58	
SS14	2006070-03	Solid	06/09/20 09:45	06/09/20 12:58	

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BP America	Project: API Water, Table 910 Soil Inorganics	
1199 Main Ave Suite 101	Project Name / Number: Leroy Mccaw B#1	**Reported:**
Durango CO, 81303	Project Manager: Steve Moskal	06/22/20 15:33

WS06

2006070-01 (Surface Water)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
Alkalinity, Bicarbonate as CaCO3*	**113**	10.0	7.16	mg/L	1	06/11/20 08:45	2320 B		VJW
Alkalinity, Carbonate as CaCO3*	<10.0	10.0		mg/L	1	06/11/20 08:45	2320 B		VJW
Alkalinity, Hydroxide as CaCO3*	<10.0	10.0		mg/L	1	06/11/20 08:45	2320 B		VJW
Alkalinity, Total as CaCO3*	**113**	10.0	7.16	mg/L	1	06/11/20 08:45	2320 B		VJW
Chloride*	**2.64**	1.00	0.0886	mg/L	1	06/10/20 01:21	EPA300.0		AES
Conductivity*	**262**	5.00		umho/cm @ 25.0°C	1	06/10/20 12:25	2510 B		VJW
pH*	**7.11**			pH Units	1	06/10/20 12:25	EPA150.1		VJW
Resistivity	**3820**			ohm/cm	1	06/10/20 12:25	2510 B		VJW
Total Dissolved Solids*	**230**	10.0		mg/L	1	06/09/20 16:55	EPA160.1		VJW
Specific Gravity	**1.001**	0.8000		No Unit	1	06/10/20 10:05	ASTM D1429-03		VJW
Sulfate*	**5.76**	1.00	0.152	mg/L	1	06/10/20 01:21	EPA300.0		AES
Total Recoverable Metals by ICP (E200.7)									
Iron*	**1.25**	0.050	0.016	mg/L	1	06/16/20 15:34	EPA200.7		AES
Dissolved Metals by ICP									
Barium*	**0.098**	0.020	0.002	mg/L	1	06/12/20 09:57	EPA200.7		AES
Calcium*	**28.2**	0.100	0.017	mg/L	1	06/12/20 09:57	EPA200.7		AES
Hardness as CaCO3	**91.5**	0.662	0.138	mg/L	1	06/12/20 09:57	2340 B		AES
Iron*	**0.257**	0.050	0.018	mg/L	1	06/12/20 09:57	EPA200.7		AES
Magnesium*	**5.14**	0.100	0.023	mg/L	1	06/12/20 09:57	EPA200.7		AES
Manganese*	**0.278**	0.020	0.002	mg/L	1	06/12/20 09:57	EPA200.7		AES
Potassium*	**2.28**	1.00	0.130	mg/L	1	06/12/20 09:57	EPA200.7		AES
Sodium*	**17.9**	1.00	0.101	mg/L	1	06/12/20 09:57	EPA200.7		AES
Strontium*	**0.411**	0.100	0.004	mg/L	1	06/12/20 09:57	EPA200.7		AES
Cation/Anion Balance	**4.66**								

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BP America	Project: API Water, Table 910 Soil Inorganics	
1199 Main Ave Suite 101	Project Name / Number: Leroy Mccaw B#1	**Reported:**
Durango CO, 81303	Project Manager: Steve Moskal	06/22/20 15:33

