

APPENDIX A

Groundwater Sampling Documentation



Matrix Environmental Services
283 Rucker Street
Anniston, Alabama 36205
(256) 847-0780
(256) 847-0905

Project Name

McClellan

Project Number

21.094.22-22.1

GROUNDWATER LEVELS

Field Personnel

Abernathy

Measuring Equipment

Solinst Water Level Meter

Date

5/5/2022

Conditions

Sunny, 85°

Well ID	Casing Diameter	Date	Time	Depth to Water (feet)	Well Depth (feet)	Water Column (feet)	Initials
PPMP-66-MW01	2	5/5/2022	1132	5.02	26.03	21.01	DA
PPMP-66-MW02RR	2	5/5/2022	1122	3.57	23.50	19.93	DA
PPMP-66-MW03	2	5/5/2022	1113	4.39	28.00	23.61	DA
PPMP-66-MW04	2	5/5/2022	1055	4.99	26.50	21.51	DA
PPMP-66-MW06R	2	5/5/2022	1116	3.27	27.80	24.53	DA
PPMP-66-MW07	2	5/5/2022	1102	4.94	28.65	23.71	DA
PPMP-66-MW08	4	5/5/2022	1124	3.78	73.90	70.12	DA
PPMP-66-MW09	4	5/5/2022	1111	3.96	74.75	70.79	DA
PPMP-66-MW10	4	5/5/2022	1057	6.55	77.41	70.86	DA
PPMP-66-MW11	4	5/5/2022	1100	3.60	84.35	80.75	DA
PPMP-66-MW13	4	5/5/2022	1105	4.32	74.03	69.71	DA
PPMP-66-MW14	2	5/5/2022	1109	4.59	20.71	16.12	DA
PPMP-66-MW16	2	5/5/2022	1128	4.04	12.75	8.71	DA
PPMP-66-MW17	2	5/5/2022	1107	4.00	17.71	13.71	DA
PPMP-66-MW18R	2	5/5/2022	1138	3.13	15.00	11.87	DA
PPMP-66-MW21	2	5/5/2022	1126	2.91	14.40	11.49	DA
PPMP-66-MW22	2	5/5/2022	1130	3.56	24.65	21.09	DA
PPMP-66-MW23R	2	5/5/2022	1120	3.93	29.25	25.32	DA
PPMP-66-MW24R	2	5/5/2022	1118	3.90	34.15	30.25	DA



Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
(256) 847-0780

Station Name/Sample ID

PPMP-66-MW01

Project

McClellan

Project Number

21.094.22-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method Low Flow	Sampler D. Abernathy	Date 5/9/2022		
5.3 feet		Location (Site) SWR	Begin Time 1710		
Well Depth (TOC)		Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory Eurofins	Sample Depth 16.5	
24 feet			Sample Suite See COCs		
Water Column Thickness	Temperature (°F) 78°	Meters YSI pro plus#2			
18.7 feet		Serial numbers Geotech Water Level Meter			
Casing Diameter		Micro TPW Turbidimeter			
2 inches		Weather Conditions Sunny	Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A	
Casing Volume	5/9/2022		Persulfate	H ₂ O ₂	
2.99 gallons		Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	N/A		N/A
Well Elevation (TOC)	Product Observed (yes/no) N/A		Depth to product N/A		
782.12 feet					
Groundwater Elevation					
776.82 feet					

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1710	0	19.0	3085	6.0	-10	2.00	104	6.9	Cloudy	Yellow	None
1715	375	19.4	3090	5.0	-23	2.01	92	6.9	Cloudy	Yellow	None
1720	375	19.8	3102	2.9	-26	2.01	86	6.9	Cloudy	Yellow	None
1725	375	19.5	3100	0.8	-24	2.02	70	6.9	Cloudy	Yellow	None
1730	375	19.3	3098	0.7	-23	2.02	66	6.9	Cloudy	Yellow	None
1735	375	19.1	3099	0.8	-22	2.02	66	6.9	Cloudy	Yellow	None
1740	375	19.1	3081	0.9	-18	2.00	62	6.9	Cloudy	Yellow	None
1745	375	19.4	3065	1.2	-14	1.99	55	6.9	Cloudy	Clear	None
1750	375	19.3	3059	1.2	-12	1.99	54	6.9	Cloudy	Clear	None
1755	375	19.2	3043	1.3	-10	1.98	53	6.9	Cloudy	Clear	None
1800	375	19.0	3027	1.4	-8	1.96	51	6.9	Cloudy	Clear	None
1805	Collect Sample										
Total Time (min.) 55	Total Volume Removed 3750	Well pumped dry (yes/no) No		Notes Higher than normal turbidity							

QA/QC Samples

Signature



Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
(256) 847-0780

Station Name/Sample ID

PPMP-66-MW02RR

Project

McClellan

Project Number

21.094.22-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 3.74 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/10/2022
Well Depth (TOC) 23.55 feet		Location (Site) SWR	Begin Time 12:35
Water Column Thickness 19.81 feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory Eurofins	Sample Depth 20.0
Casing Diameter 2 inches		Sample Suite See COCs	
Casing Volume 3.17 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 78°	Meters YSI Pro Plus #2 Geotech Water Level Meter MicroTPW Turbidimeter	Serial numbers
Well Elevation (TOC) 780.37 feet	Weather Conditions Sunny	Calibration Field 5/10/2022	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 776.63 feet		Product Observed (yes/no) N/A	Persulfate N/A
Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit		Depth to product N/A	

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1235	0	23.9	3026	2.0	-1	1.98	30	6.7	Clear	Clear	None
1240	250	23.9	3052	1.2	-10	1.98	32	6.7	Clear	Clear	None
1245	250	23.9	3059	1.1	-16	1.99	31	6.7	Clear	Clear	None
1250	250	23.8	3067	1.0	-24	1.99	32	6.7	Clear	Clear	None
1255	250	24.1	3063	0.8	-28	1.99	28	6.7	Clear	Clear	None
1300	250	24.1	3057	0.7	-32	1.99	28	6.7	Clear	Clear	None
1305	250	23.9	3062	0.9	-34	1.99	26	6.7	Clear	Clear	None
1310	250	23.8	3056	1.0	-36	1.99	26	6.7	Clear	Clear	None
1315	Collect Sample										
Total Time (min.) 40	Total Volume Removed 1750	Well pumped dry (yes/no) No		Notes							

QA/QC Samples
DUP 393

Signature



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283 Rucker Street
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PPMP-66-MW04

Project

McClellan

Project Number

21.094.22-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 5.39 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/9/2022
Well Depth (TOC) 24 feet		Location (Site) SWR	Begin Time 8:20
Water Column Thickness 18.61 feet	Equipment Geotech Bladder Pump Geotech Geocontrol Pro	Laboratory Eurofins	Sample Depth 15.0
Casing Diameter 2 inches		Sample Suite See COCs	
Casing Volume 2.98 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 58°	Meters YSI Pro Plus#2 Geotech Water Level Meter Micro TPW Turbidimeter	Serial numbers
Well Elevation (TOC) 781.9 feet	Weather Conditions Sunny	Calibration Field 5/9/2022	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 776.51 feet		Product Observed (yes/no) N/A	Persulfate N/A
Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit		Depth to product N/A	

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
0820	0	16.9	2327	8.6	60	1.50	4	6.7	Clear	Clear	None
0825	500	17.1	2327	7.8	34	1.51	4	6.8	Clear	Clear	None
0830	500	17.2	2329	7.5	25	1.51	4	6.8	Clear	Clear	None
0835	500	17.6	2325	7.0	6	1.51	4	6.8	Clear	Clear	None
0840	500	17.5	2326	6.8	2	1.51	4	6.8	Clear	Clear	None
0845	500	17.8	2330	6.4	-11	1.51	4	6.9	Clear	Clear	None
0850	500	17.7	2325	6.1	-17	1.51	4	6.9	Clear	Clear	None
0855	500	17.6	2330	6.0	-22	1.51	4	6.9	Clear	Clear	None
0900	500	17.7	2325	5.9	-23	1.51	4	6.9	Clear	Clear	None
0905	Collect Sample										
Total Time (min.) 45	Total Volume Removed 4000	Well pumped dry (yes/no) No		Notes							

QA/QC Samples
DUP 394

Signature



Matrix Environmental Services
283 Rucker Street
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PPMP-66-MW06R

