MONITORING AND MITIGATION PLAN FOR SURFACE WATER AND GROUNDWATER

PARKDALE QUARRY

Prepared for

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1. INTRODUCTION

The following monitoring and mitigation plan (MMP) has been developed to meet the requirements of the July 24, 2020 Record of Decision (BLM 2020a) that authorizes Martin Marietta to expand the Parkdale Quarry onto 1,460 acres of public land (BLM Mining Area) managed by the Bureau of Land Management (BLM) Royal Gorge Field Office (RGFO). The BLM Ming Area is made of an approximate 700-acre disturbance/active mining area (Disturbance Area) bordered on the east, north, and west by an approximate 760-acre buffer area where mining-related disturbance will not occur (Buffer Area). The existing quarry and expansion area are located in Fremont County, Colorado, about nine miles northwest of Cañon City (Figure 1). Per the Record of Decision, the MMP is to be developed in cooperation with BLM and the Colorado Department of Public Health and Environment (CDPHE) to address the following topics:

1. Mitigation of potential mining-related impacts to surface water and groundwater quality including monitoring to collect data that will be used to support adaptive management of mining practices if needed.
2. Mitigation of potential impacts to groundwater availability including monitoring to detect changes in groundwater levels that could adversely affect water supplies near the mineral sale area. In the event that potentially adverse impacts are detected, the MMP will specify procedures to:
    a. Initiate a focused analysis in coordination with applicable regulatory agencies to determine if the impacts are related to mining activities at the Parkdale Quarry.
    b. Initiate actions for timely replacement of mining-affected water supplies.
3. Mitigation of potential impacts to surface water flows including monitoring to detect reductions in stream and spring flow that may be attributable to mining. In the event that potentially adverse impacts are detected, the MMP will specify procedures to:
    a. Initiate a focused analysis in coordination with applicable regulatory agencies to determine if the impacts are related to mining activities at the Parkdale Quarry.
    b. Prepare specific mitigation plans in coordination with Bureau of Land Management (BLM) to protect, augment, or replace mining-affected resources.

2. DESCRIPTION OF OPERATIONS

The Parkdale Quarry has operated since 1997 and produces construction aggregate, railroad ballast, and rip rap from alluvial deposits and bedrock located on private land north of the Arkansas River (Figure 2). The alluvial deposits were largely depleted in 2019 and current production occurs from a 65-acre area of granitic bedrock near the northeast corner of the private land. Water for the quarry is obtained from groundwater that collects in the completed alluvial pit and is augmented, as needed, by water from Tallahassee Creek under a state-approved withdrawal permit. The operation currently uses about 1,500 gpm of water at the wash plant, most of which is recycled. About 10 gpm is also applied to haul roads for dust control. Water usage for the quarry expansion will be similar to current usage and will be obtained from the same sources.

The quarry expansion on BLM land will be developed in five phases that progress from northwest to southeast over the projected 100-year mine life. The phases include the West Pit, West Central Pit, Central Pit, East Central Pit, and the East Pit (Figure 2). Development of the West Pit is scheduled to begin in 2021 or 2022, with production mining starting in 2022 or 2023 using standard

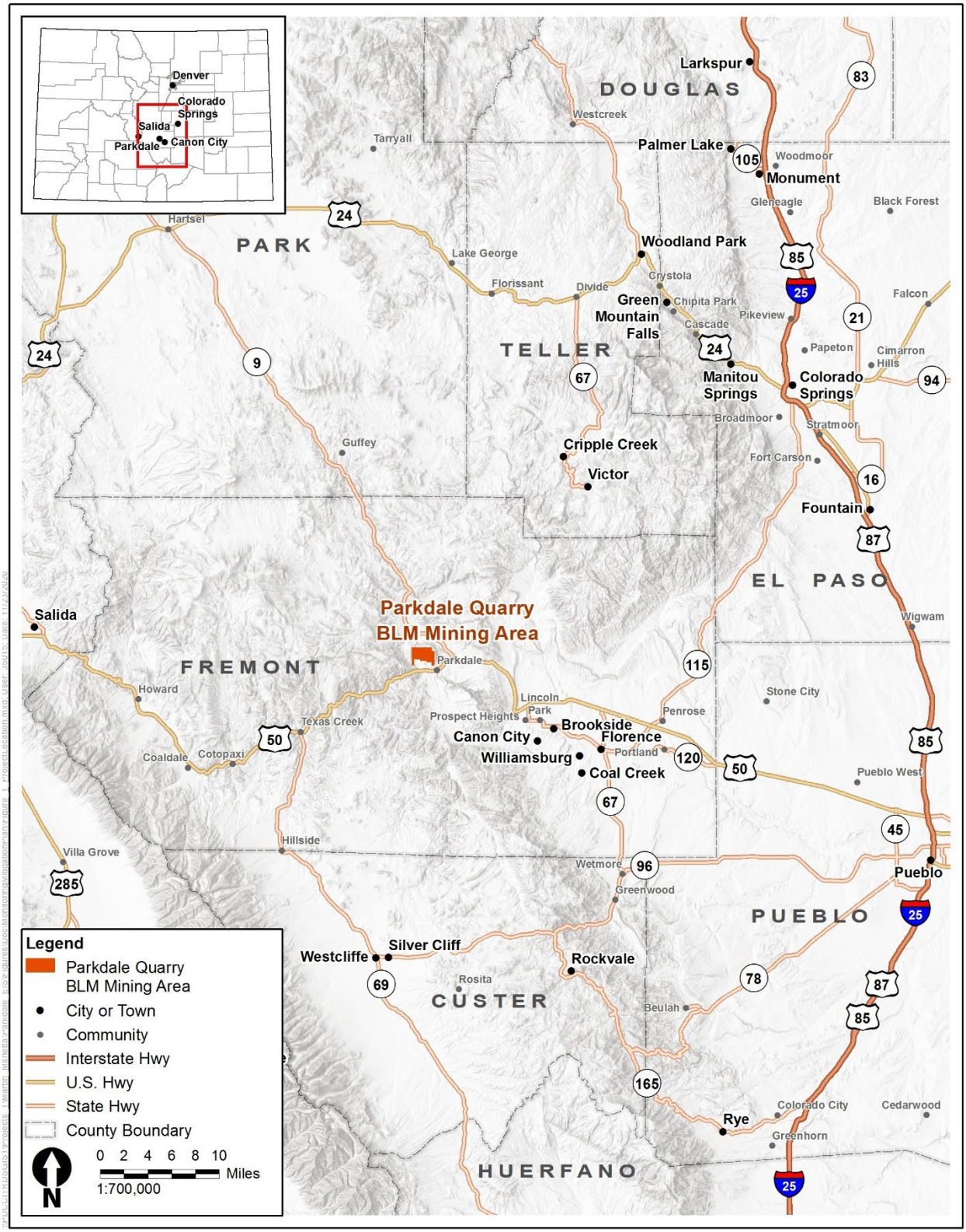

Figure 1. Site Location Map

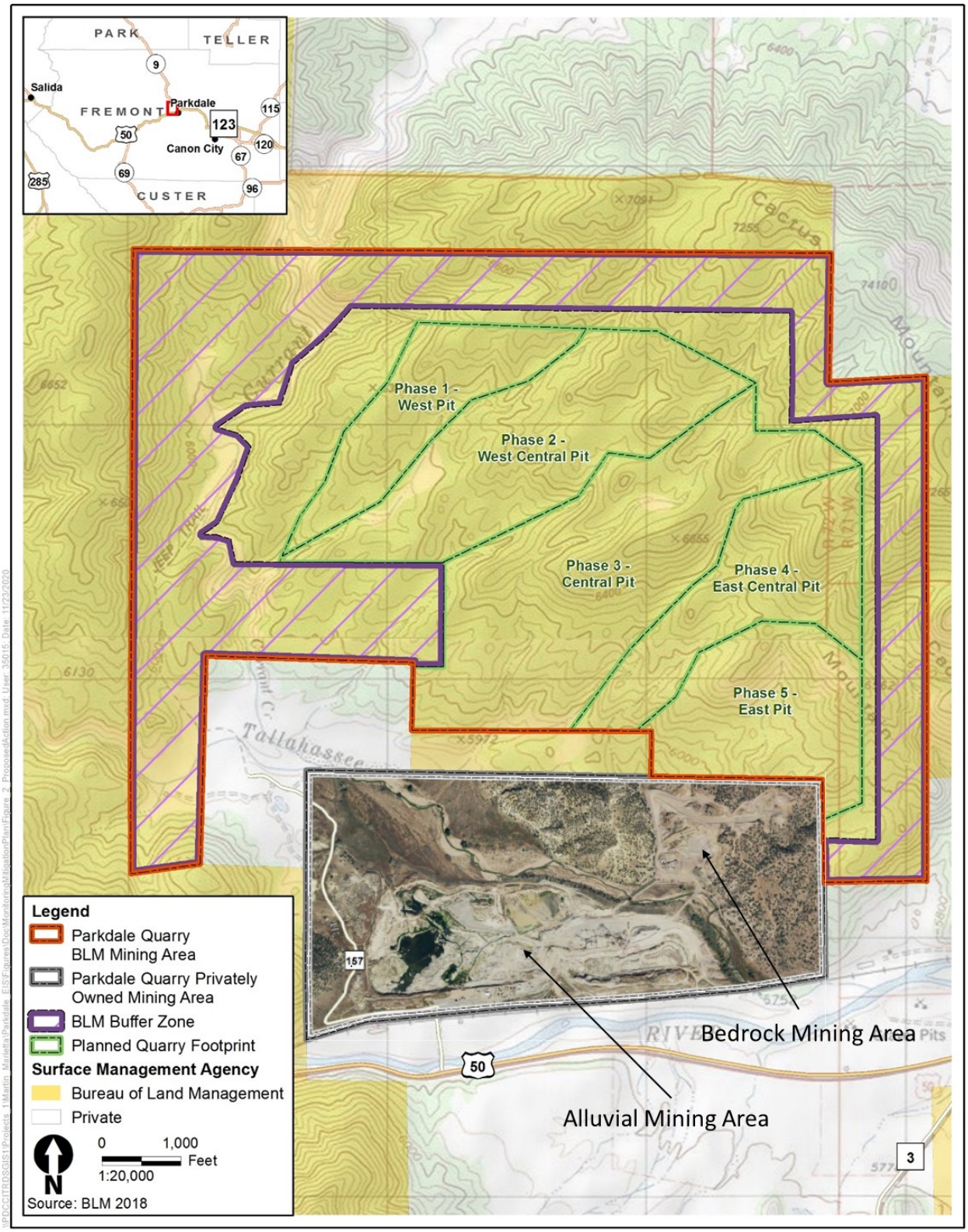

Figure 2. Land Ownership and Site Layout

hillside mining techniques that employ blasting to fracture the granitic bedrock followed by excavation and loading onto haul trucks for transport to onsite crushing and washing facilities. The other phases will be developed in the same manner using mining benches that range from 30 or more feet in height depending on site characteristics.

Groundwater monitoring data indicate that the quarry expansion will be developed below the existing water table in the BLM Mining Area (Section 4.2.1). The predicted groundwater inflow during operation ranges from about 15 to 27 gpm (ERM 2019 and Whetstone 2019) and is low enough that active dewatering of bedrock in advance of mining will not be required. Free flowing groundwater and stormwater that enters the quarry will be routed to settling ponds for infiltration or discharge to Currant or Tallahassee Creek. The settling ponds will be monitored for suspended sediment and turbidity to ensure that the contained water meets applicable standards prior to any surface release.

Surface disturbances will be reclaimed concurrently with mining, and at any given time, the active disturbance in the BLM Mining Area is expected to be limited to 100 acres or less. Final reclamation of the site will be conducted in accordance with the Mining and Reclamation Plan (Martin Marietta 2019), requirements of existing Colorado Division of Reclamation and Mine Safety and Fremont County permits, and BLM standards to ensure the stability of pit highwalls after mining and to reestablish vegetative cover.

3. MONITORING AND MITIGATION PLAN OBJECTIVES

The MMP is intended to provide a systematic framework for the collection of surface water and groundwater data for the Parkdale Quarry. The objectives of the MMP are to:

1. Identify and describe streams, springs, and groundwater that could be negatively impacted by the quarry expansion.
2. Describe the methodology and list the stations that will be used to monitor surface water and groundwater, in and adjacent to, the BLM Mining Area.
3. Establish the schedule for surface water and groundwater monitoring.
4. Specify analytical methods and Quality Assurance/Quality Control (QA/QC) procedures for analysis of water quality samples.
5. Establish a framework for the review and reporting of collected data to facilitate decision making for adaptive management of mining operations and mitigation of potential impacts to water resources if needed.
6. Describe mitigation measures that will be implemented in the event that adverse impacts to water resources occur from expansion of the quarry.

4. HYDROLOGIC SETTING

4.1 Surface Water

The BLM Mining Area is located on the flank of Cactus Mountain and drains southwest toward Currant and Tallahassee Creeks. All drainages within the planned pit disturbance are intermittent or ephemeral and flow for limited periods during most years in response to direct precipitation and snowmelt. Two perennial streams and five springs occur within the BLM Mining Area boundary (Figure 3). The streams include Currant Creek and Tallahassee Creek, both of which are located within the Buffer Area. The springs include Cactus Mountain Spring, Cactus Mountain South Spring, and Parkdale South Spring which are located in the Disturbance Area, and Parkdale Spring

and Tallahassee Ditch No. 2 Spring which are located in the Buffer Area. An additional 10 springs are located near the BLM Mining Area but outside of the Project boundary (Figure 3).