SS13

2006070-02 (Soil)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	**95.6**			%	1	06/10/20 15:50	EPA160.3/1684		VJW
Saturated Paste Extraction									
Calcium	**23.7**	0.100	0.017	mg/L	1	06/22/20 09:39	EPA200.7		AES
Conductivity	**806**			umho/cm @ 25.0°C	1	06/18/20 15:55	ASA#9 10-3.3		VJW
Magnesium	**5.91**	0.100	0.023	mg/L	1	06/22/20 09:39	EPA200.7		AES
pH	**7.74**			pH Units	1	06/18/20 13:00	ASA#9 12-2.6		VJW
SAR	**11.8**			No Unit	1	06/22/20 09:39	Calculation		AES
Sodium	**247**	1.00	0.101	mg/L	1	06/22/20 09:39	EPA200.7		AES
Total Metals by ICP									
Barium	**301**	5.00	0.318	mg/kg dry	100	06/18/20 12:44	6010B		AES
Cadmium	<5.00	5.00	0.310	mg/kg dry	100	06/18/20 12:44	6010B		AES
Chromium	**10.1**	5.00	0.416	mg/kg dry	100	06/18/20 12:44	6010B		AES
Copper	**13.5**	5.00	1.40	mg/kg dry	100	06/18/20 12:44	6010B		AES
Lead	<10.0	10.0	0.661	mg/kg dry	100	06/18/20 12:44	6010B		AES
Nickel	**10.4**	5.00	0.507	mg/kg dry	100	06/18/20 12:44	6010B		AES
Selenium	<20.0	20.0	7.60	mg/kg dry	100	06/18/20 12:43	6010B		AES
Silver	<1.00	1.00	0.390	mg/kg dry	100	06/18/20 12:44	6010B		AES
Zinc	**50.2**	10.0	2.60	mg/kg dry	100	06/18/20 12:44	6010B		AES
Total Metals by ICPMS									
Arsenic	**3.44**	1.00	0.0807	mg/kg dry	1000	06/19/20 10:13	6020A		AES
Total Mercury by CVAA									
Mercury	<0.0418	0.0418	0.0024	mg/kg dry	200	06/19/20 15:45	EPA7471		LLG
Hot Water Extractable									
Boron	<1.20	1.20	0.059	mg/L	4	06/18/20 13:11	EPA200.7		AES
Cation/Anion Balance	**100.**								

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BP America	Project: API Water, Table 910 Soil Inorganics	
1199 Main Ave Suite 101	Project Name / Number: Leroy Mccaw B#1	**Reported:**
Durango CO, 81303	Project Manager: Steve Moskal	06/22/20 15:33

SS14

2006070-03 (Soil)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	**60.7**			%	1	06/10/20 15:50	EPA160.3/1684		VJW
Saturated Paste Extraction									
Calcium	**97.2**	0.200	0.033	mg/L	2	06/22/20 09:43	EPA200.7		AES
Conductivity	**1300**			umho/cm @ 25.0°C	1	06/18/20 15:55	ASA#9 10-3.3		VJW
Magnesium	**15.8**	0.200	0.047	mg/L	2	06/22/20 09:44	EPA200.7		AES
pH	**6.54**			pH Units	1	06/18/20 13:00	ASA#9 12-2.6		VJW
SAR	**4.96**			No Unit	1	06/22/20 09:43	Calculation		AES
Sodium	**200**	2.00	0.201	mg/L	2	06/22/20 09:43	EPA200.7		AES
Total Metals by ICP									
Barium	**288**	5.00	0.318	mg/kg dry	100	06/18/20 12:56	6010B		AES
Cadmium	<5.00	5.00	0.310	mg/kg dry	100	06/18/20 12:56	6010B		AES
Chromium	**5.80**	5.00	0.416	mg/kg dry	100	06/18/20 12:56	6010B		AES
Copper	**5.31**	5.00	1.40	mg/kg dry	100	06/18/20 12:56	6010B		AES
Lead	<10.0	10.0	0.661	mg/kg dry	100	06/18/20 12:56	6010B		AES
Nickel	**7.05**	5.00	0.507	mg/kg dry	100	06/18/20 12:56	6010B		AES
Selenium	<20.0	20.0	7.60	mg/kg dry	100	06/18/20 12:56	6010B		AES
Silver	<1.00	1.00	0.390	mg/kg dry	100	06/18/20 12:56	6010B		AES
Zinc	**50.3**	10.0	2.60	mg/kg dry	100	06/18/20 12:56	6010B		AES
Total Metals by ICPMS									
Arsenic	**2.30**	1.00	0.0807	mg/kg dry	1000	06/19/20 10:30	6020A		AES
Total Mercury by CVAA									
Mercury	<0.0659	0.0659	0.0038	mg/kg dry	200	06/19/20 15:45	EPA7471		LLG
Hot Water Extractable									
Boron	**1.22**	1.20	0.059	mg/L	4	06/18/20 13:19	EPA200.7		AES
Cation/Anion Balance	**100.**								