Project

McClellan

Project Number

21.094.22-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 3.38 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/10/2022
Well Depth (TOC) 29 feet		Location (Site) SWR	Begin Time 16:30
Water Column Thickness 25.62 feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory Eurofins	Sample Depth 19.0
Casing Diameter 2 inches		Sample Suite See COCs	
Casing Volume 4.10 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 82	Meters YSI Pro	Serial numbers
Well Elevation (TOC) 781.41 feet	Weather Conditions Sunny	Solinst Water Level Meter	
Groundwater Elevation 778.03 feet		Micro TPW Turbidity Meter	
		Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A
		5/10/2022	Persulfate N/A
			H ₂ O ₂ N/A
	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no) N/A	Depth to product N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1630	0	21.6	1146	6.6	-183	0.75	12	11.4	Clear	Clear	None
1635	450	21.3	1147	6.3	-182	0.75	13	11.4	Clear	Clear	None
1640	450	21.8	1152	6.2	-182	0.75	12	11.5	Clear	Clear	None
1645	450	22.0	1151	5.9	-183	0.75	12	11.5	Clear	Clear	None
1650	450	21.7	1153	5.6	-180	0.75	12	11.5	Clear	Clear	None
1655	450	21.5	1151	5.4	-176	0.75	12	11.5	Clear	Clear	None
1700	450	21.3	1152	5.2	-177	0.75	12	11.5	Clear	Clear	None
1705	450	21.3	1152	5.0	-176	0.75	12	11.5	Clear	Clear	None
1710	450	21.2	1153	5.0	-176	0.75	12	11.5	Clear	Clear	None
1715	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
45	3600		No								
QA/QC Samples									Signature 		



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PPMP-66-MW07

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GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 5.24 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/9/2022	
Well Depth (TOC) 29.5 feet		Location (Site) SWR	Begin Time 10:50	
Water Column Thickness 24.26 feet	Equipment Geotech Bladder Pump Geotech Geocontrol Pro	Laboratory Eurofins	Sample Depth 20.0	
Casing Diameter 2 inches		Sample Suite See COCs		
Casing Volume 3.88 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 66°	Meters YSI Pro Plus#2 Geotech Water Level Meter	Serial numbers Micro TPW Turbidimeter	
Well Elevation (TOC) 782.17 feet	Weather Conditions Sunny	Calibration Field 5/9/2022	Ferrous Iron (Fe II) (mg/L) N/A	
Groundwater Elevation 776.93 feet		Product Observed (yes/no) N/A	Persulfate N/A	H ₂ O ₂ N/A
Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit		Depth to product N/A		

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1055	0	19.5	3005	7.6	33	1.95	13	6.7	Clear	Clear	None
1100	500	19.7	2999	7.5	32	1.95	12	6.7	Clear	Clear	None
1105	500	19.4	3017	6.9	27	1.96	11	6.7	Clear	Clear	None
1110	500	19.5	3017	6.7	26	1.96	8	6.7	Clear	Clear	None
1115	500	19.6	3017	6.4	25	1.97	7	6.7	Clear	Clear	None
1120	500	19.8	3045	6.0	23	1.99	5	6.7	Clear	Clear	None
1125	500	19.9	3061	5.7	19	2.00	5	6.7	Clear	Clear	None
1130	500	19.8	3097	5.3	12	2.02	4	6.7	Clear	Clear	None
1135	500	19.9	3098	5.1	11	2.02	4	6.7	Clear	Clear	None
1140	500	19.9	3100	5.0	10	2.01	3	6.7	Clear	Clear	None
1145	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
50	4500		No								

QA/QC Samples

Signature



Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
(256) 847-0780

Station Name/Sample ID

PPMP-66-MW08

Project

McClellan

Project Number

21.094.22-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 4.17 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/10/2022	
Well Depth (TOC) 74.5 feet		Location (Site) SWR	Begin Time 10:30	
Water Column Thickness 70.33 feet	Equipment Geotech Bladder Pump Geotech Geocontrol Pro	Laboratory Eurofins	Sample Depth 66.0	
Casing Diameter 4 inches		Sample Suite See COCs		
Casing Volume 45.71 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 73°	Meters YSI Pro Plus#2 Geotech Water Level Meter	Serial numbers Micro TPW Turbidimeter	
Well Elevation (TOC) 780.66 feet	Weather Conditions Sunny	Calibration 5/10/2022	Ferrous Iron (Fe II) (mg/L) N/A	
Groundwater Elevation 776.49 feet			Persulfate N/A	H ₂ O ₂ N/A
Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit		Product Observed (yes/no) N/A	Depth to product N/A	

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1030	0	20.9	1099	5.9	29	1.14	4	6.6	Clear	Clear	None
1035	625	20.7	2113	4.5	-6	1.28	4	6.7	Clear	Clear	None
1040	625	20.8	2227	1.3	-27	1.45	4	6.8	Clear	Clear	None
1045	625	21.3	2220	0.8	-36	1.45	5	6.9	Clear	Clear	None
1050	625	21.7	2215	0.6	-44	1.44	6	6.9	Clear	Clear	None
1055	625	21.7	2199	0.5	-48	1.43	6	6.9	Clear	Clear	None
1100	625	21.7	2145	0.4	-49	1.42	6	6.9	Clear	Clear	None
1105	625	21.8	2086	0.4	-50	1.41	6	6.9	Clear	Clear	None
1110	625	21.8	2059	0.4	-50	1.36	5	6.9	Clear	Clear	None
1115	625	21.8	2036	0.4	-50	1.31	5	6.9	Clear	Clear	None
1120	625	21.9	2005	0.4	-49	1.29	5	6.9	Clear	Clear	None
1125	Collect Sample										
Total Time (min.) 55	Total Volume Removed 6250	Well pumped dry (yes/no) No		Notes							

QA/QC Samples

Signature



Matrix Environmental Services
283 Rucker Street
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PPMP-66-MW11

Project

McClellan

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21.094.22-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 3.89 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/9/2022
Well Depth (TOC) 85 feet		Location (Site) SWR	Begin Time 9:35
Water Column Thickness 81.11 feet	Equipment Geotech Bladder Pump Geotech Geocontrol Pro	Laboratory Eurofins	Sample Depth 73.0
Casing Diameter 2 inches		Sample Suite See COCs	
Casing Volume 12.98 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 63°	Meters YSI Pro Plus #2 Geotech Water Level Meter Microw TPW Turbidimeter	Serial numbers
Well Elevation (TOC) 780.89 feet	Weather Conditions Sunny	Calibration Field 5/9/2022	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 777 feet		Product Observed (yes/no) N/A	Persulfate N/A
Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit		Depth to product N/A	

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
0935	0	19.2	243	6.6	103	0.16	14	6.6	Clear	Clear	None
0940	625	18.8	283	7.2	48	0.18	12	7.0	Clear	Clear	None
0945	625	19.3	284	7.0	29	0.18	9	7.0	Clear	Clear	None
0950	625	19.3	285	6.8	13	0.19	7	7.1	Clear	Clear	None
0955	625	19.4	285	6.5	-1	0.19	7	7.2	Clear	Clear	None
1000	625	19.4	284	6.3	-13	0.18	7	7.2	Clear	Clear	None
1005	625	19.4	284	5.8	-21	0.18	7	7.2	Clear	Clear	None
1010	625	19.3	284	5.5	-27	0.18	7	7.2	Clear	Clear	None
1015	625	19.4	283	5.4	-25	0.18	6.8	7.2	Clear	Clear	None
1020	625	19.3	283	5.2	-24	0.28	6.7	7.2	Clear	Clear	None
1025	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
50	5625		No								
QA/QC Samples									Signature 		



Matrix Environmental Services
283 Rucker Street
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PPMP-66-MW13

Project

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21.094.22-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 4.53 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/9/2022
Well Depth (TOC) 75 feet		Location (Site) SWR	Begin Time 11:55
Water Column Thickness 70.47 feet	Equipment Geotech Bladder Pump Geotech Geocontrol Pro	Laboratory Eurofins	Sample Depth 67.0
Casing Diameter 2 inches		Sample Suite See COCs	
Casing Volume 11.28 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 69°	Meters YSI Pro Plus #2 Geotech Water Level Meter Micro TPW Turbidimeter	Serial numbers
Well Elevation (TOC) 781.65 feet	Weather Conditions Sunny	Calibration Field 5/9/2022	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 777.12 feet		Product Observed (yes/no) N/A	Persulfate N/A
Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit		Depth to product N/A	