4.1.1 Currant Creek

Currant Creek is a perennial stream that flows south through the Buffer Area, along the western portion of the BLM Mining Area, to its confluence with Tallahassee Creek. The stream channel is within the Buffer Area, is separated from the Disturbance area for the planned quarry by an approximate 200- to 300-foot tall ridgeline, and will not be disturbed by the mining operation. Designated beneficial uses of Currant Creek include Class 1 Coldwater Aquatic Life, Existing Recreation, Agriculture, and Water Supply. Streamflow and water quality data for Currant Creek are available from three stations located above its confluence with Cottonwood Creek (Figure 3). Stations 07094090 and 383150105225500 were monitored by the USGS. Station 21COL001-7110 was monitored by CDPHE. Available data from the stations on Currant Creek are presented in Appendix F of the Final Environmental Impact Statement for the Proposed Competitive Mineral Materials Sale (COC-078119) at Parkdale, Fremont County, Colorado (BLM 2020b) and are summarized in Table 1. The monitored parameters have generally met applicable water quality standards in 5 CCR 1002-31 and 1002-3 of the Colorado Code of Regulations. The mainstem of Currant Creek from its source in Park County to the confluence of Tallahassee Creek is not 303 (d) listed in the 2020 Colorado Integrated Report (CDPHE 2020a) and is assessed as meeting all of its designated beneficial uses.

Table 1. Summary of Background Data for Currant Creek

Station	Period of Record	Number of Samples	Range of Measured Streamflows	Water Quality Analyses
USGS 07094090	01/13/1981 – 09/21/1982	12	0.30 – 31 cfs	Streamflow, field parameters, selected ions, metals, and radionuclides
USGS 383150105225500	4/22/72	1	--	Field parameters, major ions, nutrients, iron and manganese
CDPHE 21COL001-7110	08/17/2010	1	--	Field parameters, alkalinity, hardness, nutrients, selected ions and metals

4.1.2 Tallahassee Creek

Tallahassee Creek is a perennial stream that flows southeast through the southwestern portion of the Buffer Area within the BLM Mining Area and then through non-mining private land and the existing quarry on private land to its confluence with the Arkansas River. The stream channel for Tallahassee Creek will not be modified within the BLM Mining Area, but disturbance of the creek may periodically occur on private land during operation of the quarry. Designated beneficial uses of Tallahassee Creek include Class 1 Coldwater Aquatic Life, Existing Recreation, Agriculture, and Water Supply. Streamflow and water quality data for Tallahassee Creek are available from four stations (Figure 3). Stations 07094300 and 382917105225200 were monitored by the USGS and are located above the confluences of Currant Creek and the Arkansas River, respectively. Stations 21COL001-Tallahassee04 and 21COL001-7115 are located above and below the confluence of Currant Creek, respectively, and were monitored by CDPHE. Available data from the stations are presented in Appendix F of the Final Environmental Impact Statement for the Proposed Competitive Mineral Materials Sale (COC-078119) at Parkdale, Fremont County, Colorado (BLM 2020b) and are summarized in Table 2. The monitored parameters have generally met applicable water quality

standards in 5 CCR 1002-31 and 1002-3 of the Colorado Code of Regulations. The mainstem of Tallahassee Creek from the confluence of South Tallahassee Creek to the confluence with the Arkansas River is not 303 (d) listed in the 2020 Colorado Integrated Report (CDPHE 2020a) and is assessed as meeting its designated beneficial uses.

Table 2. Summary of Background Data for Tallahassee Creek

Station	Period of Record	Number of Samples	Range of Measured Streamflows	Monitored Parameters
USGS 07094300	01/13/1981 – 09/21/1982	11	0.01 – 31 cfs	Streamflow, field parameters, selected ions, metals, and radionuclides
USGS 382917105225200	06/03/1987 – 10/21/1992	14	0.14 – 44 cfs	Streamflow, field parameters, alkalinity, TDS, nutrients, and metals
CDPHE 21COL001-Tallahassee04	0/14/1980	1	--	Field parameters, alkalinity, hardness TDS, TSS, nutrients, selected ions and metals
CDPHE 21COL001-7115	09/12/2005 – 06/21/2011	3	--	Field parameters, E. Coli, alkalinity, hardness, nutrients, major ions and metals

4.1.3 Springs

Fifteen springs are located within or near the BLM Mining Area (Figure 3, Table 3). Cactus Mountain Spring, Cactus Mountain South Spring, and the Parkdale South Spring which are located in the Disturbance Area, and Parkdale Spring and Tallahassee Ditch No. 2 Spring in the Buffer Area are located within the BLM Mining Area. The other springs are located near the BLM Mining Area, but are outside of the Project Boundary.

Four springs within the BLM Mining Area were surveyed by BLM during November 2019. Cactus Mountain, Cactus Mountain South, and Parkdale springs were all flowing at about 0.25 gpm. Parkdale South Spring was dry. The springs are recharged by infiltration of precipitation on the overlying watersheds and discharge from bedrock in intermittent drainages on the southwest side of Cactus Mountain. BLM previously maintained federal reserved water rights on Parkdale Spring (# 1202149) and Cactus Mountain Spring (# 1202067). The water rights for these springs were withdrawn in 2020.

Willow Patch, Currant, and Narrow Canyon springs are located on BLM land north and northwest of the BLM Mining Area (Figure 3). Willow Patch and Narrow Canyon springs were surveyed by the BLM near the end of June in 2016. Both springs were flowing at the time of observation, but at very low rates (Table 3). Willow Patch Spring issues from a stream terrace adjacent to an intermittent tributary to Lower Cottonwood Creek. Narrow Canyon Spring is located in the channel of an intermittent tributary to Currant Creek. Current Spring was surveyed at the end of August in 2012 at which time it was dry.

Campbell King Spring 1, Tallahassee Ditch No. 2 Spring, Harvey Brothers Twelve Mile Spring, Wheaton College Springs 14, 15, and 16, and unnamed spring No. 1 are located on private land and only limited information including the spring locations and elevations are available. Location information for the springs is summarized in Table 3.

Table 3. Summary of Springs within or near the BLM Mining Area

Spring	Latitude	Longitude	Elevation (ft)	Discharge (gpm)	Date Monitored
Springs within the BLM Mining Area					
Cactus Mountain Spring[1]	38.50599	-105.39281	6,480	0.25	11/19/2019
Cactus Mountain South Spring[1]	38.50336	-105.40489	6,040	0.25	11/19/2019
Parkdale Spring[1]	38.5002	-105.40104	6,140	0.25	11/19/2019
Parkdale South Spring[1]	38.49727	-105.39662	5,920	No Flow	11/19/2019
Tallahassee Ditch No. 2 Spring[3]	38.49544	-105.41055	5,920	Unknown	--
Springs Near the BLM Mining Area					
Willow Patch Spring[1]	38.52571	-105.42888	6,600	0.016	06/27/2016
Currant Spring[1]	38.51939	-105.40823	6,200	No Flow	08/24/2012
Narrow Canyon Spring[1]	38.51673	-105.40668	6,300	Very Low	06/27/2016
Campbell King Spring 1[2]	38.49140	-105.37232	5,840	Unknown	--
Harvey Brothers Twelve Mile Spring[3]	38.52156	-105.39913	6,120	Unknown	--
Wheaton College Spring 14[3]	38.52503	-105.35265	6,500	Unknown	--
Wheaton College Spring 15[3]	38.52173	-105.36301	6,380	Unknown	--
Wheaton College Spring 16[3]	38.52605	-105.37654	6,250	Unknown	--
Cowan Spring No. 3[3]	38.52891	-105.36630	6,560	Unknown	--
Unnamed Spring No. 1[2]	38.50220	-105.34645	6,200	Unknown	--

Sources: [1] BLM Royal Gorge Field Office (BLM 2019)
[2] National Hydrography Dataset (USGS 2005)
[3] Colorado Division of Water Resources Water Rights Database (Appendix A)

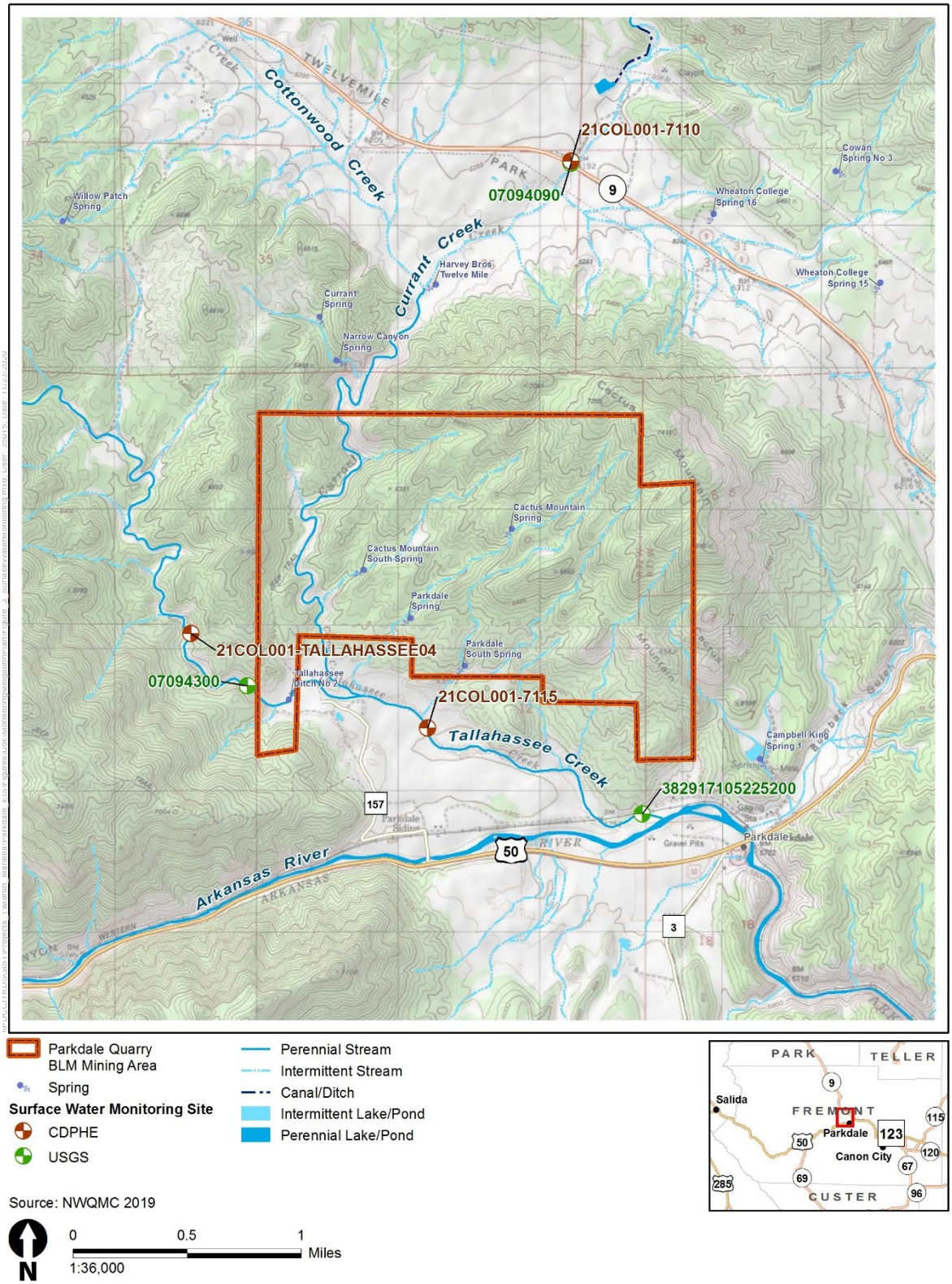

Figure 3. Locations of USGS and CDPHE Surface Water Monitoring Stations with Background Data for Currant and Tallahassee Creeks

4.2 Groundwater

Groundwater near Parkdale Quarry is recharged by infiltration of precipitation on upland areas and flows laterally away from high points following topography to discharge at streams and springs at lower elevations. The average precipitation at the site is about 17 inches annually (BLM 2017a) with recharge to groundwater estimated to be about 0.16 inches per year (ERM 2019).

Four hydrostratigraphic units are recognized near Parkdale Quarry. They include alluvium in stream channels and drainages, sedimentary rocks north and south of the BLM Mining Area, and granitic rocks that are divided into weathered granite near the surface and competent but fractured granite below about 20 feet depth (ERM 2019). Alluvium occurs as a thin veneer over bedrock in intermittent drainages on slopes and as thicker deposits adjacent to perennial streams. Sedimentary rocks rest unconformably on granite near the southern boundary of the BLM Mining Area and are in fault contact with granite north and east of the planned quarry expansion (Figure 4). The faults may cause some compartmentalization of groundwater flow across the structures by the disruption of stratigraphy and juxtaposition of rock types with different hydraulic characteristics.