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BP America	Project: API Water, Table 910 Soil Inorganics	
1199 Main Ave Suite 101	Project Name / Number: Leroy Mccaw B#1	**Reported:**
Durango CO, 81303	Project Manager: Steve Moskal	06/22/20 15:33

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B200985 - General Prep - Wet Chem										
Blank (B200985-BLK1)				Prepared & Analyzed: 06/09/20						
Chloride	ND	1.00	mg/L							
Sulfate	ND	1.00	mg/L							
LCS (B200985-BS1)				Prepared & Analyzed: 06/09/20						
Chloride	24.1	1.00	mg/L	25.0		96.3	90-110			
Sulfate	24.4	1.00	mg/L	25.0		97.5	90-110			
LCS Dup (B200985-BSD1)				Prepared & Analyzed: 06/09/20						
Chloride	24.2	1.00	mg/L	25.0		96.7	90-110	0.452	20	
Sulfate	24.6	1.00	mg/L	25.0		98.3	90-110	0.817	20	
Batch B200986 - General Prep - Wet Chem										
Blank (B200986-BLK1)				Prepared & Analyzed: 06/09/20						
Total Dissolved Solids	ND	10.0	mg/L							
Duplicate (B200986-DUP1)			**Source: 2006022-01**	Prepared & Analyzed: 06/09/20						
Total Dissolved Solids	585	10.0	mg/L		585			0.00	20	
Reference (B200986-SRM1)				Prepared & Analyzed: 06/09/20						
Total Dissolved Solids	595	10.0	mg/L	570		104	85-115			
Batch B200991 - General Prep - Wet Chem										
Duplicate (B200991-DUP1)			**Source: 2006070-01**	Prepared & Analyzed: 06/10/20						
Specific Gravity	1.001	0.8000	No Unit		1.001			0.00	20	
Batch B200996 - General Prep - Wet Chem										
Duplicate (B200996-DUP1)			**Source: 2006070-02**	Prepared & Analyzed: 06/10/20						
% Dry Solids	95.5		%		95.6			0.128	20	
Batch B200997 - General Prep - Wet Chem										
Blank (B200997-BLK1)				Prepared: 06/10/20 Analyzed: 06/11/20						
Alkalinity, Bicarbonate as CaCO3	ND	10.0	mg/L							
Alkalinity, Carbonate as CaCO3	ND	10.0	mg/L							
Alkalinity, Hydroxide as CaCO3	ND	10.0	mg/L							
Alkalinity, Total as CaCO3	ND	10.0	mg/L							
LCS (B200997-BS1)				Prepared: 06/10/20 Analyzed: 06/11/20						
Alkalinity, Bicarbonate as CaCO3	98.0	10.0	mg/L				85-115			
Alkalinity, Carbonate as CaCO3	ND	10.0	mg/L				85-115			
Alkalinity, Hydroxide as CaCO3	ND	10.0	mg/L				85-115			
Alkalinity, Total as CaCO3	98.0	10.0	mg/L	100		98.0	85-115			

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1199 Main Ave Suite 101	Project Name / Number: Leroy Mccaw B#1	**Reported:**
Durango CO, 81303	Project Manager: Steve Moskal	06/22/20 15:33