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1200	0	20.7	820	7.6	-12	0.53	10	7.3	Clear	Clear	None
1205	625	24.0	1198	7.1	-37	0.78	6	7.3	Clear	Clear	None
1210	625	23.2	1460	7.1	-80	0.94	5	7.3	Clear	Clear	None
1215	625	23.0	1432	6.7	-94	0.92	5	7.2	Clear	Clear	None
1220	625	23.2	1313	6.2	-106	0.84	4	7.2	Clear	Clear	None
1225	625	22.9	1191	5.7	-114	0.77	4	7.2	Clear	Clear	None
1230	625	22.9	1143	5.6	-115	0.75	4	7.2	Clear	Clear	None
1235	625	22.9	1076	4.9	-116	0.72	3	7.2	Clear	Clear	None
1240	625	23.0	1045	4.6	-119	0.68	3	7.2	Clear	Clear	None
1245	625	23.1	1024	4.5	-122	0.66	3	7.3	Clear	Clear	None
1250	625	23.1	1015	4.4	-122	0.65	3	7.3	Clear	Clear	None
1255	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
55	6250		No								
QA/QC Samples									Signature 		



Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
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Station Name/Sample ID

PPMP-66-MW14

Project

McClellan

Project Number

21.094.22-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 4.82 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/9/2022
Well Depth (TOC) 22.5 feet		Location (Site) SWR	Begin Time 16:05
Water Column Thickness 17.68 feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory Eurofins	Sample Depth 15.0
Casing Diameter 2 inches		Sample Suite See COCs	
Casing Volume 2.83 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 76°	Meters YSI pro plus#2 Geotech Water Level Meter Micro TPW Turbidity mete	Serial numbers
Well Elevation (TOC) 781.7 feet	Weather Conditions Sunny	Calibration Field 5/9/2022	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 776.88 feet		Product Observed (yes/no) N/A	Persulfate N/A
Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit		Depth to product N/A	

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1605	0	20.2	2356	4.9	-35	1.53	72	6.7	Cloudy	Brown	None
1610	500	20.3	2375	4.4	-39	1.54	90	6.7	Cloudy	Brown	None
1615	500	20.2	2380	3.4	-43	1.55	75	6.7	Cloudy	Brown	None
1620	500	20.6	2383	3.1	-45	1.55	59	6.7	Cloudy	Brown	None
1625	500	20.8	2381	2.8	-47	1.55	63	6.7	Cloudy	Brown	None
1630	500	20.9	2384	2.9	-48	1.55	47	6.7	Cloudy	Brown	None
1635	500	21.1	2375	2.8	-49	1.54	31	6.8	Cloudy	Clear	None
1640	500	21.3	2381	2.7	-51	1.55	29	6.8	Clear	Clear	None
1645	500	21.5	2385	2.6	-52	1.55	25	6.8	Clear	Clear	None
1650	Collect Sample										
Total Time (min.) 45	Total Volume Removed 4,000	Well pumped dry (yes/no) No			Notes						

QA/QC Samples

Signature



Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
(256) 847-0780

Station Name/Sample ID

PPMP-66-MW16

Project

McClellan

Project Number

21.094.22-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 4.34 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/10/2022
Well Depth (TOC) 13 feet		Location (Site) SWR	Begin Time 9:20
Water Column Thickness 8.66 feet	Equipment Geotech Bladder Pump Geotech Geocontrol Pro	Laboratory Eurofins	Sample Depth 8.0
Casing Diameter 2 inches		Sample Suite See COCs	
Casing Volume 1.39 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 68°	Meters YSI Pro Plus #2 Geotech Water Level Meter Micro TPW Turbidimeter	Serial numbers
Well Elevation (TOC) 780.47 feet	Weather Conditions Sunny	Calibration Field 5/10/2022	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 776.13 feet		Product Observed (yes/no) N/A	Persulfate N/A
Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit		Depth to product N/A	

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
0920	0	20.0	567	3.8	-17	0.37	5	6.4	Clear	Clear	None
0925	250	20.0	567	1.9	-19	0.37	4	6.4	Clear	Clear	None
0930	250	20.7	5563	1.2	-16	0.37	5	6.4	Clear	Clear	None
0935	250	21.4	559	0.8	-13	0.36	5	6.4	Clear	Clear	None
0940	250	22.1	547	0.6	3	0.36	5	6.4	Clear	Clear	None
0945	250	22.3	545	0.5	9	0.35	5	6.4	Clear	Clear	None
0950	250	22.0	538	0.5	18	0.35	5	6.4	Clear	Clear	None
0955	250	22.1	530	0.4	29	0.34	5	6.3	Clear	Clear	None
1000	250	22.3	529	0.4	28	0.34	5	6.3	Clear	Clear	None
1005	250	22.7	526	0.4	29	0.34	5	6.3	Clear	Clear	None
1010	250	22.9	524	0.4	31	0.34	5	6.3	Clear	Clear	None
1015	Collect Sample										
Total Time (min.) 55	Total Volume Removed 2500	Well pumped dry (yes/no) No		Notes							

QA/QC Samples

Signature



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Station Name/Sample ID

PPMP-66-MW17

Project

McClellan

Project Number

21.094.22-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 4.24 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/9/2022
Well Depth (TOC) 20 feet		Location (Site) SWR	Begin Time 15:05
Water Column Thickness 15.76 feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory Eurofins	Sample Depth 14.75
Casing Diameter 2 inches		Sample Suite See COCs	
Casing Volume 2.52 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 76°	Meters YSI Pro Plus #2 Geotech Water Level Meter	Serial numbers Micro TPW Turbidity Meter
Well Elevation (TOC) 781.29 feet	Weather Conditions Sunny	Calibration Field 5/9/2022	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 777.05 feet			Persulfate N/A
Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit		Product Observed (yes/no) N/A	Depth to product N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1505	0	21.8	860	7.4	49	0.56	18	7.0	Clear	Clear	None
1510	550	22.3	867	6.8	36	0.57	18	7.0	Clear	Clear	None
1515	550	21.8	845	6.1	-38	0.55	19	7.1	Clear	Clear	None
1520	550	21.7	839	6.0	-44	0.54	20	7.1	Clear	Clear	None
1525	550	21.6	833	5.9	-59	0.54	18	7.1	Clear	Clear	None
1530	550	21.6	827	5.5	-71	0.54	17	7.1	Clear	Clear	None
1535	550	21.6	822	5.3	-78	0.53	16	7.1	Clear	Clear	None
1540	550	21.7	817	5.2	-80	0.53	15	7.1	Clear	Clear	None
1545	550	21.6	813	5.0	-81	0.53	15	7.1	Clear	Clear	None
1550	550	21.6	807	4.9	-82	0.53	15	7.1	Clear	Clear	None
1555	Collect Sample										
Total Time (min.)	Total Volume Removed		Well pumped dry (yes/no)			Notes					
50	4,950		No								
QA/QC Samples									Signature 		



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Station Name/Sample ID

PPMP-66-MW18R

Project

McClellan

Project Number

21.094.22-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 3.29 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/9/2022
Well Depth (TOC) 15 feet		Location (Site) SWR	Begin Time 13:55
Water Column Thickness 11.71 feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory Eurofins	Sample Depth 9.5
Casing Diameter 2 inches		Sample Suite See COCs	
Casing Volume 1.87 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 74°	Meters YSI Pro Plus #2 Geotech Water Level Meter Micro TPW Turbidity Mete	Serial numbers
Well Elevation (TOC) 781.25 feet	Weather Conditions Sunny	Calibration Field 5/9/2022	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 777.96 feet		Product Observed (yes/no) N/A	Persulfate N/A
Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit		Depth to product N/A	

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1355	0	19.3	553	8.1	55	0.36	29	6.8	Cloudy	White	None
1400	600	19.6	556	8.0	37	0.36	21	6.9	Clear	Clear	None
1405	600	19.6	554	7.6	30	0.36	10	6.9	Clear	Clear	None
1410	600	19.5	546	4.1	29	0.36	8	7.9	Clear	Clear	None
1415	600	19.4	545	1.1	24	0.35	7	7.0	Clear	Clear	None
1420	600	19.7	546	0.5	22	0.35	6	7.0	Clear	Clear	None
1425	600	19.7	548	0.5	21	0.36	5	7.1	Clear	Clear	None
1430	600	19.9	549	0.4	21	0.36	5	7.1	Clear	Clear	None
1435	600	19.8	551	0.4	21	0.36	5	7.1	Clear	Clear	None
1440	Collect Sample										
Total Time (min.) 45	Total Volume Removed 4,800	Well pumped dry (yes/no) No		Notes							