4.2.1 Groundwater Levels and Direction of Flow

Groundwater levels in granitic bedrock within the BLM Mining Area are documented by three monitoring wells installed by Martin Marietta (Table 4). The observed depths to groundwater range from about 10 to 128 feet below the top of the well casings, and water levels fluctuate seasonally by up to 24 feet (Table 5). The direction of groundwater flow is southeast away from Cactus Mountain toward the Arkansas River. Observed groundwater elevations within the BLM Mining Area range from about 6,027 to 6,262 feet which is 87 to 322 feet higher than the planned minimum pit floor elevation of 5,940 feet.

Table 4. Completion Details for Monitoring Wells in the BLM Mining Area

Well ID	Latitude	Longitude	Casing Elevation (ft amsl)	Total Depth (ft btoc)	Well Casing	Screened Interval (ft btoc)
MW-1	38.496541°	-105.382685°	6,252.7	239	2-inch PVC	20-239
MW-3	38.499052°	-105.399946°	6,075.8	249	2-inch PVC	20-249
MW-10	38.504486°	-105.394678°	6,271.6	251	2-inch PVC	20-251

Notes: amsl – above mean sea level
btoc – below top of casing
Data source, ERM 2019

Table 5. Summary of Water Level Data for the BLM Mining Area

Date	MW-1		MW-3		MW-10	
	DTW (ft btoc)	WLE (ft amsl)	DTW (ft btoc)	WLE (ft amsl)	DTW (ft btoc)	WLE (ft amsl)
12/7/2018	103.63	6149.11	47.52	6028.23	11.19	6260.37
12/11/2018	104.13	6148.61	47.55	6028.2	9.76	6261.8
5/14/2019	123.99	6128.75	38.38	6037.37	10.17	6261.39
8/29/2019	127.71	6125.03	49.19	6026.56	18.69	6252.87

Notes: amsl – above mean sea level
btoc – below top of casing
Data source, ERM 2019

4.2.2 Hydraulic Characterization Data

Hydraulic characterization data for granitic bedrock within the BLM Mining Area are available from single well tests performed in monitoring wells MW-1, MW-3, and MW-10. The results of the tests are summarized in Table 6 and indicate hydraulic conductivities ranging from 0.0019 to 0.0065 ft/day (ERM 2019). The average hydraulic conductivity from the three tests is calculated to be 0.0039 ft/d, which is considered to be a reasonable estimate of the bulk hydraulic conductivity of fractured granite below 20 feet depth (ERM 2019).

Table 6. Summary of Pumping Test Data for the BLM Mining Area

Well ID	Average Pumping Rate (gpm)	Pumping Duration (min)	Maximum Drawdown (ft)	Saturated Thickness (ft)	Transmissivity (ft^2/d)	Hydraulic Conductivity (ft/d)
MW-1	0.136	110	10.5	134.9	0.26	0.0019
MW-3	0.716	74	99.8	201.4	0.63	0.0031
MW-10	0.960	102	≈128	241.2	1.57	0.0065

Note: Data source, ERM 2019

4.2.3 Water Quality Data

Background groundwater quality data for the BLM Mining Area are available from eight samples collected in 2018 and 2019. The samples indicate that groundwater in granite has near neutral pH (6.64-7.71), low to moderate concentrations of total dissolved solids (318-437 mg/l), and meets water quality standards for the monitored parameters with the exceptions of uranium, gross alpha radiation, and radium (Table 7). The elevated concentrations of the radionuclides are naturally occurring and are related to the presence of radioactive minerals in the granitic bedrock.

Table 7. Water Quality Analyses for Granitic Bedrock in the BLM Mining Area

Parameter	Domestic [1] Water Supply Standard	MW-1 [4]		MW-3 [4]			MW-10 [4]		
		12/11/2018	5/14/2019	12/11/2018	5/13/2019	8/28/2019	12/12/2018	5/13/2019	8/28/2019
Field Parameters									
pH (s.u.)	6.6 – 8.5	7.71	7.16	7.65	7.12	7.13	7.55	6.64	6.91
Temperature (ºC)		14.68	20.26	16.4	17.0	18.0	13.43	12.86	14.71
Specific Conductance (µS/cm)		587	475	480	379	411	602	480	617
Dissolved Oxygen (mg/l)		4.37	3.98	0.95	6.41	1.18	4.2	5.05	4.87
ORP (mV)		127	127	88.5	70	9	48.7	110	64
Turbidity (NTU)		743	920	> 1000	821	24.2	> 1000	478	330
Solution Parameters and Major Ions									
Alkalinity (mg $CaCO_3$/L)		190	188	176	168		253	228	190
TDS (mg/L)	500	406	417	338	318		437	420	
Calcium (mg/L)		67.6	75.8	50.2	48.1		81.4	76.4	
Chloride (mg/L)	250	8	7.5	11.6	9.9		8	7.5	
Potassium (mg/L)		2.9	3.03	2.36	2.13		2.55	1.64	
Magnesium (mg/L)		15.8	15.1	11.4	10.6		16.5	14.8	
Silicon		7.66	7.64	9.95	10.7		13.0	13.2	7.66
Sodium (mg/L)		23.7	23.1	30.7	28.2		22.6	20.0	
Sulfate (mg/L)	250	99	95.8	63.2	55.7		86.3	85.9	
Nutrients									
Nitrate (N mg/L)	10	5.7	6.5	1.9	2.6		0.12	0.087	
Phosphorus, total (mg/L)		0.28	0.31	0.98	0.41		3.1	0.81	
Dissolved Metals									
Aluminum (mg/L)		< 0.1	< 0.1	< 0.1	< 0.1		< 0.1	< 0.1	
Antimony (mg/L)	0.006	< 0.008	< 0.008	< 0.008	< 0.008		< 0.008	< 0.008	
Arsenic (mg/L)	0.01	< 0.0004	0.0004	0.00059	0.00043		0.00042	0.0004	
Barium (mg/L)	2.0	0.0183	0.0207	0.0314	0.0189		0.0391	0.0340	
Cadmium (mg/L)	0.005	< 0.0002	< 0.0002	< 0.0002	< 0.0002		< 0.0002	< 0.0002	
Chromium, total (mg/L)	0.1	< 0.004	< 0.004	< 0.004	< 0.004		< 0.004	< 0.004	
Cobalt (mg/L)		< 0.002	< 0.001 [a]	< 0.0004	< 0.0004		< 0.002	< 0.002	
Copper (mg/L)	1	< 0.004	< 0.004	< 0.004	< 0.004		0.0084	0.0052	
Iron (mg/L)	0.3	0.179	0.122	0.139	0.0822		0.221	0.140	
Lead (mg/L)	0.05	< 0.001	< 0.001	< 0.001	< 0.001		< 0.001	< 0.001	
Manganese (mg/L)	0.05	0.005	0.0029	0.0098	0.0128		0.0241	0.005	
Molybdenum (mg/L)	0.21	0.040	0.0188	0.141	0.155		0.0383	0.0073	
Nickel (mg/L)	0.1	0.0052	< 0.0040	< 0.0040	0.0112		0.0102	< 0.0040	
Selenium (mg/L)	0.05	0.0029	0.0038	0.0032	0.0022		0.0012	0.0012	
Uranium (mg/L)	0.03	0.0173	0.0137	0.0212	0.0197	0.0167	**0.0382**	0.0167	0.0126
Zinc (mg/L)	5	< 0.020	< 0.020	< 0.020	< 0.020		< 0.020	< 0.020	
Radionuclides									
Gross Alpha (pCi/L)	15	**19**	**18**	**47**	**47**	38	**120**	25	31
Gross Beta (pCi/L)	4 mrem/yr	22	28	71	65	14	200	34	20
Radium 226 (pCi/L)	5 [2]	1	1.2	**2.3** [3]	**1.3** [3]		**4.4** [3]	1.4	
Radium 228 (pCi/L)	5 [2]	1.5	2.7	**2.2** [3]	**9.7**		**3.1** [3]	2.6	
Uranium 234 (pCi/L)		16	19	21	17		25	11	
Uranium 235 (pCi/L)		0.07	0	1.2	-0.27		0.96	-0.64	
Uranium 238 (pCi/L)		9.06	6.45	9.99	7.28		17.2	7.44	

Notes: [1] Domestic water supply standards from Code of Colorado Regulations CCR5 1002-41
[2] Combined radium 226 and 228
[3] The sum of radium 226 and 228 for the sample exceeds the domestic water supply standard
Data Source ERM 2019
Bolded and shaded values exceed domestic water supply standards in CCR5 1002-41

4.2.4 Groundwater Users

Groundwater users within a two-mile radius of the BLM Mining Area have been identified by a records search of the Colorado Division of Water Resources (DWR) well database (Appendix A). The results of the search indicate that 97 wells are located near the planned quarry expansion (Figure 4). The majority of wells are situated east and northeast of the Project in areas underlain by cretaceous-age sedimentary rocks **(**Figure 4). Eight wells are also reported to be located on the south side of the Parkdale Fault in an area underlain by granitic bedrock. The reported well locations south of the Parkdale Fault appear to be in error based on a review of aerial photographs and drilling records that indicate the wells are completed in sedimentary rocks. The true locations are unknown, but the wells are most likely located on the north side of the Parkdale Fault.

A review of water level data from the DWR database indicates that groundwater elevations near the BLM Mining Area range from about 5,657 to 7,041 feet elevation. Reported groundwater elevations vary widely over relatively short distances with differences in elevation often exceeding 100 to 200 feet between wells located within 1,000 to 2,000 feet of each other. Although the accuracy of the DWR data is affected by a number of factors including errors in the reported well locations and surface elevations and the range of time over which the groundwater levels were measured, the reported variability is consistent with groundwater systems in low-permeable rocks that are poorly interconnected over short distances.

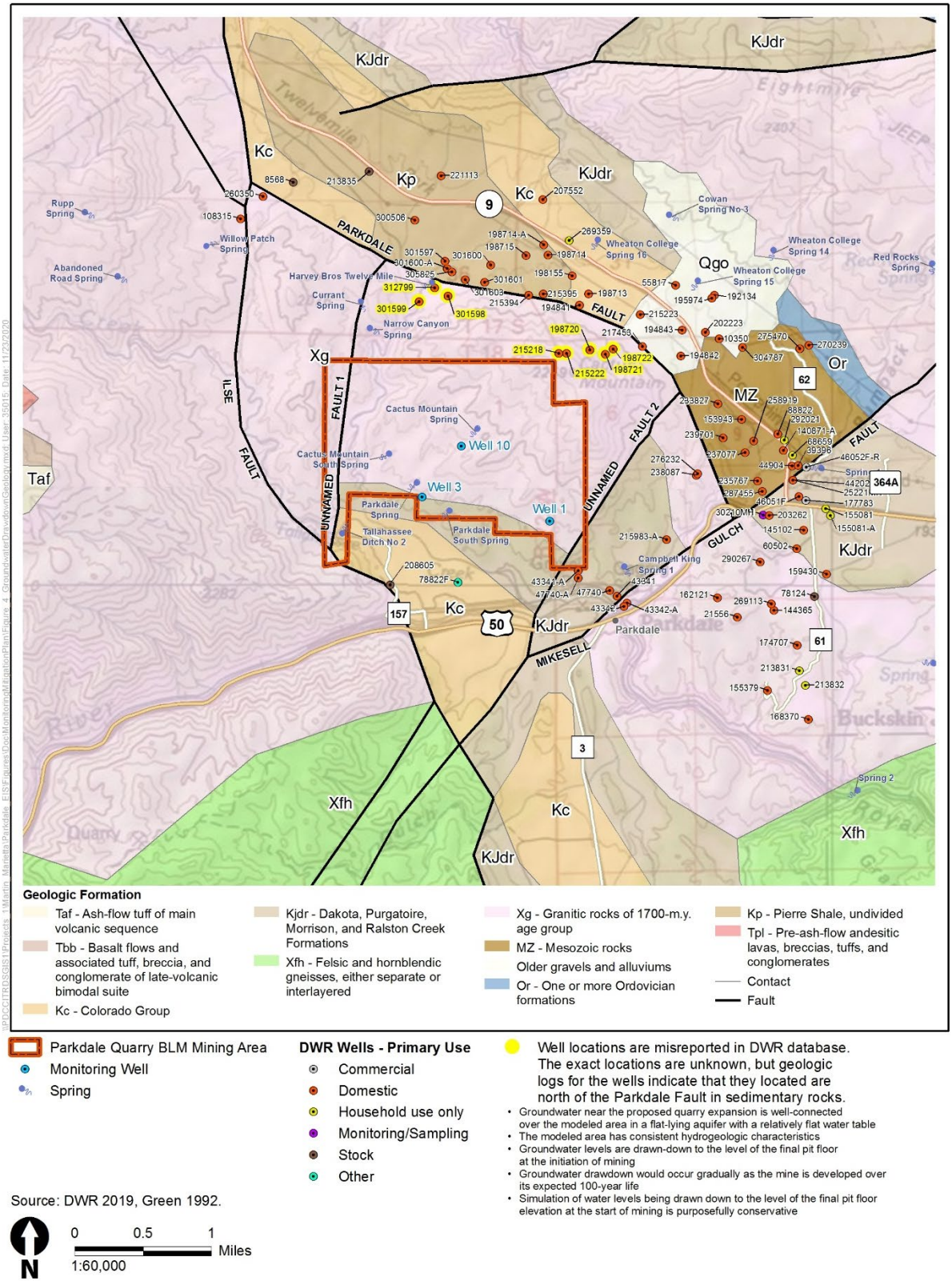

Figure 4. Site Geology and Locations of Groundwater Users Near the Parkdale Quarry

5. PROPOSED MONITORING NETWORK

The proposed surface water and groundwater monitoring locations for Parkdale Quarry are summarized in Table 8 and shown in Figures 5 and 6. The approach will be to initiate monitoring for Currant and Tallahassee creeks (CC-1, CC-2, and TC-1), four springs within the planned pit footprint (SP-1, SP-2, SP-3, and SP-4), and the three existing monitoring wells (MW-1, MW-3 and MW-10) prior to the start of ground-disturbing activities within the BLM Mining Area. Additional monitoring wells will be installed and monitored prior to the start of mining in the Phase 1 West Pit (MW-6), Phase 2 West Central Pit, (MW-5), and Phase 3 Central Pit (MW-4 and MW-2).