General Chemistry - Quality Control (Continued)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B200997 - General Prep - Wet Chem (Continued)										
LCS Dup (B200997-BSD1)			Prepared: 06/10/20 Analyzed: 06/11/20							
Alkalinity, Bicarbonate as CaCO3	95.0	10.0	mg/L				85-115	3.11	20	
Alkalinity, Carbonate as CaCO3	ND	10.0	mg/L				85-115		20	
Alkalinity, Hydroxide as CaCO3	ND	10.0	mg/L				85-115		20	
Alkalinity, Total as CaCO3	95.0	10.0	mg/L	100		95.0	85-115	3.11	20	
Batch B201005 - General Prep - Wet Chem										
Duplicate (B201005-DUP2)		**Source: 2006079-01**	Prepared & Analyzed: 06/10/20							
pH	7.75		pH Units		7.70			0.647	20	
Reference (B201005-SRM1)			Prepared & Analyzed: 06/10/20							
pH	7.05		pH Units	7.00		101	98.5-101.4			
Batch B201007 - General Prep - Wet Chem										
Duplicate (B201007-DUP1)		**Source: 2006067-01**	Prepared & Analyzed: 06/10/20							
Conductivity	788	5.00	umho/cm @ 25.0°C		822			4.22	20	
Reference (B201007-SRM1)			Prepared & Analyzed: 06/10/20							
Conductivity	527	5.00	umho/cm @ 25.0°C	488		108	90-110			

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1199 Main Ave Suite 101	Project Name / Number: Leroy Mccaw B#1	**Reported:**
Durango CO, 81303	Project Manager: Steve Moskal	06/22/20 15:33

Saturated Paste Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B201050 - Paste Extract										
Blank (B201050-BLK1)				Prepared: 06/16/20 Analyzed: 06/22/20						
Calcium	ND	0.100	mg/L							
Magnesium	ND	0.100	mg/L							
Sodium	ND	1.00	mg/L							
Duplicate (B201050-DUP1)		**Source: 2006070-03**		Prepared: 06/16/20 Analyzed: 06/22/20						
Calcium	85.0	0.200	mg/L		97.2			13.4	20	
Magnesium	14.2	0.200	mg/L		15.8			10.5	20	
SAR	5.00		No Unit		4.96			0.803	20	
Sodium	189	2.00	mg/L		200			5.50	20	
Batch B201051 - Paste Extract										
Duplicate (B201051-DUP1)		**Source: 2006070-03**		Prepared: 06/16/20 Analyzed: 06/18/20						
Conductivity	1200		umho/cm @ 25.0°C		1300			7.82	20	
Batch B201052 - Paste Extract										
Duplicate (B201052-DUP1)		**Source: 2006070-03**		Prepared: 06/16/20 Analyzed: 06/18/20						
pH	6.59		pH Units		6.54			0.762	20	

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1199 Main Ave Suite 101	Project Name / Number: Leroy Mccaw B#1	**Reported:**
Durango CO, 81303	Project Manager: Steve Moskal	06/22/20 15:33

Total Metals by ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B201071 - EPA 3050										
Blank (B201071-BLK1)				Prepared: 06/17/20 Analyzed: 06/18/20						
Barium	ND	5.00	mg/kg dry							
Cadmium	ND	5.00	mg/kg dry							
Chromium	ND	5.00	mg/kg dry							
Copper	ND	5.00	mg/kg dry							
Lead	ND	10.0	mg/kg dry							
Nickel	ND	5.00	mg/kg dry							
Selenium	ND	20.0	mg/kg dry							
Silver	ND	1.00	mg/kg dry							
Zinc	ND	10.0	mg/kg dry							
LCS (B201071-BS1)				Prepared: 06/17/20 Analyzed: 06/18/20						
Barium	183	5.00	mg/kg dry	200		91.7	80-120			
Cadmium	172	5.00	mg/kg dry	200		86.0	80-120			
Chromium	183	5.00	mg/kg dry	200		91.7	80-120			
Copper	384	5.00	mg/kg dry	400		96.0	80-120			
Lead	182	10.0	mg/kg dry	200		91.2	80-120			
Nickel	183	5.00	mg/kg dry	200		91.3	80-120			
Selenium	753	20.0	mg/kg dry	800		94.1	80-120			
Silver	9.07	1.00	mg/kg dry	10.0		90.7	80-120			
Zinc	174	10.0	mg/kg dry	200		87.2	80-120			
LCS Dup (B201071-BSD1)				Prepared: 06/17/20 Analyzed: 06/18/20						
Barium	184	5.00	mg/kg dry	200		92.0	80-120	0.406	20	
Cadmium	173	5.00	mg/kg dry	200		86.3	80-120	0.323	20	
Chromium	184	5.00	mg/kg dry	200		92.1	80-120	0.478	20	
Copper	386	5.00	mg/kg dry	400		96.4	80-120	0.411	20	
Lead	181	10.0	mg/kg dry	200		90.6	80-120	0.718	20	
Nickel	182	5.00	mg/kg dry	200		90.9	80-120	0.420	20	
Selenium	743	20.0	mg/kg dry	800		92.9	80-120	1.33	20	
Silver	9.04	1.00	mg/kg dry	10.0		90.4	80-120	0.351	20	
Zinc	173	10.0	mg/kg dry	200		86.7	80-120	0.635	20	