QA/QC Samples

Signature



Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
(256) 847-0780

Station Name/Sample ID

PPMP-66-MW22

Project

McClellan

Project Number

21.094.22-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 3.91 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/10/2022
Well Depth (TOC) 25 feet		Location (Site) SWR	Begin Time 8:20
Water Column Thickness 21.09 feet	Equipment Geotech Bladder Pump Geotech Geocontrol Pro	Laboratory Eurofins	Sample Depth 20.00
Casing Diameter 2 inches		Sample Suite See COCs	
Casing Volume 3.37 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 64°	Meters YSI Pro Plus #2 Geotech Water Level Meter Micro TPW Turbidimeter	Serial numbers
Well Elevation (TOC) 780.44 feet	Weather Conditions Sunny	Calibration Field 5/10/2022	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 776.53 feet		Product Observed (yes/no) N/A	Persulfate N/A
Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit		Depth to product N/A	

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
0820	0	18.4	382	8.4	-80	0.25	20	6.7	Clear	Clear	None
0825	375	18.5	383	8.4	-98	0.25	16	6.7	Clear	Clear	None
0830	375	18.6	389	8.3	-102	0.25	15	6.8	Clear	Clear	None
0835	375	18.7	409	7.8	-46	0.27	14	6.9	Clear	Clear	None
0840	375	18.9	424	7.5	-49	0.28	12	7.0	Clear	Clear	None
0845	375	18.9	429	7.3	-51	0.28	12	7.0	Clear	Clear	None
0850	375	18.9	434	7.3	-52	0.28	11	7.0	Clear	Clear	None
0855	375	19.1	442	7.2	-50	0.29	11	7.1	Clear	Clear	None
0900	375	19.1	446	7.1	-49	0.29	10	7.1	Clear	Clear	None
0905	Collect Sample										
Total Time (min.) 45	Total Volume Removed 3000	Well pumped dry (yes/no) No		Notes							

QA/QC Samples

Signature



Matrix Environmental Services
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Station Name/Sample ID

PPMP-66-MW23R

Project

McClellan

Project Number

21.094.22-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 3.91 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/10/2022
Well Depth (TOC) 30 feet	Equipment Geotech Bladder Pump Geotech Geocontrol Pro	Location (Site) SWR	Begin Time 13:50
Water Column Thickness 26.09 feet	Temperature (°F) 80°	Laboratory Eurofins	Sample Depth 25.0
Casing Diameter 2 inches	Weather Conditions Sunny	Sample Suite See COCs	
Casing Volume 4.17 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Meters YSI Pro Plus #2 GeotechWater Level Meter Micro TPW Turbidity Mete	Serial numbers
Well Elevation (TOC) 780.87 feet		Calibration Field 5/10/2022	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 776.96 feet		Product Observed (yes/no) N/A	Persulfate N/A
			H ₂ O ₂ N/A
			Depth to product N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1350	0	22.0	1922	6.1	-152	1.25	11	11.5	Clear	Clear	None
1355	375	23.8	2023	3.0	-214	1.31	12	11.7	Clear	Clear	None
1400	375	24.0	2027	2.0	-244	1.32	13	11.7	Clear	Clear	None
1405	375	23.8	2030	1.8	-268	1.32	13	11.8	Clear	Clear	None
1410	375	23.8	2030	1.5	-275	1.32	14	11.8	Clear	Clear	None
1415	375	24.3	2024	1.2	-280	1.31	14	11.8	Clear	Clear	None
1420	375	24.3	2024	1.1	-282	1.32	15	11.8	Clear	Clear	None
1425	375	24.2	2024	1.0	-285	1.31	15	11.8	Clear	Clear	None
1430	Collect Sample										
Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)				Notes					
40	2625	No									
QA/QC Samples									Signature 		



Matrix Environmental Services
283 Rucker Street
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Station Name/Sample ID

PPMP-66-MW24R

Project

McClellan

Project Number

21.094.22-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 4.43 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 5/10/2022
Well Depth (TOC) 35 feet		Location (Site) SWR	Begin Time 15:00
Water Column Thickness 30.57 feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory Eurofins	Sample Depth 30.0
Casing Diameter 2 inches		Sample Suite See COCs	
Casing Volume 4.89 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 82°	Meters YSI Pro Plus#2 Geotech Water Level Meter Micro TPW Turbidity Mete	Serial numbers
Well Elevation (TOC) 781.2 feet	Weather Conditions Sunny	Calibration Field 5/10/2022	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 776.77 feet		Product Observed (yes/no) N/A	Persulfate N/A
Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit		Depth to product N/A	

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1500	0	23.4	908	6.2	-81	0.60	34	7.4	Clear	Clear	None
1505	375	23.8	921	6.1	-106	0.60	31	7.4	Clear	Clear	None
1510	375	25.0	928	5.6	-119	0.60	35	7.4	Cloudy	Clear	None
1515	375	25.1	954	5.3	-124	0.62	39	7.3	Cloudy	Clear	None
1520	375	25.2	978	5.2	-128	0.64	46	7.3	Cloudy	Clear	None
1525	375	24.5	1027	4.9	-135	0.67	39	7.3	Cloudy	Clear	None
1530	375	24.9	1103	4.8	-126	0.73	32	7.2	Clear	Clear	None
1535	375	24.9	1160	4.7	-125	0.75	27	7.2	Clear	Clear	None
1540	375	25.2	1167	4.6	-125	0.76	26	7.2	Clear	Clear	None
1545	375	25.4	1170	4.5	-124	0.77	26	7.3	Clear	Clear	None
1550	Collect Sample										

Total Time (min.) 50	Total Volume Removed 3375	Well pumped dry (yes/no) No	Notes
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QA/QC Samples	Signature
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Matrix Environmental Services
283 Rucker Street
Anniston, Alabama 36205
(256) 847-0780
(256) 847-0905

Project Name

McClellan

Project Number

22.094.23-22.1

GROUNDWATER LEVELS

Field Personnel

Abernathy/Tulley

Measuring Equipment

Solinst Water Level Meter

Date

10/24/2022

Conditions

Well ID	Casing Diameter	Date	Time	Depth to Water (feet)	Well Depth (feet)	Water Column (feet)	Initials
PPMP-66-MW01	2	10/24/2022	10:03	7.91	26.03	18.12	DA
PPMP-66-MW02RR	2	10/24/2022	09:58	5.61	23.50	17.89	JT
PPMP-66-MW03	2	10/24/2022	09:40	6.83	28.00	21.17	DA
PPMP-66-MW04	2	10/24/2022	09:22	7.92	26.50	18.58	JT
PPMP-66-MW06R	2	10/24/2022	09:55	6.41	27.80	21.39	JT
PPMP-66-MW07	2	10/24/2022	09:40	7.58	28.65	21.07	JT
PPMP-66-MW08	4	10/24/2022	09:53	6.49	73.90	67.41	DA
PPMP-66-MW09	4	10/24/2022	09:43	6.65	74.75	68.10	DA
PPMP-66-MW10	4	10/24/2022	09:30	9.40	77.41	68.01	JT
PPMP-66-MW11	4	10/24/2022	09:35	6.16	84.35	78.19	JT
PPMP-66-MW13	4	10/24/2022	09:38	7.14	74.03	66.89	JT
PPMP-66-MW14	2	10/24/2022	09:44	7.50	20.71	13.21	JT
PPMP-66-MW16	2	10/24/2022	09:49	6.52	12.75	6.23	DA
PPMP-66-MW17	2	10/24/2022	09:50	6.91	17.71	10.80	JT
PPMP-66-MW18R	2	10/24/2022	09:53	6.69	15.00	8.31	JT
PPMP-66-MW21	2	10/24/2022	09:51	5.29	14.40	9.11	DA
PPMP-66-MW22	2	10/24/2022	09:46	6.24	24.65	18.41	DA
PPMP-66-MW23R	2	10/24/2022	10:03	6.65	29.25	22.60	JT
PPMP-66-MW24R	2	10/24/2022	10:00	6.88	34.15	27.27	JT



Matrix Environmental Services
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Station Name/Sample ID

PPMP-66-MW01

Project

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Project Number

22.094.23-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 7.97 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 10/25/2022
Well Depth (TOC) 24 feet		Location (Site) SWR	Begin Time 0815
Water Column Thickness 16.03 feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory Eurofins	Sample Depth 16.5
Casing Diameter 2 inches		Sample Suite See COCs	
Casing Volume 2.56 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 59°	Meters YSI pro plus#2 Geotech Water Level Meter Micro TPW Turbidimeter	Serial numbers
Well Elevation (TOC) 782.12 feet	Weather Conditions Overcast	Calibration Field 10/25/2022	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 774.15 feet		Product Observed (yes/no) N/A	Persulfate N/A
Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit		Depth to product N/A	