Table 8. Proposed Surface Water and Groundwater Monitoring Locations

Station	Description	Monitoring Frequency	Monitored Parameters	Comment
CC-1	Current Creek upstream of BLM Mining Area	Biannual	Streamflow, field parameters, and nitrate/nitrite	Monitoring to begin prior to ground disturbing activities in the BLM Mining Area
CC-2	Current Creek downstream of BLM Mining Area	Biannual	Streamflow, field parameters, and nitrate/nitrite	Monitoring to begin prior to ground disturbing activities in the BLM Mining Area
TC-1	Tallahassee Creek downstream of Parkdale Quarry	Biannual	Streamflow, field parameters, and nitrate/nitrite	Monitoring to begin prior to ground disturbing activities in the BLM Mining Area
SP-1	Cactus Mountain Spring	Biannual	Spring discharge, field parameters, and nitrate/nitrite	Monitoring to begin prior to ground disturbing activities in the BLM Mining Area
SP-2	Cactus Mountain South Spring	Biannual	Spring discharge, field parameters, and nitrate/nitrite	Monitoring to begin prior to ground disturbing activities in the BLM Mining Area
SP-3	Parkdale Spring	Biannual	Spring discharge, field parameters, and nitrate/nitrite	Monitoring to begin prior to ground disturbing activities in the BLM Mining Area
SP-4	Parkdale South Spring	Biannual	Spring discharge, field parameters, and nitrate/nitrite	Monitoring to begin prior to ground disturbing activities in the BLM Mining Area
MW-1	Existing monitoring well in granite near the southeast portion of the BLM Mining Area	Daily / biannual	Daily water levels, biannual field parameters and nitrate/nitrite	Monitoring to begin prior to ground disturbing activities in the BLM Mining Area
MW-2	New monitoring well in granite east of BLM Mining Area on east side of unnamed fault 2	Daily / biannual	Daily water levels, biannual field parameters and nitrate/nitrite	To be installed prior to disturbance of the Phase 3 Central Pit
MW-3	Existing monitoring well in granite near the south-central portion of the BLM Mining Area	Daily / biannual	Daily water levels, biannual field parameters and nitrate/nitrite	Monitoring to begin prior to ground disturbing activities in the BLM Mining Area
MW-4	New monitoring well in granite east of BLM Mining Area on west side of unnamed fault 2	Daily / biannual	Daily water levels, biannual field parameters and nitrate/nitrite	To be installed prior to disturbance of the Phase 3 Central Pit
MW-5	New monitoring well in granite north of BLM Mining Area on the south side of the Parkdale Fault	Daily / biannual	Daily water levels, biannual field parameters and nitrate/nitrite	To be installed prior to disturbance of the Phase 2 West Central Pit
MW-6	New monitoring well in granite north of BLM Mining Area on the south side of the Parkdale Fault	Daily / biannual	Daily water levels, biannual field parameters and nitrate/nitrite	To be installed prior to disturbance of the Phase 1 West Pit
MW-10	Existing Monitoring Well in granite near the central portion of the BLM Mining Area	Daily / biannual	Daily water levels, biannual field parameters and nitrate/nitrite	Monitoring to begin prior to ground disturbing activities in the BLM Mining Area

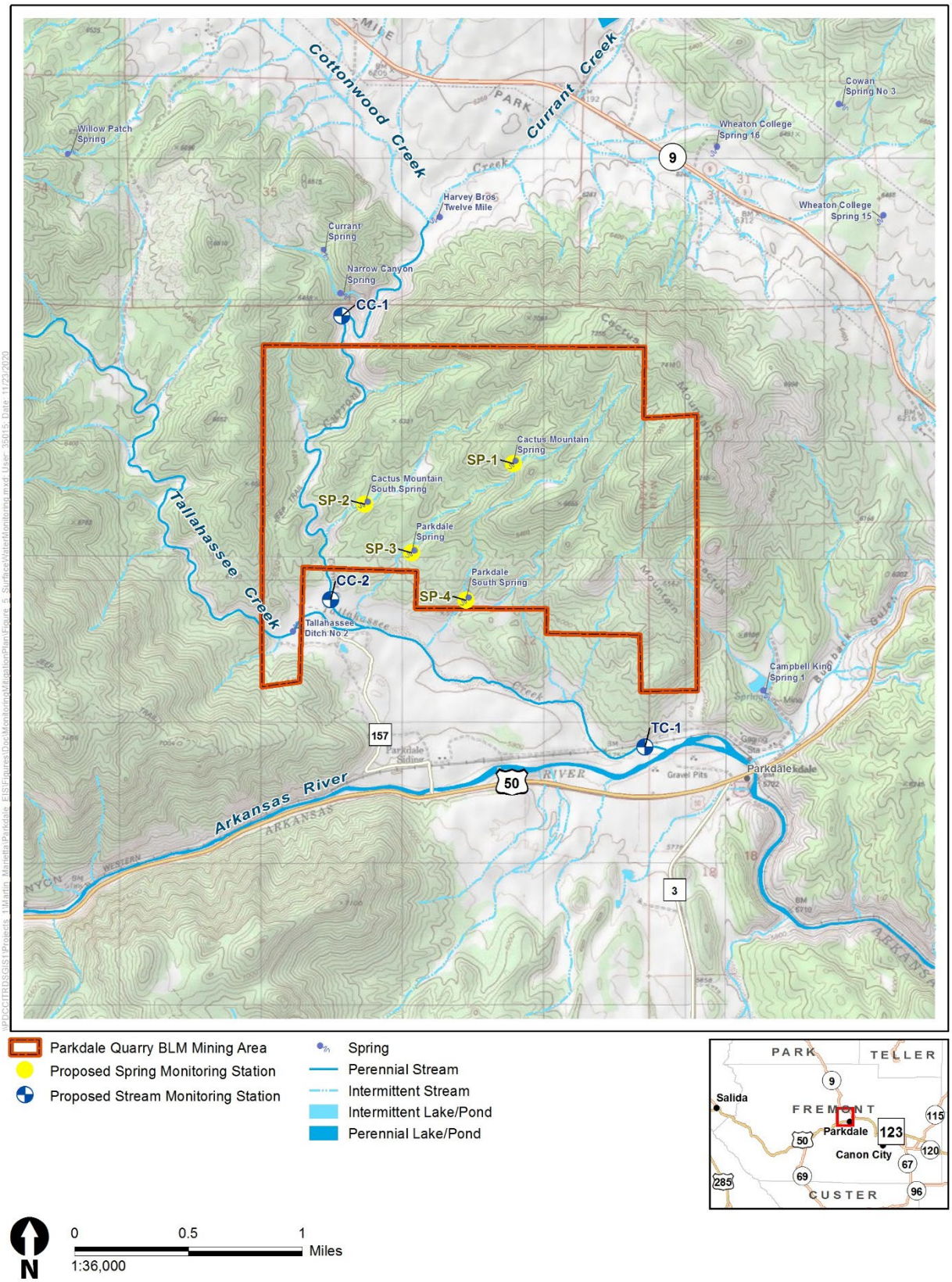

Figure 5. Proposed Surface Water Monitoring Locations

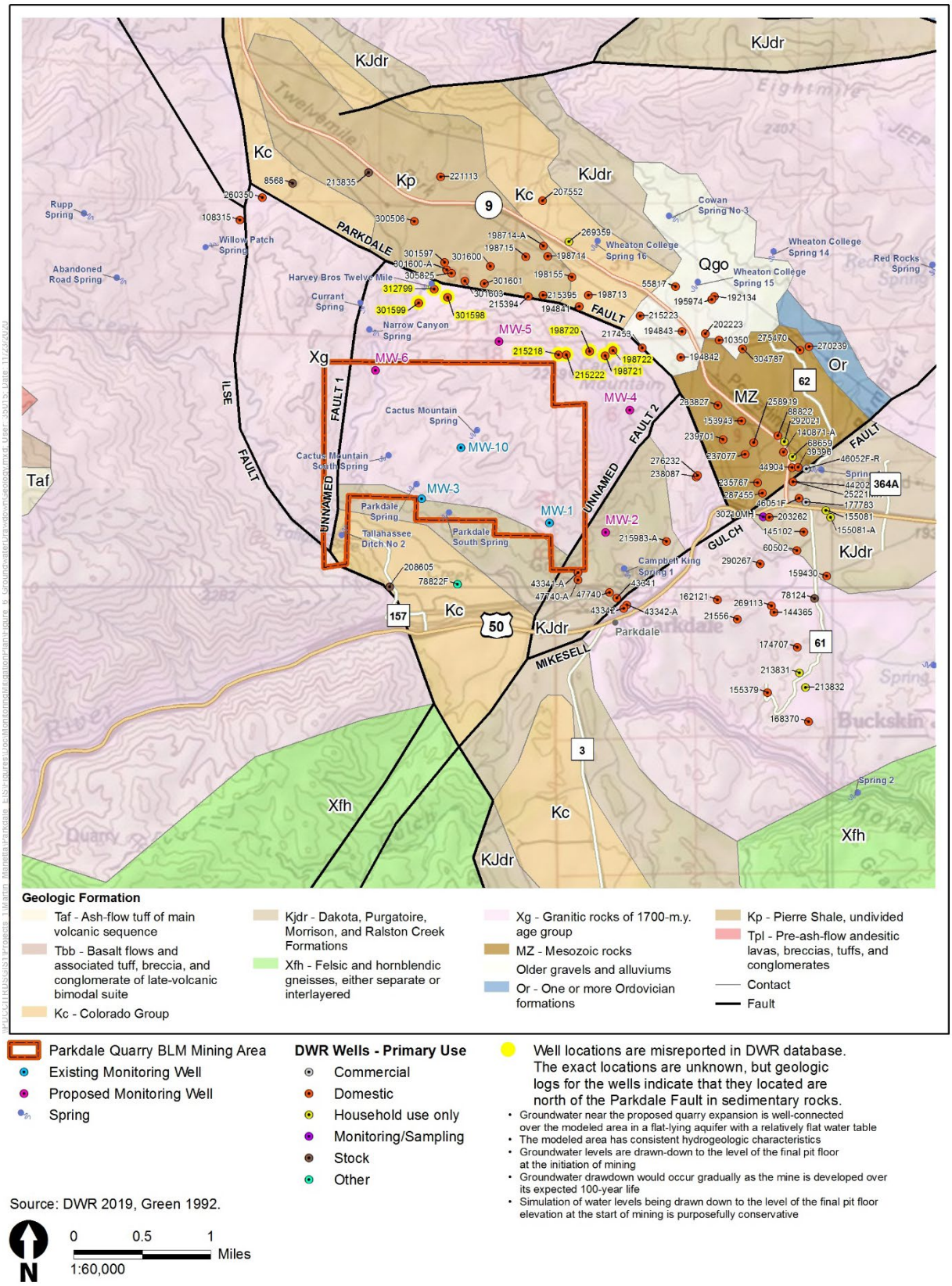

Figure 6. Proposed Groundwater Monitoring Locations

5.1 Surface Water Monitoring

The proposed surface water monitoring network for the Parkdale Quarry includes three stations that monitor streams and four stations that monitor springs (Figure 5). Stations CC-1 and CC-2 will monitor Currant Creek upstream and downstream of the BLM Mining Area, respectively. Station TC-1 will monitor Tallahassee Creek above the confluence with the Arkansas River. Stations SP-1, SP-2, SP-3, and SP-4 will monitor Cactus Mountain Spring, Cactus Mountain South Spring, Parkdale Spring, and Parkdale South Spring, respectively.

The proposed monitoring frequency for surface water is twice annually with monitoring events occurring during the high flow (spring) and low flow (fall) periods of each year. The monitored parameters will include streamflow or spring discharge, field parameters for pH, temperature, specific conductance (SC) dissolved oxygen (DO) and turbidity, and laboratory analyses for combined nitrate and nitrite by EPA method 353.2.