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Durango CO, 81303	Project Manager: Steve Moskal	06/22/20 15:33

Total Recoverable Metals by ICP (E200.7) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B201015 - Total Rec. 200.7/200.8/200.2										
Blank (B201015-BLK1)				Prepared: 06/11/20 Analyzed: 06/16/20						
Iron	ND	0.050	mg/L							
LCS (B201015-BS1)				Prepared: 06/11/20 Analyzed: 06/16/20						
Iron	3.94	0.050	mg/L	4.00		98.5	85-115			
LCS Dup (B201015-BSD1)				Prepared: 06/11/20 Analyzed: 06/16/20						
Iron	3.91	0.050	mg/L	4.00		97.6	85-115	0.896	20	

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1199 Main Ave Suite 101	Project Name / Number: Leroy Mccaw B#1	**Reported:**
Durango CO, 81303	Project Manager: Steve Moskal	06/22/20 15:33

Dissolved Metals by ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B201011 - Diss. 200.7/200.8										
Blank (B201011-BLK1)				Prepared: 06/11/20 Analyzed: 06/12/20						
Barium	ND	0.020	mg/L							
Calcium	ND	0.100	mg/L							
Iron	ND	0.050	mg/L							
Magnesium	ND	0.100	mg/L							
Manganese	ND	0.020	mg/L							
Potassium	ND	1.00	mg/L							
Sodium	ND	1.00	mg/L							
Strontium	ND	0.100	mg/L							
LCS (B201011-BS1)				Prepared: 06/11/20 Analyzed: 06/12/20						
Barium	2.50	0.020	mg/L	2.50		99.8	85-115			
Calcium	4.94	0.100	mg/L	5.00		98.7	85-115			
Iron	4.78	0.050	mg/L	5.00		95.6	85-115			
Magnesium	25.3	0.100	mg/L	25.0		101	85-115			
Manganese	2.46	0.020	mg/L	2.50		98.4	85-115			
Potassium	10.1	1.00	mg/L	10.0		101	85-115			
Sodium	4.19	1.00	mg/L	4.05		103	85-115			
Strontium	5.14	0.100	mg/L	5.00		103	85-115			
LCS Dup (B201011-BSD1)				Prepared: 06/11/20 Analyzed: 06/12/20						
Barium	2.56	0.020	mg/L	2.50		102	85-115	2.46	20	
Calcium	4.94	0.100	mg/L	5.00		98.7	85-115	0.0163	20	
Iron	4.79	0.050	mg/L	5.00		95.8	85-115	0.207	20	
Magnesium	25.2	0.100	mg/L	25.0		101	85-115	0.506	20	
Manganese	2.46	0.020	mg/L	2.50		98.3	85-115	0.0923	20	
Potassium	10.1	1.00	mg/L	10.0		101	85-115	0.0290	20	
Sodium	4.15	1.00	mg/L	4.05		102	85-115	0.968	20	
Strontium	5.18	0.100	mg/L	5.00		104	85-115	0.859	20	

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BP America	Project: API Water, Table 910 Soil Inorganics	
1199 Main Ave Suite 101	Project Name / Number: Leroy Mccaw B#1	**Reported:**
Durango CO, 81303	Project Manager: Steve Moskal	06/22/20 15:33