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
0815	0	20.9	3080	1.2	-64	2.00	21	6.8	Clear	Clear	None
0820	375	21.0	3145	0.5	-72	2.05	24	6.9	Clear	Clear	None
0825	375	21.1	3152	0.3	-73	2.05	19	7.0	Clear	Clear	None
0830	375	21.2	3147	0.3	-71	2.05	17	7.0	Clear	Clear	None
0835	375	21.0	3134	0.3	-66	2.03	15	7.0	Clear	Clear	None
0840	375	20.8	3133	0.3	-64	2.03	14	7.0	Clear	Clear	None
0845	375	20.9	3123	0.3	-62	2.03	14	7.0	Clear	Clear	None
0850	375	21.1	3107	0.3	-60	2.02	13	7.0	Clear	Clear	None
0855	375	21.2	3098	0.3	-60	2.02	13	7.0	Clear	Clear	None
0900	Collect Sample										
Total Time (min.) 45	Total Volume Removed 3000	Well pumped dry (yes/no) No		Notes							

QA/QC Samples

Signature



Matrix Environmental Services
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(256) 847-0780

Station Name/Sample ID

PPMP-66-MW02RR

Project

McClellan

Project Number

22.094.23-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 5.61 feet	Sample Method Low Flow	Sampler J. Tulley	Date 10/26/2022
Well Depth (TOC) 23.55 feet		Location (Site) T-6	Begin Time 11:05
Water Column Thickness 17.94 feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory Eurofins	Sample Depth 20.0
Casing Diameter 2 inches		Sample Suite See COCs	
Casing Volume 2.87 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 56°	Meters YSI Pro Plus #2	Serial numbers Geotech Water Level Meter
Well Elevation (TOC) 780.37 feet	Weather Conditions Overcast	Calibration Field 10/26/2022	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 774.76 feet		Product Observed (yes/no) N/A	Persulfate N/A
Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit		Depth to product N/A	

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
11:20	0	20.5	3122	6.0	-19	2.03	151	7.1	Cloudy	Brown	None
11:25	375	20.5	3068	6.3	-6	2.00	147	7.1	Cloudy	Brown	None
11:30	375	20.3	3015	6.1	8	1.96	136	7.0	Cloudy	Brown	None
11:35	375	19.4	3034	5.2	22	1.97	124	7.0	Cloudy	Brown	None
11:40	375	19.3	3026	5.1	25	1.97	91	6.9	Cloudy	Brown	None
11:45	375	19.4	3011	2.5	34	1.96	34	6.8	Cloudy	Clear	None
11:50	375	19.2	3019	1.4	41	1.96	21	6.6	Clear	Clear	None
11:55	375	19.2	3012	1.3	42	1.96	21	6.6	Clear	Clear	None
12:00	375	20.0	3016	1.5	42	1.97	20	6.6	Clear	Clear	None
12:01	Collecting Sample Suite										

Total Time (min.) 40	Total Volume Removed 3000	Well pumped dry (yes/no) No	Notes
QA/QC Samples N/A			Signature



Matrix Environmental Services
283 Rucker Street
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Station Name/Sample ID

PPMP-66-MW04

Project

McClellan

Project Number

22.094.23-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 7.92 feet	Sample Method Low Flow	Sampler J. Tulley	Date 10/25/2022	
Well Depth (TOC) 24 feet		Location (Site) SWR	Begin Time 8:00	
Water Column Thickness 16.08 feet		Laboratory Eurofins	Sample Depth 15.0	
Casing Diameter 2 inches	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Sample Suite See COCs		
		Meters YSI pro plus#2		
		Serial numbers Geotech Water Level Meter Micro TPW Turbidimeter		
Casing Volume 2.57 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Overcast	Calibration Field 10/25/2022	Ferrous Iron (Fe II) (mg/L) N/A	
Well Elevation (TOC) 781.9 feet		Product Observed (yes/no) Not Applicable	Persulfate N/A	H ₂ O ₂ N/A
Groundwater Elevation 773.98 feet			Depth to product Not Applicable	
Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit				

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
8:25	0	21.1	2315	0.9	-60	1.51	9	7.0	Clear	Clear	None
8:30	600	21.0	2332	0.7	-71	1.51	10	7.0	Clear	Clear	None
8:35	600	20.7	2334	0.8	-87	1.52	7	7.0	Clear	Clear	None
8:40	600	20.7	2335	0.7	-89	1.52	6	7.0	Clear	Clear	None
8:45	600	20.5	2327	0.5	-96	1.51	3	7.0	Clear	Clear	None
8:50	600	20.9	2324	0.4	-100	1.51	4	7.0	Clear	Clear	None
8:55	600	20.9	2325	0.4	-101	1.51	3	7.0	Clear	Clear	None
9:00	600	20.9	2325	0.4	-102	1.51	3	7.0	Clear	Clear	None
9:05	600	21.1	2324	0.4	-102	1.51	3	7.0	Clear	Clear	None
9:06	Collecting Sample Suite										
	Fe 10-26-27										

Total Time (min.) 40	Total Volume Removed 4800	Well pumped dry (yes/no) No	Notes
QA/QC Samples N/A			Signature



Matrix Environmental Services
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Station Name/Sample ID

PPMP-66-MW06R

Project

McClellan

Project Number

22.094.23-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 6.42 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 10/26/2022	
Well Depth (TOC) 29 feet		Location (Site) SWR	Begin Time 8:00	
Water Column Thickness 22.58 feet		Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory Eurofins	Sample Depth 19.0
Casing Diameter 2 inches	Temperature (°F) 51°	Meters YSI Pro	Serial numbers	
Casing Volume 3.61 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4		Solinst Water Level Meter		
Well Elevation (TOC) 781.41 feet	Weather Conditions Overcast	Calibration Field	Ferrous Iron (Fe II) (mg/L) N/A	
Groundwater Elevation 774.99 feet		10/26/2022	Persulfate N/A	H ₂ O ₂ N/A
	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no) N/A	Depth to product N/A	

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
0805	0	16.1	987	3.4	19	0.66	27	11.3	Clear	Clear	None
0810	500	16.7	1024	2.0	-23	0.66	20	11.6	Clear	Clear	None
0815	500	16.9	1028	1.7	-41	0.67	12	11.7	Clear	Clear	None
0820	500	17.2	1032	1.4	-53	0.67	10	11.8	Clear	Clear	None
0825	500	17.2	1023	1.3	-56	0.67	9	11.9	Clear	Clear	None
0830	500	17.3	1019	1.2	-56	0.66	9	12.0	Clear	Clear	None
0835	500	17.2	1016	1.3	-55	0.66	9	12.0	Clear	Clear	None
0840	500	17.3	1013	1.3	-54	0.66	9	12.0	Clear	Clear	None
0845	Collect Sample										

Total Time (min.) 40	Total Volume Removed 3500	Well pumped dry (yes/no) No	Notes
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QA/QC Samples	Signature
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Station Name/Sample ID

PPMP-66-MW07

Project

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Project Number

22.094.23-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 7.58 feet	Sample Method Low Flow	Sampler J. Tulley	Date 10/25/2022
Well Depth (TOC) 29.5 feet		Location (Site) SWR	Begin Time 12:15
Water Column Thickness 21.92 feet	Equipment Geotech Bladder Pump Geotech Ceocontrol Pro	Laboratory Eurofins	Sample Depth 20.0
Casing Diameter 2 inches		Sample Suite See COCs	
Casing Volume 1.14 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 75	Meters YSI Pro Plus#2	Serial numbers Geotech Water Level Meter
Well Elevation (TOC) 782.17 feet	Weather Conditions Overcast	Calibration Field 10/25/2022	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 774.59 feet		Product Observed (yes/no) N/A	Persulfate N/A
Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit		Depth to product N/A	

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
12:30	0	23.2	2834	2.1	5	1.84	11	6.8	Clear	Clear	None
12:35	500	23.4	2837	1.0	17	1.85	12	6.9	Clear	Clear	None
12:40	500	24.1	2849	0.4	-2	1.85	11	6.8	Clear	Clear	None
12:45	500	24.0	2856	0.3	-6	1.86	11	6.8	Clear	Clear	None
12:50	500	24.0	2862	0.3	-8	1.87	7	6.8	Clear	Clear	None
12:55	500	23.8	2883	0.3	-9	1.88	6	6.8	Clear	Clear	None
13:00	500	23.8	2913	0.2	-10	1.90	5	6.8	Clear	Clear	None
13:05	500	23.9	2913	0.2	-10	1.90	5	6.8	Clear	Clear	None
13:10	500	23.9	2917	0.2	-10	1.90	5	6.8	Clear	Clear	None
13:11	Collecting Sample Suite										
D.R. 11-25-22											

Total Time (min.) 40	Total Volume Removed 4000	Well pumped dry (yes/no) No	Notes
QA/QC Samples N/A			Signature