5.1.1 Surface Water Monitoring Procedures

Water quality samples for each station will be collected prior to flow measurement to avoid channel or bottom disturbances that could affect water chemistry. Where multiple stations exist on the same stream, sampling will begin at the downstream site and move upstream. Standard operating procedures for surface water monitoring include the following:

- Monitoring of surface water will be scheduled to ensure that all of the stream stations are monitored on same day under similar flow and weather conditions.
- A general site inspection will be performed upon arrival at each station, and comments regarding site conditions will be recorded on the field sampling record.
- All field instruments will be calibrated according to manufacturers' specifications at the beginning of each day. In addition, water quality meters for dissolved oxygen (DO) and pH will be calibrated at each sampling location immediately prior to measurement of the associated parameter.
- Streamflow and spring discharge will be measured using one of the following methods: a current meter and the area velocity calculation, a portable cutthroat flume, or a timed container of known volume.
- Surface water samples for laboratory analysis will be collected from flowing sources using temporary containers made of glass or polyethylene that will be thoroughly decontaminated before each use. The decontamination procedure will include scrubbing the container with a stiff brush and Liquinox detergent followed by triple rinsing with distilled water.
- Only certified clean bottles will be used to store and ship samples for laboratory analysis of combined nitrate and nitrite. The unfiltered samples will be kept cool (4 C° ±2 C°) from the time of collection to receipt by the analytical laboratory and will be preserved in the field to pH < 2 using sulfuric acid.
- Chain-of-custody (COC) forms and custody seals will be used for all samples shipped to the analytical laboratory.

5.2 Groundwater Monitoring

The proposed groundwater monitoring network for the Parkdale Quarry includes three existing wells that monitor groundwater in fractured granite within the BLM Mining Area (Table 4), and four new wells that will monitor groundwater in fractured granite between the BLM Mining Area and groundwater users located to the north and east of the Project (Figure 6).

The proposed monitoring frequency for groundwater is twice annually with monitoring rounds occurring during the spring and fall of each year. Each well will be equipped with a datalogging pressure transducer set to record the depth to water once daily. The monitored water quality parameters will include field measurements of pH, temperature, SC, DO and turbidity, and laboratory analyses for combined nitrate and nitrite by EPA method 353.2.

5.2.1 Monitoring Well Installation and Testing

It is proposed that the new monitoring wells be installed using a phased approach based on the planned mining sequence. As proposed, monitoring well MW-6 will be installed prior to the start of mining in the Phase 1 West Pit to detect changes in water levels and water quality that could affect groundwater users located north of the BLM Mining Area. Well MW-5 will be installed prior to mining in the Phase 2 West Central Pit for the same rational, and wells MW-4 and MW-2 will be installed in advance of mining in the Phase 3 Central Pit to monitor changes in water level and water quality that could affect groundwater users located east of the quarry.

All new wells for the groundwater monitoring network will be installed by a Colorado licensed water well driller following construction rules in 2 CCR 402-2 of the Code of Colorado Regulations. The wells will be screened at and below the water table in granitic bedrock with the final depths, screened intervals, filter packs, and other relevant details being determined in the field by the supervising engineer or geologist. Detailed geologic logs and construction diagrams that contain information about the encountered lithology, location of fractures, boring depth, depth to groundwater, and water production during drilling will be prepared for each well.

The new wells will be completed using 2-inch diameter PVC casing and screen. Well construction materials such as filter packs, seals, and backfill will be clean and free of debris, and meet specifications established in 2 CCR 402-2. The wells will be developed by air-lift pumping, and concrete monuments with protective steel casing and locking caps will be constructed over the wellheads at the surface. After completion, a variable head test (slug test) or short air-lift pumping test will be performed in each well to provide an estimate of the hydraulic conductivity of the granitic bedrock at the monitored location.

5.2.2 Groundwater Monitoring Procedures

A dedicated low-flow pump and unvented datalogging pressure transducer with direct read cable will be installed in each well. The transducers will be set to record water level measurements once daily. A datalogging barometer will also be installed at one of the wellheads to record barometric pressure on the same schedule. The barometric pressure data will be used to correct water level measurements from the unvented transducers. Data from the pressure transducers and barometer will be downloaded during each monitoring event and a physical water level measurement will be made for each well using an electrical water level sounder (e-tape).

Samples of groundwater for measurement of field parameters and laboratory analysis will be collected using either the conventional three casing volume purge sampling method or the micro-purge sampling method. The conventional groundwater sampling method requires that three casing volumes of water be evacuated from the well before the sample is collected. The intent is to remove stagnant water from the well casing to ensure that the sample is representative of water in the formation. The micro-purge sampling method does not require that three casing volumes be evacuated from the well prior to sample collection. Instead it relies on low pumping rates (typically 0.1 to 0.5 L/min) from an intake located in the well screen to collect a representative sample of formation water with minimal disturbance of water in the well casing. Standard operating procedures for groundwater monitoring include the following:

- A general site inspection will be performed upon arrival at each monitoring well and comments regarding site conditions will be recorded on the field sampling record.
- Transducer data will be downloaded and a physical water level measurement will be completed for each well prior to sample collection.
- All field instruments will be decontaminated and calibrated according to manufacturers' specifications at the beginning of each day. In addition, water quality meters for dissolved oxygen (DO) and pH will be calibrated at each sampling location immediately prior to measurement of the associated parameter.
- Samples of groundwater from each well will be collected using the either the conventional or the micro-purge sampling method. Purging of the wells will be considered to be complete after three well volumes have been pumped if using the conventional method, or the entire volume of stagnant water in the tubing bundle of the dedicated pump has been removed if using the micro-purge method, turbidity is less than 10 NTU, and three successive readings for pH, SC, and DO are within 0.1 s.u., 3 percent, and 10 percent, respectively. The sampling flow rates shall not exceed the purging flow rates at which water quality indicator parameters stabilized.
- Only certified clean bottles will be used to store and ship samples for laboratory analysis of combined nitrate and nitrite. The unfiltered samples will be kept will be cool (4 C˚ ±2 C˚) from the time of collection to receipt by the analytical laboratory and will be preserved in the field to pH < 2 using sulfuric acid.
- Chain-of-custody (COC) forms and custody seals will be used for all samples shipped to the laboratory.

6. REPORTING

Monitoring results for streams, springs, and groundwater will be provided to BLM and CDPHE within 45 days after completion of each monitoring event. The information provided to the agencies will include tabulated summaries of flow measurements and water quality analyses, laboratory reports, and plots of transducer data showing changes in groundwater levels over time.

7. MITIGATION OF POTENTIAL IMPACTS TO WATER RESOURCES

The mitigation measures summarized in Table 9 are actions that may be implemented by the quarry operator, Martin Marietta, to avoid, minimize, or correct unintended adverse impacts to water resources. Potential adverse impacts from the quarry expansion were identified in the Environmental Impact Statement (EIS) for the competitive mineral materials sale at Parkdale (BLM 2020b) and include:

- Alteration of groundwater levels and reduction of groundwater availability to users and springs
- Elimination of spring flows within the proposed quarry footprint and elimination of the water source for the Federal Reserved Water Right on Parkdale and Cactus Mountain Springs.
- Alteration of groundwater quality near the proposed quarry including increased concentrations of total dissolved solids (TDS), nitrate, and nitrite.
- Increased runoff to Currant and Tallahassee creeks during storm events and alteration of patterns of streamflow caused by changes in runoff and baseflow from the proposed quarry area.
- Alteration of water quality in Currant and Tallahassee Creeks including increased turbidity and concentrations of TDS, total suspended solids (TSS), nitrate, and nitrite.

Increased TDS, TSS, and turbidity in surface water and groundwater can be caused by runoff and infiltration of stormwater from mining disturbed areas. The monitoring procedures proposed in Section 5 of this MMP will evaluate these parameters using SC and turbidity as indirect measurements of TDS and TSS, respectively. Nitrate and nitrite are potential contaminants associated with blasting agents and will be evaluated directly using EPA method 353.2.

Table 9. Summary of Indicators and Mitigation Measures for Impacts to Water Resources

Impact	Indicators	Mitigation
Alteration of Water Quality in Currant Creek	• Increased SC, turbidity, or nitrate/nitrite at CC-2 compared to CC-1 • Differences in pH or DO between CC-1 and CC-2 • Observation of runoff from mining disturbed areas entering the creek	• Initiate investigation in coordination with BLM and CDPHE to determine cause • Implement BMPs if applicable. BMPs may include but are not limited to installation of sediment and erosion controls (i.e. retention ponds, silt fences, wattles, rip rap, check dams, drop structures, rock socks and erosion blankets); site grading to construct diversion dikes, berms, or vegetated swales; and reclamation of mining disturbed areas. • Conservation and maintenance of riparian buffers adjacent to stream channels • Adaptive management of mining practices to eliminate sources of contamination
Alteration of water quality in Tallahassee Creek	• Increasing trends in SC, turbidity, or nitrate/nitrite at TC-1 over time • Changes in other water quality parameters at TC-1 compared to historic background data • Observation of runoff from mining disturbed areas entering the creek	• Initiate investigation in coordination with BLM and CDPHE to determine cause • Implement BMPs if applicable. BMPs may include but are not limited to installation of sediment and erosion controls (i.e. retention ponds, silt fences, wattles, rip rap, check dams, drop structures, rock socks and erosion blankets); site grading to construct diversion dikes, berms, or vegetated swales; and reclamation of mining disturbed areas. • Conservation and maintenance of riparian buffers adjacent to stream channels • Adaptive management of mining practices to eliminate sources of contamination
Decreased streamflow in Currant Creek	• Discharge measurements at CC-1 and CC-2 indicate streamflow losses in the BLM Mining Area that are greater than the pre-disturbance baseline	• Initiate investigation in coordination with BLM and CDPHE to determine cause • Develop augmentation plan for impacted streamflows • Adaptive management of mining practices to minimize of eliminate impacts to streamflows

Impact	Indicators	Mitigation
Decreased streamflow in Tallahassee Creek	• Discharge measurements at TC-1 indicate lower streamflows than historic baseline or a decreasing trend with time	• Initiate investigation in coordination with BLM and CDPHE to determine cause • Develop augmentation plan for impacted streamflows • Adaptive management of mining practices to minimize of eliminate impacts to streamflows
Alteration of water quality or flow at springs	• Monitored parameters for springs within the BLM Mining Area indicate changing concentrations or flows compared to the pre-disturbance baseline	• Initiate investigation in coordination with BLM and CDPHE to determine cause • Develop plan to enhance or replace impacted spring flows. Methods to provide new water sources or improve existing water sources may include but are not limited to installation of water supply pumps in existing monitoring wells, installation of new water production wells, conveyance of water via pipes to spring locations from new or existing sources, installation of guzzlers or other surface water capture systems, development of impacted springs to enhance flow, installation of fencing or other protection measures to maintain spring flows • Mitigation of impacts to federal reserved water rights on Parkdale and Cactus Mountain springs has been completed by withdrawal of the water rights by BLM • Adaptive management of mining practices to minimize of eliminate impacts to spring flows and water quality

Impact	Indicators	Mitigation
Alteration of groundwater levels and water quality that affects availability or usability for groundwater users	• Decreasing water levels in monitoring wells MW-2, MW-4, MW-5, or MW-6 • Changes or trends in monitored water quality parameters in monitoring wells compared to pre-disturbance baseline data • Complaints from nearby groundwater users about decreasing water levels or water quality in wells	• Initiate investigation in coordination with BLM and CDPHE to determine cause • Initiate actions for the timely replacement or improvement of affected water supplies. Mitigation measures may include but are not limited to drilling new wells, deepening existing wells, making improvements to cisterns or other storage for domestic supplies, upgrades to filtration or other water treatment equipment or other comparable actions.

8. REFERENCES

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Colorado Department of Natural Resources Division of Water Resources (DWR) 2020b. Rules and Regulations for Water Well Construction, Pump Installation, Cistern Installation, and Observation Hole/Well Construction, 2 CCR 402-2.

Colorado Department of Public Health and Environment (CDPHE) 2020a. Integrated Water Quality Monitoring and Assessment Report 2020.

Colorado Department of Public Health and Environment (CDPHE) 2020b. Regulation No. 31 – The Basic standards and Methodologies for Surface Water, 5 CCR 1002-31.

Colorado Department of Public Health and Environment (CDPHE) 2020c. Regulation No. 32 – Classification and Numeric Standards for Arkansas River Basin, 5CCR 1002-32.

Colorado Department of Public Health and Environment (CDPHE) 2020c. Regulation No. 41 – The Basic Standards for Ground Water, 5CCR 1002-41.

ERM 2019. Interim Hydrogeologic Assessment, Parkdale Quarry Expansion Area.

Martin Marietta 2019. Parkdale Quarry Expansion Mineral Materials Competitive Sale COC-078119 Mining and Reclamation Plan.

United States Department of Interior Bureau of Land Management (BLM) 2020a. Decision Record for the Proposed Completive Minerals Material Sale (COC-078119) at Parkdale, Fremont County, Colorado. DOI-BLM-CO-F020-2019-0013-EIS.

United States Department of Interior Bureau of Land Management (BLM) 2020b. Proposed Completive Minerals Material Sale (COC-078119) at Parkdale, Fremont County, Colorado, Final Environmental Impact Statement, DOI-BLM-CO-F020-2019-0013-EIS.

United States Geological Survey (USGS) 2005. National Hydrography Dataset, HUC 1102. Available online: http://prd-tnm.s3-website-us-west-2.amazonaws.com/?prefix=StagedProducts/Hydrography/NHD/HU4/HighResolution/GDB/. Release date 3/14/2005. Accessed 10/2/2017.

Whetstone 2019. Scoping-Level Analysis of Area Potentially Affected by Drawdown Related Impacts for the Parkdale Quarry Expansion.