Total Metals by ICPMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B201072 - EPA 3050M										
Blank (B201072-BLK1)				Prepared: 06/17/20 Analyzed: 06/19/20						
Arsenic	ND	0.100	mg/kg dry							
LCS (B201072-BS1)				Prepared: 06/17/20 Analyzed: 06/19/20						
Arsenic	5.28	0.100	mg/kg dry	5.00		106	80-120			
LCS Dup (B201072-BSD1)				Prepared: 06/17/20 Analyzed: 06/19/20						
Arsenic	5.30	0.100	mg/kg dry	5.00		106	80-120	0.273	20	

Total Mercury by CVAA - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B201073 - EPA 7471										
Blank (B201073-BLK1)				Prepared: 06/18/20 Analyzed: 06/19/20						
Mercury	ND	0.0002	mg/kg wet							
LCS (B201073-BS1)				Prepared: 06/18/20 Analyzed: 06/19/20						
Mercury	0.0052	0.0002	mg/kg wet	0.00500		105	85-115			
LCS Dup (B201073-BSD1)				Prepared: 06/18/20 Analyzed: 06/19/20						
Mercury	0.0053	0.0002	mg/kg wet	0.00500		106	85-115	0.816	20	

Hot Water Extractable - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B201054 - Hot Water Soluble Metals Extract										
Blank (B201054-BLK1)				Prepared: 06/16/20 Analyzed: 06/18/20						
Boron	ND	1.20	mg/L							
Duplicate (B201054-DUP1)			**Source: 2006070-02**	Prepared: 06/16/20 Analyzed: 06/18/20						
Boron	0.743	1.20	mg/L		0.778			4.60	200	

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Debbie Zufelt, Reports Manager

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BP America	Project: API Water, Table 910 Soil Inorganics	
1199 Main Ave Suite 101	Project Name / Number: Leroy Mccaw B#1	**Reported:**
Durango CO, 81303	Project Manager: Steve Moskal	06/22/20 15:33

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
	*Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL	Method Detection Limit

Green Analytical Laboratories

Debbie Zufelt

Debbie Zufelt, Reports Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

GAL Analytical Laboratories
(970) 247-4220
Fax: (970) 247-4227
service@greenanalytical.com or dzufelt@greenanalytical.com
75 Suttle St Durango, CO 81303

Company Name: BP America Production Co.
Project Manager: Steve Moskal
Address: 1199 Main Ave Suite 101
City: Durango State: CO Zip: 81301
Phone #: (505) 330 9179 Email: steven.moskal@bpx.com
Additional Report To:
Project Name: Leroy Mccaw B#1
Project Number:
Sampler Name (Print): Emma Millar

Bill to (if different):
P.O. #:
Company:
Attn:
Address:
City:
State: Zip:
Phone #:
Fax or Email:

Lab I.D. (FOR LAB USE ONLY)	Sample Name or Location	Collected Date	Collected Time	GROUNDWATER	SURFACEWATER	WASTEWATER	PRODUCEDWATER	SOIL	OTHER :	No preservation (general)	HNO_3	HCl	H_2SO_4	Other:	Other:	API Water	COGCC Table 910 Inorganics
2006-070-01	WS06	6/9/20	0935		X					1						X	
-02	SS13		0940					X		1							X
-03	SS14	↓	0945					X		1							X

Matrix (check one); # of containers; ANALYSIS REQUEST

PLEASE NOTE: GAL's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by GAL within 30 days after completion. In no event shall GAL be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by GAL, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date / Time	Received By:
[signature]	Date: 6/9/20 Time: 1258	Jim Hall [signature]
Relinquished By:	Date: Time:	Received By:
Relinquished By:	Date: Time:	Received By:

Delivered By: (Circle One)
Sampler - UPS - FedEx - Kangaroo - Other:

Temperature at reciept: 4.7/4.8°C
CHECKED BY: FH

ADDITIONAL REMARKS:
Cason Hell
on ice

Report to State? (Circle)
Yes No

† GAL cannot always accept verbal changes. Please fax or email written change requests.
* Chain of Custody must be signed in "Reliquished By:" as an acceptance of services and all applicable charges.