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Station Name/Sample ID

PPMP-66-MW08

Project

McClellan

Project Number

22.094.23-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 6.5 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 10/26/2022	
Well Depth (TOC) 74.5 feet		Location (Site) SWR	Begin Time 12:20	
Water Column Thickness 68 feet	Equipment Geotech Bladder Pump Geotech Geocontrol Pro	Laboratory Eurofins	Sample Depth 66.0	
		Sample Suite See COCs		
Casing Diameter 4 inches	Temperature (°F) 56	Meters YSI Pro Plus#2	Serial numbers	
Casing Volume 44.20 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Overcast	Geotech Water Level Meter Micro TPW Turbidimeter		
Well Elevation (TOC) 780.66 feet		Calibration 10/26/2022	Ferrous Iron (Fe II) (mg/L) N/A	
			Persulfate N/A	H ₂ O ₂ N/A
Groundwater Elevation 774.16 feet	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no) N/A	Depth to product N/A	

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1225	0	19.8	906	7.4	16	0.87	12	7.4	Clear	Clear	None
1230	625	20.0	2170	7.1	-30	1.42	12	7.2	Clear	Clear	None
1235	625	20.2	2191	6.6	-31	1.42	11	7.1	Clear	Clear	None
1240	625	20.4	2193	6.5	-31	1.42	9	7.1	Clear	Clear	None
1245	625	20.2	2186	6.3	-29	1.42	8	7.1	Clear	Clear	None
1250	625	20.1	2167	6.1	-28	1.41	8	7.1	Clear	Clear	None
1255	625	20.2	2129	5.9	-27	1.38	8	7.1	Clear	Clear	None
1300	625	20.3	2060	5.7	-25	1.32	7	7.0	Clear	Clear	None
1305	625	20.2	1925	5.5	-22	1.24	7	7.0	Clear	Clear	None
1310	625	20.2	1859	5.2	-22	1.21	7	7.0	Clear	Clear	None
1315	625	20.2	1807	5.0	-23	1.16	7	7.0	Clear	Clear	None
1320	625	20.5	1699	4.9	-24	1.09	7	7.0	Clear	Clear	None
Total Time (min.) 55	Total Volume Removed 6875	Well pumped dry (yes/no) No		Notes							

QA/QC Samples

Signature



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Station Name/Sample ID

PPMP-66-MW11

Project

McClellan

Project Number

22.094.23-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 6.16 feet	Sample Method Low Flow	Sampler J. Tulley	Date 10/25/2022
Well Depth (TOC) 85 feet		Location (Site) SWR	Begin Time 9:20
Water Column Thickness 78.84 feet	Equipment Geotech Bladder Pump Geotech Geocontrol Pro	Laboratory Eurofins	Sample Depth 73.0
Casing Diameter 2 inches		Sample Suite See COCs	
Casing Volume 12.61 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 65°	Meters YSI Pro Plus #2	Serial numbers Geotech Water Level Meter Microw TPW Turbidimeter
Well Elevation (TOC) 780.89 feet	Weather Conditions Overcast	Calibration Field 10/25/2022	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 774.73 feet		Product Observed (yes/no) N/A	Persulfate N/A
Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit		Depth to product N/A	

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
9:30	0	21.5	256	1.1	10	0.17	12	7.3	Clear	Clear	None
9:35	500	21.5	255	1.1	10	0.17	13	7.3	Clear	Clear	None
9:40	500	22.6	254	1.8	15	0.17	5	7.3	Clear	Clear	None
9:45	500	22.5	254	1.8	15	0.17	6	7.3	Clear	Clear	None
9:50	500	22.4	254	1.3	17	0.17	5	7.3	Clear	Clear	None
9:55	500	22.5	253	1.1	21	0.16	4	7.2	Clear	Clear	None
10:00	500	22.6	253	1.1	21	0.16	3	7.2	Clear	Clear	None
10:05	500	22.5	253	1.0	20	0.16	4	7.2	Clear	Clear	None
10:06	Collecting Sample Suite										

Total Time (min.) 35	Total Volume Removed 3500	Well pumped dry (yes/no) No	Notes
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QA/QC Samples Dup404	Signature J. Tulley
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Station Name/Sample ID

PPMP-66-MW13

Project

McClellan

Project Number

22.094.23-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 7.14 feet	Sample Method Low Flow	Sampler J. Tulley	Date 10/25/2022
Well Depth (TOC) 75 feet		Location (Site) SWR	Begin Time 10:30
Water Column Thickness 67.86 feet	Equipment Geotech Bladder Pump	Laboratory Eurofins	Sample Depth 67.0
Casing Diameter 2 inches		Sample Suite See COCs	
Casing Volume 10.86 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 70°	Meters YSI Pro Plus	Serial numbers Geotech Water Level Meter Geotech Geocontrol PRO
Well Elevation (TOC) 781.65 feet	Weather Conditions Overcast	Calibration Field 10/25/2022	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 774.51 feet		Product Observed (yes/no) N/A	Persulfate N/A
	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Depth to product N/A	H ₂ O ₂ N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
10:45	0	21.8	876	0.6	-91	0.57	14	7.5	Clear	Clear	None
10:50	500	22.0	861	0.7	-91	0.56	15	7.5	Clear	Clear	None
10:55	500	22.6	821	0.7	-86	0.53	14	7.5	Clear	Clear	None
11:00	500	22.7	797	0.6	-85	0.52	17	7.5	Clear	Clear	None
11:05	500	22.6	713	0.7	-73	0.46	14	7.5	Clear	Clear	None
11:10	500	22.5	696	0.7	-69	0.46	12	7.5	Clear	Clear	None
11:15	500	22.6	649	0.9	-59	0.42	12	7.5	Clear	Clear	None
11:20	500	22.1	543	1.3	-34	0.35	10	7.4	Clear	Clear	None
11:25	500	22.1	532	1.4	-28	0.34	9	7.4	Clear	Clear	None
11:30	500	22.0	519	1.3	-25	0.33	11	7.4	Clear	Clear	None
11:35	500	21.8	410	2.0	9	0.26	9	7.3	Clear	Clear	None
11:40	500	21.8	394	2.1	13	0.26	9	7.3	Clear	Clear	None

Total Time (min.) 75	Total Volume Removed 7500	Well pumped dry (yes/no) No	Notes
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QA/QC Samples N/A	Signature
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Station Name/Sample ID