Appendix A
DWR Well Records

Permit	Current Status	Contact Name	DIV	WD	County
25221MH	Well Constructed	MASSEY, LEE	2	12	FREMONT
30210MH	Well Constructed	SHIPPEY, RONALD	2	12	FREMONT
78124	Well Constructed	BARTLESON	2	12	FREMONT
88822	Well Constructed	LITTLEFIELD, GEORGE L	2	12	FREMONT
140871-A	Well Constructed	CROWFOOT, FLOYD	2	12	FREMONT
145102	Well Constructed	PRUETT, FLOYD D	2	12	FREMONT
153943	Well Constructed	NUTLY, ALBERT J.	2	12	FREMONT
43341-A	Well Constructed	AJET	2	12	FREMONT
153943	Well Constructed	NUTLY, MARY ANN	2	12	FREMONT
155081	Well Constructed	KRESKI, JOHN	2	12	FREMONT
155081-A	Well Constructed	MORENO LEIDY SASTOQUE	2	12	FREMONT
155379	Well Constructed	BURKHOLDER NORMAN L & CONNIE J	2	12	FREMONT
47740-A	Well Constructed	KING ALEXANDER CAMPBELL	2	12	FREMONT
159430	Well Constructed	TOLLIS, GENE P	2	12	FREMONT
162121	Well Constructed	BROWN, MARK N	2	12	FREMONT
168370	Well Constructed	JOHNSON CURTIS & BLACKE HELENE	2	12	FREMONT
174707	Well Constructed	TOLLIS, ERNIE P	2	12	FREMONT
177783	Well Constructed	KRIZMAN, ARTHUR	2	12	FREMONT
192134	Well Constructed	BOWERS SPENCER & LINDSEY	2	12	FREMONT
46051F	Well Constructed	CAMP SCHIRADO LLC	2	12	FREMONT
194842	Well Constructed	DUNCAN, GEORGIA L	2	12	FREMONT
194843	Well Constructed	EMBRY, JACK	2	12	FREMONT
194841	Well Constructed	SKEPI, ESAT	2	12	FREMONT
194841	Well Constructed	ROFOFSKY, DAVID W.	2	12	FREMONT
195974	Well Constructed	KUEHL, ROBERT N	2	12	FREMONT
198721	Well Constructed	WILTSE DONALD CHARLES	2	12	FREMONT
198714	Well Constructed	EMBRY, DON J	2	12	FREMONT
198722	Well Constructed	WILTSE DONALD CHARLES	2	12	FREMONT
198715	Well Constructed	BEDFORD RUSSELL & SHARON LEE	2	12	FREMONT
198155	Well Constructed	MOSER MICHAEL & SWENSUN PHYLLIS	2	12	FREMONT
198713	Well Constructed	BAXTER, PAUL	2	12	FREMONT
202223	Well Constructed	ROBINSON, SAMUEL G	2	12	FREMONT
203262	Well Constructed	SHIPPEY, RONALD	2	12	FREMONT
207552	Well Constructed	MILLS ART & PATRICIA	2	12	FREMONT
208605	Well Constructed	COOPER DONALD E & MARTHA J	2	12	FREMONT
213831	Well Constructed	LESKOSKY, BERNICE P	2	12	FREMONT
213835	Well Constructed	MARCHAND GARY JOANN & HELEN	2	12	FREMONT
213832	Well Constructed	LESKOSKY, BERNICE P	2	12	FREMONT
215223	Well Constructed	BAUM, DOUGLAS W	2	12	FREMONT
198714-A	Well Constructed	IGLESIAS, FIDEL	2	12	FREMONT
215395	Well Constructed	DYE, WILLIAM E	2	12	FREMONT
215222	Well Constructed	GARETT, CAROL M	2	12	FREMONT
215394	Well Constructed	BRADSHAW DEAN & PATRICIA	2	12	FREMONT
215218	Well Constructed	BEAN, KEITH D	2	12	FREMONT
217453	Well Constructed	AMMEL HARVEY D & DEANNA L	2	12	FREMONT
221113	Well Constructed	KEELER, JOHN	2	12	FREMONT

Permit	Current Status	Contact Name	DIV	WD	County
233827	Well Constructed	CROSBY, JACKIE	2	12	FREMONT
235767	Well Constructed	NORHOLM, COLLEEN	2	12	FREMONT
237077	Well Constructed	SCHOMCKER DENNIS & KATHLEEN	2	12	FREMONT
238087	Well Constructed	HEYEN RON & JEANETTE	2	12	FREMONT
239701	Well Constructed	ASQUITH, JOHN	2	12	FREMONT
239701	Well Constructed	CARROLL, JANICE	2	12	FREMONT
46052F-R	Well Replaced	CAMP SCHIRADO LLC	2	12	FREMONT
258919	Well Constructed	SIMS JONATHAN M & PASLEY WHITNEY N	2	12	FREMONT
260350	Well Constructed	MARCHAND RANCH	2	12	FREMONT
43342-A	Well Constructed	WILLIAMS, BLAIR	2	12	FREMONT
270239	Well Constructed	TATUM MATTHEW C & KATIA	2	12	FREMONT
275470	Well Constructed	LYNN, STUART C.	2	12	FREMONT
275470	Well Constructed	LYNN, SALLY J.	2	12	FREMONT
276232	Well Constructed	LEWIS-MARTIN, CLAIRE	2	12	FREMONT
215983-A	Well Constructed	CLARK, JAMES	2	12	FREMONT
287455	Well Constructed	PHILLIPS, MICHAEL F	2	12	FREMONT
290267	Well Constructed	ELDRED JACQUE & MARKUS	2	12	FREMONT
292021	Well Constructed	CHALMERS HUGH & ROXANE	2	12	FREMONT
78822F	Well Constructed	FRONT RANGE AGGREGATES LLC	2	12	FREMONT
300506	Well Constructed	BARGER, TROY C	2	12	FREMONT
301600	Well Replaced	FEDIE, MARK	2	12	FREMONT
301597	Well Constructed	TABISH MARK & WENDY	2	12	FREMONT
301601	Well Constructed	FEDIE, MARK	2	12	FREMONT
301598	Well Constructed	SANDERS, JAMES W.	2	12	FREMONT
301603	Well Constructed	FEDIE, MARK	2	12	FREMONT
301598	Well Constructed	SANDERS, NANCY	2	12	FREMONT
301600-A	Well Constructed	CABAY, HEATHER L.	2	12	FREMONT
301600-A	Well Constructed	CABAY, JASON J.	2	12	FREMONT
144365	Well Constructed	ALVIES, DIANE	2	12	FREMONT
44904	Well Constructed	MASSEY, JAN E	2	12	FREMONT
21556	Well Constructed	FREDICKSON WALKER & BOMBERG	2	12	FREMONT
10350	Well Constructed	GOWDY, BENITA F	2	12	FREMONT
44202	Well Constructed	TYLER, ROGER	2	12	FREMONT
8568	Well Constructed	BARTGIS KELLY D & PAMELA J	2	12	FREMONT
47740	Well Constructed	CF&I STEEL CORPORATION	2	12	FREMONT
39396	Well Constructed	MASSEY, JAN E	2	12	FREMONT
43341	Well Constructed	CF & I STEEL CORP	2	12	FREMONT
43342	Well Constructed	CF & I STEEL CORP	2	12	FREMONT
55817	Well Constructed	MOUNT, IMOGEAN	2	12	FREMONT
108315	Well Constructed	BARTGIS KELLY D & PAMELA D	2	12	FREMONT
60502	Well Constructed	STEWART, LEONARD	2	12	FREMONT
68659	Well Constructed	WINKIEWICZ, FRANK	2	12	FREMONT
304787	Well Constructed	CAIN, DANIEL E	2	12	FREMONT
46052F-R	Well Constructed	SCHIRADO, RHONDA J.	2	12	FREMONT
305825	Well Constructed	BARRY, KENNETH J.	2	12	FREMONT
269359	Well Constructed	OWENS RICHARD W & KRISTY ANN	2	12	FREMONT

Permit	Current Status	Contact Name	DIV	WD	County
301599	Well Constructed	HOUDEK, GRETCHEN	2	12	FREMONT
198720	Well Constructed	ANDERSON, DONALD	2	12	FREMONT
198720	Well Constructed	SLEZAK, SUSAN	2	12	FREMONT
269113	Well Constructed	ALVIES, DIANE	2	12	FREMONT
312799	Well Constructed	PARKER, CHRISTOPHER A.	2	12	FREMONT

Permit	Designated Basin	Management District	Denver Basin Aquifer	PM	Township	Range
25221MH	<Null>	<Null>	No	S	18.0 S	71.0 W
30210MH	<Null>	<Null>	No	S	18.0 S	71.0 W
78124	<Null>	<Null>	No	S	18.0 S	71.0 W
88822	<Null>	<Null>	No	S	18.0 S	71.0 W
140871-A	<Null>	<Null>	No	S	18.0 S	71.0 W
145102	<Null>	<Null>	No	S	18.0 S	71.0 W
153943	<Null>	<Null>	No	S	18.0 S	71.0 W
43341-A	<Null>	<Null>	No	S	18.0 S	71.0 W
153943	<Null>	<Null>	No	S	18.0 S	71.0 W
155081	<Null>	<Null>	No	S	18.0 S	71.0 W
155081-A	<Null>	<Null>	No	S	18.0 S	71.0 W
155379	<Null>	<Null>	No	S	18.0 S	71.0 W
47740-A	<Null>	<Null>	No	S	18.0 S	71.0 W
159430	<Null>	<Null>	No	S	18.0 S	71.0 W
162121	<Null>	<Null>	No	S	18.0 S	71.0 W
168370	<Null>	<Null>	No	S	18.0 S	71.0 W
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177783	<Null>	<Null>	No	S	18.0 S	71.0 W
192134	<Null>	<Null>	No	S	17.0 S	71.0 W
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203262	<Null>	<Null>	No	S	18.0 S	71.0 W
207552	<Null>	<Null>	No	S	17.0 S	71.0 W
208605	<Null>	<Null>	No	S	18.0 S	72.0 W
213831	<Null>	<Null>	No	S	18.0 S	71.0 W
213835	<Null>	<Null>	No	S	17.0 S	72.0 W
213832	<Null>	<Null>	No	S	18.0 S	71.0 W
215223	<Null>	<Null>	No	S	17.0 S	71.0 W
198714-A	<Null>	<Null>	No	S	17.0 S	71.0 W
215395	<Null>	<Null>	No	S	17.0 S	71.0 W
215222	<Null>	<Null>	No	S	18.0 S	71.0 W
215394	<Null>	<Null>	No	S	17.0 S	71.0 W
215218	<Null>	<Null>	No	S	18.0 S	71.0 W
217453	<Null>	<Null>	No	S	18.0 S	71.0 W
221113	<Null>	<Null>	No	S	17.0 S	72.0 W

Permit	Designated Basin	Management District	Denver Basin Aquifer	PM	Township	Range
233827	<Null>	<Null>	No	S	18.0 S	71.0 W
235767	<Null>	<Null>	No	S	18.0 S	71.0 W
237077	<Null>	<Null>	No	S	18.0 S	71.0 W
238087	<Null>	<Null>	No	S	18.0 S	71.0 W
239701	<Null>	<Null>	No	S	18.0 S	71.0 W
239701	<Null>	<Null>	No	S	18.0 S	71.0 W
46052F-R	<Null>	<Null>	No	S	18.0 S	71.0 W
258919	<Null>	<Null>	No	S	18.0 S	71.0 W
260350	<Null>	<Null>	No	S	17.0 S	72.0 W
43342-A	<Null>	<Null>	No	S	18.0 S	71.0 W
270239	<Null>	<Null>	No	S	18.0 S	71.0 W
275470	<Null>	<Null>	No	S	18.0 S	71.0 W
275470	<Null>	<Null>	No	S	18.0 S	71.0 W
276232	<Null>	<Null>	No	S	18.0 S	71.0 W
215983-A	<Null>	<Null>	No	S	18.0 S	71.0 W
287455	<Null>	<Null>	No	S	18.0 S	71.0 W
290267	<Null>	<Null>	No	S	18.0 S	71.0 W
292021	<Null>	<Null>	No	S	18.0 S	71.0 W
78822F	<Null>	<Null>	No	S	18.0 S	72.0 W
300506	<Null>	<Null>	No	S	17.0 S	72.0 W
301600	<Null>	<Null>	No	S	17.0 S	72.0 W
301597	<Null>	<Null>	No	S	17.0 S	72.0 W
301601	<Null>	<Null>	No	S	17.0 S	72.0 W
301598	<Null>	<Null>	No	S	17.0 S	72.0 W
301603	<Null>	<Null>	No	S	17.0 S	72.0 W
301598	<Null>	<Null>	No	S	17.0 S	72.0 W
301600-A	<Null>	<Null>	No	S	17.0 S	72.0 W
301600-A	<Null>	<Null>	No	S	17.0 S	72.0 W
144365	<Null>	<Null>	No	S	18.0 S	71.0 W
44904	<Null>	<Null>	No	S	18.0 S	71.0 W
21556	<Null>	<Null>	No	S	18.0 S	71.0 W
10350	<Null>	<Null>	No	S	18.0 S	71.0 W
44202	<Null>	<Null>	No	S	18.0 S	71.0 W
8568	<Null>	<Null>	No	S	17.0 S	72.0 W
47740	<Null>	<Null>	No	S	18.0 S	71.0 W
39396	<Null>	<Null>	No	S	18.0 S	71.0 W
43341	<Null>	<Null>	No	S	18.0 S	71.0 W
43342	<Null>	<Null>	No	S	18.0 S	71.0 W
55817	<Null>	<Null>	No	S	17.0 S	71.0 W
108315	<Null>	<Null>	No	S	17.0 S	72.0 W
60502	<Null>	<Null>	No	S	18.0 S	71.0 W
68659	<Null>	<Null>	No	S	18.0 S	71.0 W
304787	<Null>	<Null>	No	S	18.0 S	71.0 W
46052F-R	<Null>	<Null>	No	S	18.0 S	71.0 W
305825	<Null>	<Null>	No	S	17.0 S	72.0 W
269359	<Null>	<Null>	No	S	17.0 S	71.0 W