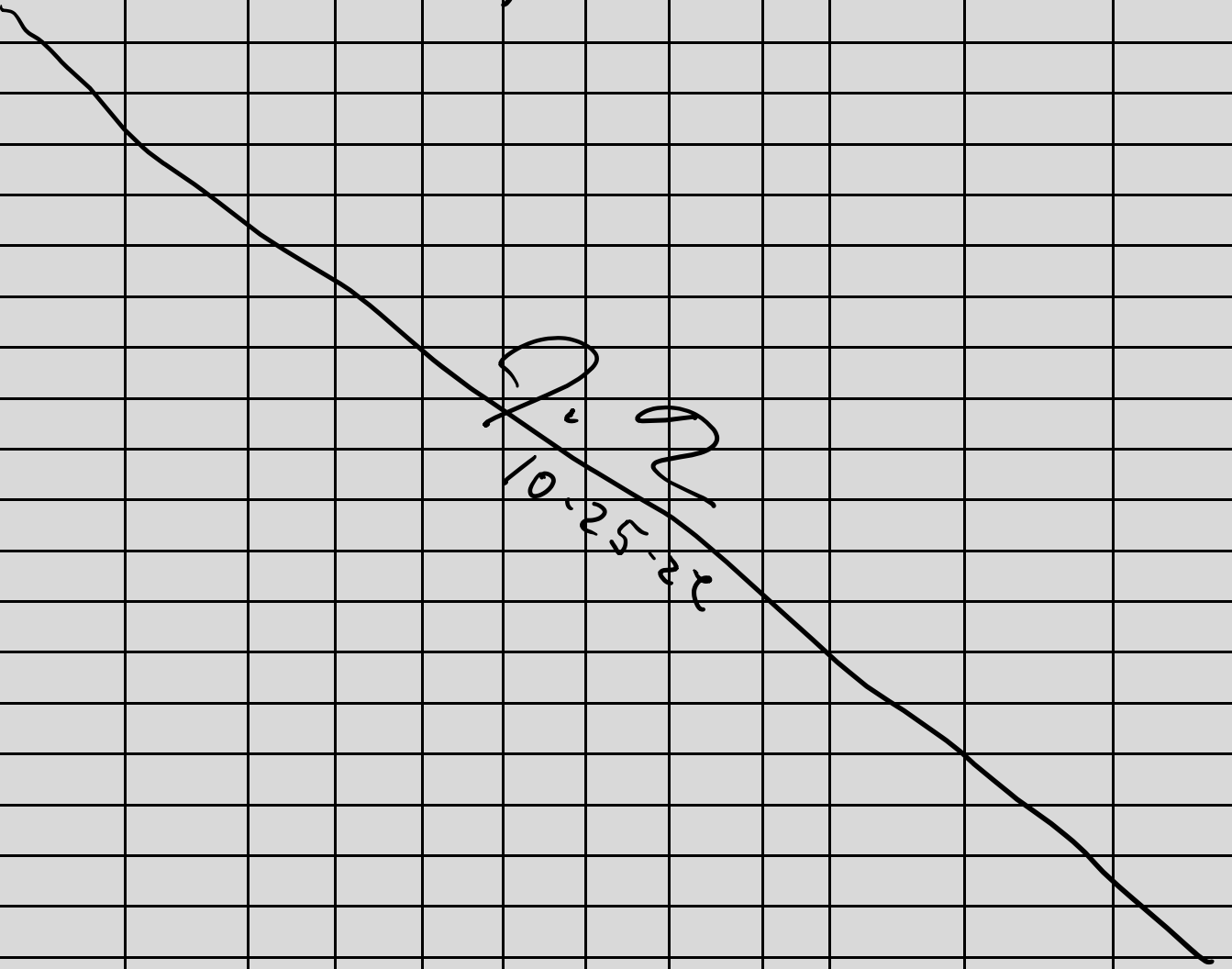
PPMP-66-MW13

Project

McClellan

Date

10/25/2022

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
11:45	500	21.8	373	2.3	19	0.24	7	7.3	Clear	Clear	None
11:50	500	21.8	332	2.3	32	0.21	8	7.3	Clear	Clear	None
11:55	500	21.8	332	2.3	35	0.21	7	7.3	Clear	Clear	None
12:00	500	21.7	332	2.3	36	0.21	8	7.3	Clear	Clear	None
12:01	~~~~~ Collecting Sample Suite ~~~~~										
											

Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)	Notes
75	7500	No	

QA/QC Samples	Signature
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Matrix Environmental Services
283 Rucker Street
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Station Name/Sample ID

PPMP-66-MW14

Project

McClellan

Project Number

22.094.23-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 7.38 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 10/25/2022
Well Depth (TOC) 22.5 feet		Location (Site) SWR	Begin Time 9:20
Water Column Thickness 15.12 feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory Eurofins	Sample Depth 15.0
		Sample Suite See COCs	
Casing Diameter 2 inches	Temperature (°F) 65°	Meters YSI pro plus#2	Serial numbers
Casing Volume 2.42 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Overcast	Geotech Water Level Meter Micro TPW Turbidimeter	
Well Elevation (TOC) 781.7 feet		Calibration Field 10/25/2022	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 774.32 feet	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no) N/A	Depth to product N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
0920	0	22.5	2186	4.5	-63	1.42	53	6.9	Cloudy	Brown	None
0925	500	22.5	2196	3.8	-64	1.42	53	6.9	Cloudy	Brown	None
0930	500	22.6	2193	3.7	-68	1.42	55	6.8	Cloudy	Brown	None
0935	500	22.7	2187	3.3	-72	1.42	56	6.8	Cloudy	Brown	None
0940	500	22.6	2178	3.0	-74	1.42	58	6.9	Cloudy	Brown	None
045	500	22.6	2157	2.8	-75	1.40	60	6.9	Cloudy	Brown	None
0950	500	22.7	2125	2.8	-76	1.65	67	6.9	Cloudy	Brown	None
0955	500	22.6	2079	2.6	-77	1.35	61	6.9	Cloudy	Brown	None
1000	500	22.9	2017	2.4	-78	1.31	61	6.9	Cloudy	Brown	None
1005	500	23.7	1884	2.3	-81	1.21	52	6.9	Cloudy	Brown	None
1010	500	23.8	1760	2.2	-82	1.14	43	6.9	Cloudy	Brown	None
1015	500	23.4	1705	2.1	-80	1.15	38	6.9	Cloudy	Brown	None
Total Time (min.) 55	Total Volume Removed 5,500	Well pumped dry (yes/no) No		Notes							

QA/QC Samples

Signature



Matrix Environmental Services
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Station Name/Sample ID

PPMP-66--MW16

Project

McClellan

Project Number

22.094.23-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 6.52 feet	Sample Method Low Flow	Sampler J. Tulley	Date 10/26/2022
Well Depth (TOC) 13 feet		Location (Site) SWR	Begin Time 10:00
Water Column Thickness 6.48 feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory Eurofins	Sample Depth 8.0
Casing Diameter 2 inches		Sample Suite See COCs	
Casing Volume 1.04 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 65°	Meters YSI pro plus#2	Serial numbers
Well Elevation (TOC) 780.47 feet		Weather Conditions Overcast	Geotech Water Level Meter Micro TPW Turbidity meter
Groundwater Elevation 773.95 feet	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit		Calibration Field 10/26/2022
		Product Observed (yes/no) N/A	Persulfate N/A
		Depth to product N/A	

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
10:15	0	19.7	806	1.2	-95	0.51	16	6.6	Clear	Clear	None
10:20	500	19.5	697	0.8	-95	0.45	17	6.5	Clear	Clear	None
10:25	500	18.5	697	0.5	-94	0.46	12	6.4	Clear	Clear	None
10:30	500	19.1	745	1.3	-101	0.49	9	6.5	Clear	Clear	None
10:35	500	19.5	768	0.8	-102	0.50	7	6.5	Clear	Clear	None
10:40	500	19.4	775	0.6	-102	0.50	6	6.5	Clear	Clear	None
10:45	500	19.4	776	0.7	-102	0.50	7	6.5	Clear	Clear	None
10:50	500	19.3	777	0.5	-102	0.50	7	6.5	Clear	Clear	None
10:51	Collecting Sample Suite										

Total Time (min.) 35	Total Volume Removed 3500	Well pumped dry (yes/no) No	Notes
QA/QC Samples			Signature J. Tulley



Matrix Environmental Services
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Station Name/Sample ID

PPMP-66-MW17

Project

McClellan

Project Number

22.094.23-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 6.9 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 10/25/2022
Well Depth (TOC) 20 feet		Location (Site) SWR	Begin Time 11:00
Water Column Thickness 13.1 feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory Eurofins	Sample Depth 14.75
Casing Diameter 2 inches		Sample Suite See COCs	
Casing Volume 2.10 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 75°	Meters YSI Pro Plus #2	Serial numbers Geotech Water Level Mete Micro TPW Turbidimeter
Well Elevation (TOC) 781.29 feet	Weather Conditions Overcast	Calibration Field 10/25/2022	Ferrous Iron (Fe II) (mg/L) N/A
Groundwater Elevation 774.39 feet		Product Observed (yes/no) N/A	Depth to product N/A
Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit			

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1100	0	23.6	877	7.6	-26	0.57	14	7.0	Clear	Clear	None
1105	500	24.0	881	6.7	-40	0.57	20	7.0	Clear	Clear	None
1110	500	23.7	879	6.5	-43	0.57	19	7.1	Clear	Clear	None
1115	500	23.3	868	6.2	-46	0.57	20	7.0	Clear	Clear	None
1120	500	23.1	853	6.1	-52	0.55	20	7.0	Clear	Clear	None
1125	500	22.9	837	5.8	-56	0.55	21	7.0	Clear	Clear	None
1130	500	22.7	828	5.6	-59	0.54	21	7.0	Clear	Clear	None
1135	500	22.9	823	5.5	-61	0.53	19	7.0	Clear	Clear	None
1140	500	23.0	820	5.4	-63	0.53	19	7.1	Clear	Clear	None
1145	Collect Sample										

Total Time (min.) 45	Total Volume Removed 4,000	Well pumped dry (yes/no) No	Notes
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QA/QC Samples	Signature
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Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
(256) 847-0780

Station Name/Sample ID

PPMP-66-MW18R

Project

McClellan

Project Number

22.094.23-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 6.69 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 10/25/2022	
Well Depth (TOC) 15 feet		Location (Site) SWR	Begin Time 12:05	
Water Column Thickness 8.31 feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory Eurofins	Sample Depth 9.5	
		Sample Suite See COCs		
Casing Diameter 2 inches	Temperature (°F) 76°	Meters YSI Pro Plus #2	Serial numbers	
Casing Volume 1.33 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Overcast	Geotech Water Level Meter Micro TPW Turbidimeter		
Well Elevation (TOC) 781.25 feet		Calibration Field 10/25/2022	Ferrous Iron (Fe II) (mg/L) N/A	
Groundwater Elevation 774.56 feet		Product Observed (yes/no) N/A	Depth to product N/A	
Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit				