Permit	Designated Basin	Management District	Denver Basin Aquifer	PM	Township	Range
301599	<Null>	<Null>	No	S	17.0 S	72.0 W
198720	<Null>	<Null>	No	S	18.0 S	71.0 W
198720	<Null>	<Null>	No	S	18.0 S	71.0 W
269113	<Null>	<Null>	No	S	18.0 S	71.0 W
312799	<Null>	<Null>	No	S	17.0 S	72.0 W

Permit	Township_D	Range_D	Section	Q10	Q40	Q160	CoordsEW	CoordsEW Dir	CoordsNS
25221MH	-18	-71	8	<Null>	NE	NE	<Null>	<Null>	<Null>
30210MH	-18	-71	8	<Null>	SW	NE	<Null>	<Null>	<Null>
78124	-18	-71	8	<Null>	SE	SE	16	E	150
88822	-18	-71	5	<Null>	SE	SE	1086	E	1150
140871-A	-18	-71	5	<Null>	SE	SE	900	E	500
145102	-18	-71	8	<Null>	SE	NE	300	E	2600
153943	-18	-71	5	<Null>	NW	SW	2170	W	1740
43341-A	-18	-71	7	<Null>	SE	SW	4224	E	3960
153943	-18	-71	5	<Null>	NW	SW	2170	W	1740
155081	-18	-71	9	<Null>	SW	NW	600	W	1800
155081-A	-18	-71	9	<Null>	SW	NW	760	W	2080
155379	-18	-71	17	<Null>	NW	SE	2900	W	3500
47740-A	-18	-71	7	<Null>	SW	SW	890	W	1040
159430	-18	-71	9	<Null>	SW	SW	500	W	1000
162121	-18	-71	8	<Null>	SW	SW	1100	W	100
168370	-18	-71	17	<Null>	SE	SE	660	E	660
174707	-18	-71	17	<Null>	SE	NE	845	E	1745
177783	-18	-71	8	<Null>	SE	NE	150	E	1450
192134	-17	-71	32	<Null>	NW	SW	900	W	1520
46051F	-18	-71	8	<Null>	NE	NE	400	E	1300
194842	-18	-71	6	<Null>	NE	NE	400	E	800
194843	-17	-71	31	<Null>	SE	SE	400	E	200
194841	-17	-71	31	<Null>	SE	SW	2500	W	1162
194841	-17	-71	31	<Null>	SE	SW	2500	W	1162
195974	-17	-71	32	<Null>	NW	SW	800	W	1400
198721	-18	-71	6	<Null>	NE	NW	1850	<Null>	450
198714	-17	-71	31	<Null>	SW	NW	1250	W	2050
198722	-18	-71	6	<Null>	NE	NW	2300	W	450
198715	-17	-71	31	<Null>	SW	NW	400	W	2050
198155	-17	-71	31	<Null>	NE	SW	2200	W	2300
198713	-17	-71	31	<Null>	NW	SE	2850	W	1600
202223	-17	-71	32	<Null>	SW	SW	500	W	100
203262	-18	-71	8	<Null>	SW	NE	1600	E	2000
207552	-17	-71	30	<Null>	SW	SW	1000	W	100
208605	-18	-72	11	<Null>	SE	SE	530	E	725
213831	-18	-71	17	<Null>	NE	SE	850	E	2550
213835	-17	-72	26	<Null>	SE	SE	400	E	1120
213832	-18	-71	17	<Null>	NE	SE	660	E	1980
215223	-17	-71	31	<Null>	SW	SE	2000	E	800
198714-A	-17	-71	31	<Null>	SW	NW	1070	W	1640
215395	-17	-71	31	<Null>	NW	SW	1100	W	1600
215222	-18	-71	6	<Null>	NW	NW	500	W	550
215394	-17	-71	31	<Null>	NW	SW	525	W	1550
215218	-18	-71	6	<Null>	NW	NW	200	W	550
217453	-18	-71	6	<Null>	NW	NE	1910	E	390
221113	-17	-72	25	<Null>	SE	SW	2400	W	1000

Permit	Township_D	Range_D	Section	Q10	Q40	Q160	CoordsEW	CoordsEW Dir	CoordsNS
233827	-18	-71	5	<Null>	NE	SW	1200	W	2700
235767	-18	-71	8	<Null>	NW	NE	1980	E	660
237077	-18	-71	5	<Null>	SE	SW	2400	W	450
238087	-18	-71	8	<Null>	NW	NW	525	W	375
239701	-18	-71	5	<Null>	SE	SW	1500	W	1050
239701	-18	-71	5	<Null>	SE	SW	1500	W	1050
46052F-R	-18	-71	8	<Null>	NE	NE	59	E	169
258919	-18	-71	5	<Null>	SW	SE	2025	E	900
260350	-17	-72	26	<Null>	NW	SW	854	W	85
43342-A	-18	-71	18	<Null>	NW	NE	2415	E	10
270239	-18	-71	4	<Null>	SW	NW	336	W	546
275470	-18	-71	5	<Null>	NE	NE	26	E	646
275470	-18	-71	5	<Null>	NE	NE	26	E	646
276232	-18	-71	8	<Null>	NW	NW	582	W	321
215983-A	-18	-71	7	<Null>	NE	SE	749	E	2383
287455	-18	-71	8	<Null>	NW	NE	1814	E	1055
290267	-18	-71	8	<Null>	NW	SE	2043	E	1481
292021	-18	-71	5	<Null>	SE	SE	850	E	900
78822F	-18	-72	12	<Null>	SE	SW	1744	W	672
300506	-17	-72	36	<Null>	NE	NW	1377	W	739
301600	-17	-72	36	<Null>	SE	NE	960	E	2438
301597	-17	-72	36	<Null>	<Null>	<Null>	2595	W	2305
301601	-17	-72	36	<Null>	<Null>	<Null>	1176	E	2059
301598	-17	-72	36	<Null>	<Null>	<Null>	2589	E	1514
301603	-17	-72	36	<Null>	NW	SE	1935	E	2162
301598	-17	-72	36	<Null>	<Null>	<Null>	2589	E	1514
301600-A	-17	-72	36	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
301600-A	-17	-72	36	<Null>	<Null>	<Null>	<Null>	<Null>	<Null>
144365	-18	-71	17	<Null>	NW	NE	1625	E	400
44904	-18	-71	8	<Null>	NE	NE	600	E	100
21556	-18	-71	17	<Null>	NE	NW	<Null>	<Null>	<Null>
10350	-18	-71	5	<Null>	NE	NE	1041	W	185
44202	-18	-71	8	<Null>	NE	NE	<Null>	<Null>	<Null>
8568	-17	-72	26	<Null>	SE	SW	<Null>	<Null>	<Null>
47740	-18	-71	7	<Null>	SW	SW	2090	W	500
39396	-18	-71	8	<Null>	NE	NE	372	E	100
43341	-18	-71	7	<Null>	SE	SW	2360	W	280
43342	-18	-71	18	<Null>	NW	NE	2530	E	140
55817	-17	-71	31	<Null>	NE	SE	<Null>	<Null>	<Null>
108315	-17	-72	34	<Null>	NE	NE	50	E	800
60502	-18	-71	8	<Null>	NE	SE	<Null>	<Null>	<Null>
68659	-18	-71	5	<Null>	SE	SE	570	E	310
304787	-18	-71	5	<Null>	NW	NE	<Null>	<Null>	<Null>
46052F-R	-18	-71	8	<Null>	NE	NE	<Null>	<Null>	<Null>
305825	-17	-72	36	<Null>	NW	SE	<Null>	<Null>	<Null>
269359	-17	-71	31	<Null>	SW	NW	<Null>	<Null>	<Null>

Permit	Township_D	Range_D	Section	Q10	Q40	Q160	CoordsEW	CoordsEW Dir	CoordsNS
301599	-17	-72	36	<Null>	SE	SW	<Null>	<Null>	<Null>
198720	-18	-71	6	<Null>	NE	NW	<Null>	<Null>	<Null>
198720	-18	-71	6	<Null>	NE	NW	<Null>	<Null>	<Null>
269113	-18	-71	17	<Null>	NW	NE	<Null>	<Null>	<Null>
312799	-17	-72	36	<Null>	NE	SW	<Null>	<Null>	<Null>

Permit	CoordsNS Dir	UTM x	UTM y	Latitude	Longitude	Location Accuracy
25221MH	<Null>	469494.8	4261460.6	38.500984	-105.349843	Spotted from quarters
30210MH	<Null>	469146.6	4261050.6	38.497277	-105.353818	Spotted from quarters
78124	S	469751.4	4260092	38.488659	-105.346841	Spotted from section lines
88822	S	469316.4	4262008	38.505911	-105.351913	Spotted from section lines
140871-A	S	469385.4	4261812.1	38.504148	-105.351113	Spotted from section lines
145102	N	469621.5	4260873.6	38.495698	-105.348365	Spotted from section lines
153943	S	468893.2	4262176.6	38.507416	-105.356774	Spotted from section lines
43341-A	N	466965.9	4260396.1	38.491301	-105.378794	Spotted from section lines
153943	S	468893.2	4262176.6	38.507416	-105.356774	Spotted from section lines
155081	N	469882.1	4261126.1	38.497983	-105.345387	Spotted from section lines
155081-A	N	469935.6	4261043.1	38.497237	-105.34477	Spotted from section lines
155379	N	469198.2	4258982.1	38.478638	-105.353135	Spotted from section lines
47740-A	S	466964.3	4260310.1	38.490526	-105.378809	Spotted from section lines
159430	S	469894.3	4260352.6	38.491012	-105.345214	Spotted from section lines
162121	S	468607.2	4260077.1	38.488485	-105.35996	Spotted from section lines
168370	S	469676.9	4258639.6	38.475568	-105.347633	Spotted from section lines
174707	N	469546.1	4259516.1	38.483462	-105.34917	Spotted from section lines
177783	N	469647.8	4261224.6	38.498862	-105.348078	Spotted from section lines
192134	S	468571.6	4263644	38.52063	-105.360529	Spotted from section lines
46051F	N	469569.2	4261268.1	38.499252	-105.348981	Spotted from section lines
194842	N	468172.4	4262925.1	38.514136	-105.365075	Spotted from section lines
194843	S	468189.8	4263233.1	38.516912	-105.36489	Spotted from section lines
194841	S	466979.5	4263523.1	38.519481	-105.378786	Spotted from section lines
194841	S	466979.5	4263523.1	38.519481	-105.378786	Spotted from section lines
195974	S	468542.5	4263606.6	38.520291	-105.360861	Spotted from section lines
198721	N	467283.4	4262946.5	38.514296	-105.375273	User supplied
198714	N	466610	4264114.6	38.524798	-105.383053	Spotted from section lines
198722	N	467376.8	4263005.6	38.514832	-105.374205	Spotted from section lines
198715	N	466350.9	4264111.6	38.524761	-105.386025	Spotted from section lines
198155	S	466894.8	4263869.6	38.522601	-105.379774	Spotted from section lines
198713	S	467088.8	4263657.1	38.520693	-105.377539	Spotted from section lines
202223	S	468465.1	4263207.6	38.516692	-105.361731	Spotted from section lines
203262	N	469215.5	4261046.1	38.497239	-105.353028	Spotted from section lines
207552	S	466546.7	4264769.1	38.530694	-105.38381	Spotted from section lines
208605	N	464881.6	4261476.6	38.500958	-105.402748	Spotted from section lines
213831	S	469570.2	4259214	38.480741	-105.348881	Spotted from section lines
213835	S	464497.9	4265099.1	38.533589	-105.407333	Spotted from section lines
213832	S	469642.9	4259041.1	38.479185	-105.34804	Spotted from section lines
215223	S	467695.6	4263414.6	38.51853	-105.370567	Spotted from section lines
198714-A	N	466557.6	4264239.1	38.525918	-105.38366	Spotted from section lines
215395	S	466555.4	4263655.6	38.52066	-105.383657	Spotted from section lines
215222	N	466827.8	4262957	38.514375	-105.380499	Spotted from section lines
215394	S	466379.9	4263640.1	38.520513	-105.38567	Spotted from section lines
215218	N	466736.4	4262954.1	38.514345	-105.381548	Spotted from section lines
217453	N	467722.4	4263035.1	38.515111	-105.370242	Spotted from section lines
221113	S	465350.8	4265051.1	38.53319	-105.397545	Spotted from section lines