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1205	0	21.8	632	1.3	82	0.41	32	7.0	Clear	Clear	None
1210	250	22.0	635	1.4	75	0.42	30	7.0	Clear	Clear	None
1215	250	22.2	637	1.3	69	0.42	30	7.1	Clear	Clear	None
1220	250	22.3	638	1.3	51	0.42	23	7.1	Clear	Clear	None
1225	250	22.3	639	1.2	24	0.42	18	7.1	Clear	Clear	None
1230	250	22.6	636	1.1	10	0.42	14	7.1	Clear	Clear	None
1235	250	23.1	638	1.0	2	0.42	14	7.2	Clear	Clear	None
1240	250	23.3	636	0.9	-9	0.42	13	7.2	Clear	Clear	None
1245	250	23.4	636	0.9	-14	0.42	12	7.2	Clear	Clear	None
1250	250	23.3	635	0.8	-18	0.41	11	7.2	Clear	Clear	None
1255	250	23.2	634	0.9	-19	0.41	11	7.2	Clear	Clear	None

1300

Collect Sample

Total Time (min.) 55	Total Volume Removed 2,500	Well pumped dry (yes/no) No	Notes
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QA/QC Samples

Signature



Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
(256) 847-0780

Station Name/Sample ID

PPMP-66-MW22

Project

McClellan

Project Number

22.094.23-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 6.24 feet	Sample Method Low Flow	Sampler J. Tulley	Date 10/26/2022
Well Depth (TOC) 25 feet		Location (Site) SWR	Begin Time 8:45
Water Column Thickness 18.76 feet	Equipment Geotech Bladder Pump Geotech Geocontrol Pro	Laboratory Eurofins	Sample Depth 20.0
Casing Diameter 2 inches		Sample Suite See COCs	
Casing Volume 3.00 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Temperature (°F) 60°	Meters YSI Pro Plus #2	Serial numbers
Well Elevation (TOC) 780.44 feet		Weather Conditions Overcast	Geotech Water Level Meter
Groundwater Elevation 774.2 feet	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit		Micro TPW Turbidity Mete
		Product Observed (yes/no) N/A	Calibration Field 10/26/2022
	Depth to product N/A		

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
9:00	0	20.1	479	0.9	-167	0.31	14	7.3	Clear	Clear	None
9:05	500	19.6	592	0.8	-177	0.38	8	7.3	Clear	Clear	None
9:10	500	19.9	595	0.9	-177	0.39	6	7.3	Clear	Clear	None
9:15	500	19.4	686	1.4	-161	0.45	8	7.3	Clear	Clear	None
9:20	500	19.3	689	1.3	-160	0.45	7	7.3	Clear	Clear	None
9:25	500	19.3	695	1.2	-158	0.46	5	7.3	Clear	Clear	None
9:30	500	19.7	712	0.6	-157	0.46	5	7.3	Clear	Clear	None
9:35	500	19.8	715	0.5	-158	0.47	4	7.3	Clear	Clear	None
9:40	500	19.7	716	0.5	-158	0.47	5	7.3	Clear	Clear	None
9:41	Collecting Sample Suite										
	JCT 10-26-22										

Total Time (min.) 40	Total Volume Removed 4000	Well pumped dry (yes/no) No	Notes
QA/QC Samples			Signature JCT



Matrix Environmental Services
283 Rucker Street
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(256) 847-0780

Station Name/Sample ID

PPMP-66-MW23R

Project

McClellan

Project Number

22.094.23-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC)	Sample Method	Sampler	Date
6.7 feet	Low Flow	D. Abernathy	10/26/2022
Well Depth (TOC)	Equipment	Location (Site)	Begin Time
30 feet	Geotech Bladder Pump Geotech Geocontrol Pro	SWR	10:45
Water Column Thickness		Laboratory	Sample Depth
23.3 feet		Eurofins	25.0
Casing Diameter	Temperature (°F)	Sample Suite	
2 inches	55°	See COCs	
Casing Volume	Weather Conditions	Meters	Serial numbers
3.73 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Overcast	YSI Pro Plus #2	GeotechWater Level Meter
Well Elevation (TOC)		Calibration	Ferrous Iron (Fe II) (mg/L)
780.87 feet		Field	N/A
Groundwater Elevation	Parameter Stabilization		Persulfate
774.17 feet	temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	10/26/2022	H ₂ O ₂
		Product Observed (yes/no)	Depth to product
		N/A	N/A

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
1055	0	18.5	1665	7.7	-165	1.09	35	12.1	Clear	Clear	None
1100	500	18.6	1692	7.4	-175	1.10	29	12.3	Clear	Clear	None
1105	500	18.5	1694	7.3	-180	1.10	22	12.3	Clear	Clear	None
1110	500	18.6	1645	7.0	-179	1.07	19	12.3	Clear	Clear	None
1115	500	18.7	1624	6.8	-177	1.05	16	12.3	Clear	Clear	None
1120	500	18.7	1611	6.6	-181	1.05	14	12.3	Clear	Clear	None
1125	500	18.6	1599	6.5	-180	1.04	12	12.3	Clear	Clear	None
1130	500	18.6	1602	6.3	-182	1.04	10	12.3	Clear	Clear	None
1135	500	18.7	1590	6.1	-183	1.03	10	12.3	Clear	Clear	None
1140	500	18.5	1594	6.0	-186	1.03	9	12.3	Clear	Clear	None
1145	Collect Sample										

Total Time (min.)	Total Volume Removed	Well pumped dry (yes/no)	Notes
50	4500	No	

QA/QC Samples	Signature



Matrix Environmental Services
283 Rucker Street
Anniston, AL 36205
(256) 847-0780

Station Name/Sample ID

PPMP-66-MW24R

Project

McClellan

Project Number

22.094.23-22.1

GROUNDWATER SAMPLING LOG

Groundwater Depth (TOC) 6.91 feet	Sample Method Low Flow	Sampler D. Abernathy	Date 10/26/2022	
Well Depth (TOC) 35 feet		Location (Site) SWR	Begin Time 9:15	
Water Column Thickness 28.09 feet	Equipment Geotech Bladder Pump Geotech Geocontrol PRO	Laboratory Eurofins	Sample Depth 30.0	
		Sample Suite See COCs		
Casing Diameter 2 inches	Temperature (°F) 52°	Meters YSI Pro Plus#2	Serial numbers	
Casing Volume 4.49 gallons 1"=x0.04 2"=x0.16 4"=x0.65 6"=x1.47 8"=x10.4	Weather Conditions Overcast	Geotech Water Level Meter Micro TPW Turbidimeter		
Well Elevation (TOC) 781.2 feet		Calibration Field 10/26/2022	Ferrous Iron (Fe II) (mg/L) N/A	
Groundwater Elevation 774.29 feet			Persulfate N/A	H ₂ O ₂ N/A
	Parameter Stabilization temp +/- 1° DO +/- 10% Turbidity +/- 10% cond +/- 3% ORP +/- 10mV pH +/- 0.1 unit	Product Observed (yes/no) N/A	Depth to product N/A	

Time	Volume removed (mL)	Temp (°C)	Cond (µS/cm)	DO (mg/L)	ORP (mV)	TDS (g/L)	Turbidity (NTU)	pH	Description		
									clarity	color	odor
0915	0	16.5	851	7.1	-86	0.55	33	8.0	Clear	Clear	None
0920	625	17.6	1040	5.3	-134	0.68	29	7.8	Clear	Clear	None
0925	625	17.9	1045	6.4	-129	0.68	31	7.8	Clear	Clear	None
0930	625	18.6	1062	6.1	-142	0.69	30	7.7	Clear	Clear	None
0935	625	18.0	1056	5.4	-122	0.69	29	7.6	Clear	Clear	None
0940	625	18.0	1067	5.9	-115	0.70	27	7.5	Clear	Clear	None
0945	625	18.0	1112	4.8	-101	0.73	24	7.4	Clear	Clear	None
0950	625	17.7	1144	4.6	-96	0.74	23	7.4	Clear	Clear	None
0955	625	17.7	1190	4.2	-89	0.77	23	7.3	Clear	Clear	None
1000	625	17.8	1202	4.1	-84	0.79	23	7.3	Clear	Clear	None
1005	625	17.9	1216	3.9	-82	0.79	23	7.3	Clear	Clear	None

1010

Collect Sample

Total Time (min.) 55	Total Volume Removed 6250	Well pumped dry (yes/no) No	Notes
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QA/QC Samples
MS/MSD

Signature