Permit	CoordsNS Dir	UTM x	UTM y	Latitude	Longitude	Location Accuracy
233827	N	468613.3	4262362.6	38.509082	-105.359993	Spotted from section lines
235767	N	469077	4261451.1	38.500884	-105.354634	Spotted from section lines
237077	S	468931.7	4261785.6	38.503894	-105.356315	Spotted from section lines
238087	N	468355.4	4261520.1	38.501481	-105.362913	Spotted from section lines
239701	S	468672.2	4261961.1	38.505466	-105.359299	Spotted from section lines
239701	S	468672.2	4261961.1	38.505466	-105.359299	Spotted from section lines
46052F-R	N	469654	4261615.1	38.502382	-105.348024	Spotted from section lines
258919	S	469035	4261925	38.505153	-105.355137	Spotted from section lines
260350	S	463251.8	4264804.5	38.530883	-105.421614	Spotted from section lines
43342-A	N	467538.3	4260013.5	38.487873	-105.372213	Spotted from section lines
270239	N	469685.1	4263054	38.51535	-105.34773	Spotted from section lines
275470	N	469577	4263013	38.51498	-105.34897	User supplied
275470	N	469577	4263013	38.51498	-105.34897	User supplied
276232	N	468371.9	4261537	38.50163	-105.36272	Spotted from section lines
215983-A	S	468007	4260763	38.494645	-105.366873	Spotted from section lines
287455	N	469134.3	4261332	38.499813	-105.353972	Spotted from section lines
290267	S	469110.9	4260497.5	38.492291	-105.354203	Spotted from section lines
292021	S	469393.1	4261934	38.505246	-105.35103	Spotted from section lines
78822F	S	465546.7	4260255.8	38.489983	-105.395061	User supplied
300506	N	465037	4264525	38.528436	-105.401119	User supplied
301600	N	465934.2	4263996	38.523704	-105.3908	Spotted from section lines
301597	N	465393.8	4264043	38.524106	-105.397001	Spotted from section lines
301601	S	465864.5	4263795.5	38.521894	-105.39159	Spotted from section lines
301598	S	465430.6	4263630.5	38.520391	-105.396559	Spotted from section lines
301603	S	465633.7	4263827.5	38.522174	-105.394239	Spotted from section lines
301598	S	465430.6	4263630.5	38.520391	-105.396559	Spotted from section lines
301600-A	<Null>	465418	4263957	38.523332	-105.39672	Spotted from quarters
301600-A	<Null>	465418	4263957	38.523332	-105.39672	Spotted from quarters
144365	N	469273.7	4259925.1	38.487139	-105.352311	Spotted from section lines
44904	N	469488	4261632.1	38.502529	-105.349929	Spotted from section lines
21556	<Null>	468841.6	4259847.1	38.486421	-105.357262	Spotted from quarters
10350	N	468626.5	4263126.5	38.51597	-105.35988	Spotted from section lines
44202	<Null>	469494.8	4261460.6	38.500984	-105.349843	Spotted from quarters
8568	<Null>	463604.7	4264973.6	38.532422	-105.417574	Spotted from quarters
47740	S	467335.5	4260161	38.489196	-105.374545	Spotted from section lines
39396	N	469557.5	4261633.6	38.502545	-105.349132	Spotted from section lines
43341	S	467420	4260097.1	38.488623	-105.373574	Spotted from section lines
43342	N	467504.7	4259972.6	38.487504	-105.372597	Spotted from section lines
55817	<Null>	468111.8	4263759.6	38.521654	-105.365808	Spotted from quarters
108315	N	462985.3	4264539.6	38.528485	-105.424657	Spotted from section lines
60502	<Null>	469539.3	4260652.6	38.493704	-105.349298	Spotted from quarters
68659	S	469489.6	4261756.5	38.503651	-105.349916	Spotted from section lines
304787	<Null>	468901	4263025	38.515068	-105.356732	GPS
46052F-R	<Null>	469654	4261615	38.502387	-105.348034	GPS
305825	<Null>	465478	4263918	38.522989	-105.396039	GPS
269359	<Null>	466860.3	4264288.5	38.526376	-105.380203	User supplied

Permit	CoordsNS Dir	UTM x	UTM y	Latitude	Longitude	Location Accuracy
301599	<Null>	465089	4263565	38.519793	-105.400484	User supplied
198720	<Null>	467102.6	4262996.5	38.514742	-105.377355	User supplied
198720	<Null>	467102.6	4262996.5	38.514742	-105.377355	User supplied
269113	<Null>	469244	4260003	38.487846	-105.352665	User supplied
312799	<Null>	465271	4263730	38.521287	-105.398405	User supplied

Permit	Parcel Name	Address	City	State	Postal Code
25221MH	<Null>	<Null>	<Null>	<Null>	<Null>
30210MH	<Null>	<Null>	<Null>	<Null>	<Null>
78124	<Null>	<Null>	<Null>	<Null>	<Null>
88822	<Null>	<Null>	<Null>	<Null>	<Null>
140871-A	CROWFOOT/NIMMO	<Null>	<Null>	<Null>	<Null>
145102	<Null>	<Null>	<Null>	<Null>	<Null>
153943	<Null>	321 COUNTY RD 353A	CANON CITY	CO	81212
43341-A	<Null>	<Null>	<Null>	<Null>	<Null>
153943	<Null>	321 COUNTY RD 353A	CANON CITY	CO	81212
155081	<Null>	<Null>	<Null>	<Null>	<Null>
155081-A	<Null>	<Null>	<Null>	<Null>	<Null>
155379	<Null>	<Null>	<Null>	<Null>	<Null>
47740-A	<Null>	<Null>	<Null>	<Null>	<Null>
159430	<Null>	<Null>	<Null>	<Null>	<Null>
162121	<Null>	<Null>	<Null>	<Null>	<Null>
168370	<Null>	<Null>	<Null>	<Null>	<Null>
174707	<Null>	<Null>	<Null>	<Null>	<Null>
177783	<Null>	<Null>	<Null>	<Null>	<Null>
192134	KUEHL RANCHETTES	<Null>	<Null>	<Null>	<Null>
46051F	<Null>	<Null>	<Null>	<Null>	<Null>
194842	CACTUS MOUNTAIN RANCH	<Null>	<Null>	<Null>	<Null>
194843	CACTUS MOUNTAIN RANCH	<Null>	<Null>	<Null>	<Null>
194841	CACTUS MOUNTAIN RANCH	<Null>	<Null>	<Null>	<Null>
194841	CACTUS MOUNTAIN RANCH	<Null>	<Null>	<Null>	<Null>
195974	KUEHL RANCHETTES	<Null>	<Null>	<Null>	<Null>
198721	CACTUS MOUNTAIN ESTATES	<Null>	<Null>	<Null>	<Null>
198714	CACTUS MOUNTAIN ESTATES	<Null>	<Null>	<Null>	<Null>
198722	CACTUS MOUNTAIN ESTATES	<Null>	<Null>	<Null>	<Null>
198715	CACTUS MOUNTAIN ESTATES	<Null>	<Null>	<Null>	<Null>
198155	CACTUS MOUNTAIN	<Null>	<Null>	<Null>	<Null>
198713	CACTUS MOUNTAIN ESTATES	<Null>	<Null>	<Null>	<Null>
202223	KUEHL RANCHETTES	<Null>	<Null>	<Null>	<Null>
203262	<Null>	<Null>	<Null>	<Null>	<Null>
207552	<Null>	<Null>	<Null>	<Null>	<Null>
208605	<Null>	<Null>	<Null>	<Null>	<Null>
213831	<Null>	<Null>	<Null>	<Null>	<Null>
213835	<Null>	<Null>	<Null>	<Null>	<Null>
213832	<Null>	<Null>	<Null>	<Null>	<Null>
215223	CACTUS MOUNTAIN ESTATES	<Null>	<Null>	<Null>	<Null>
198714-A	CACTUS MOUNTAIN ESTATES	<Null>	<Null>	<Null>	<Null>
215395	CACTUS MOUNTAIN ESTATES	<Null>	<Null>	<Null>	<Null>
215222	CACTUS MOUNTAIN ESTATES	<Null>	<Null>	<Null>	<Null>
215394	CACTUS MOUNTAIN ESTATES	<Null>	<Null>	<Null>	<Null>
215218	CACTUS MOUNTAIN ESTATES	<Null>	<Null>	<Null>	<Null>
217453	CACTUS MOUNTAIN ESTATES	<Null>	<Null>	<Null>	<Null>
221113	<Null>	3700 STATE HWY 9	CANON CITY	CO	81212

Permit	Parcel Name	Address	City	State	Postal Code
233827	<Null>	<Null>	<Null>	<Null>	<Null>
235767	STAR RANCH	<Null>	<Null>	<Null>	<Null>
237077	STAR RANCH	<Null>	<Null>	<Null>	<Null>
238087	STAR RANCH	<Null>	<Null>	<Null>	<Null>
239701	STAR RANCH	<Null>	<Null>	<Null>	<Null>
239701	STAR RANCH	<Null>	<Null>	<Null>	<Null>
46052F-R	<Null>	<Null>	<Null>	<Null>	<Null>
258919	<Null>	<Null>	<Null>	<Null>	<Null>
260350	<Null>	<Null>	<Null>	<Null>	<Null>
43342-A	<Null>	<Null>	<Null>	<Null>	<Null>
270239	<Null>	<Null>	<Null>	<Null>	<Null>
275470	<Null>	1094 COUNTY ROAD 62	CANYON CITY	CO	81212
275470	<Null>	1094 COUNTY ROAD 62	CANYON CITY	CO	81212
276232	STAR RANCH	<Null>	<Null>	<Null>	<Null>
215983-A	<Null>	<Null>	<Null>	<Null>	<Null>
287455	STAR RANCH	<Null>	<Null>	<Null>	<Null>
290267	ROYAL GORGE BLUFFS	<Null>	<Null>	<Null>	<Null>
292021	CROWFOOT/NIMMO	<Null>	<Null>	<Null>	<Null>
78822F	<Null>	<Null>	<Null>	<Null>	<Null>
300506	DOUBLE CREEK RANCH	<Null>	<Null>	<Null>	<Null>
301600	DOUBLE CREEK RANCH	<Null>	<Null>	<Null>	<Null>
301597	DOUBLE CREEK RANCH	<Null>	<Null>	<Null>	<Null>
301601	DOUBLE CREEK RANCH	<Null>	<Null>	<Null>	<Null>
301598	DOUBLE CREEK RANCH	<Null>	<Null>	<Null>	<Null>
301603	DOUBLE CREEK RANCH	<Null>	<Null>	<Null>	<Null>
301598	DOUBLE CREEK RANCH	<Null>	<Null>	<Null>	<Null>
301600-A	DOUBLE CREEK RANCH	<Null>	<Null>	<Null>	<Null>
301600-A	DOUBLE CREEK RANCH	<Null>	<Null>	<Null>	<Null>
144365	<Null>	<Null>	<Null>	<Null>	<Null>
44904	<Null>	<Null>	<Null>	<Null>	<Null>
21556	<Null>	<Null>	<Null>	<Null>	<Null>
10350	<Null>	<Null>	<Null>	<Null>	<Null>
44202	<Null>	<Null>	<Null>	<Null>	<Null>
8568	<Null>	<Null>	<Null>	<Null>	<Null>
47740	<Null>	<Null>	<Null>	<Null>	<Null>
39396	<Null>	<Null>	<Null>	<Null>	<Null>
43341	<Null>	<Null>	<Null>	<Null>	<Null>
43342	<Null>	<Null>	<Null>	<Null>	<Null>
55817	<Null>	<Null>	<Null>	<Null>	<Null>
108315	<Null>	<Null>	<Null>	<Null>	<Null>
60502	<Null>	<Null>	<Null>	<Null>	<Null>
68659	<Null>	<Null>	<Null>	<Null>	<Null>
304787	<Null>	<Null>	<Null>	<Null>	<Null>
46052F-R	<Null>	43595 US HWY 50	CANON CITY	CO	81212
305825	DOUBLE CREEK RANCH	<Null>	<Null>	<Null>	<Null>
269359	<Null>	2520 STATE HWY 9	CANON CITY	CO	81212

Permit	Parcel Name	Address	City	State	Postal Code
301599	DOUBLE CREEK RANCH	1111 HORSESHOE DR	CANON CITY	CO	81212
198720	CACTUS MOUNTAIN ESTATES	34 CACTUS DR W	CANON CITY	CO	81212
198720	CACTUS MOUNTAIN ESTATES	34 CACTUS DR W	CANON CITY	CO	81212
269113	<Null>	<Null>	<Null>	<Null>	<Null>
312799	DOUBLE CREEK RANCH	38 DOUBLE CREEK RD	CANYON CITY	CO	81212

Permit	Location Type	Permit Category	Permit Issued
25221MH	Well (Application/Permit)	Monitoring Hole (Notice of Intent)	2/28/1995
30210MH	Well (Application/Permit)	Monitoring Hole (Notice of Intent)	3/4/1997
78124	Well (Application/Permit)	Residential	2/20/1975
88822	Well (Application/Permit)	Residential	3/16/1977
140871-A	Well (Application/Permit)	Residential	8/20/1985
145102	Well (Application/Permit)	Residential	8/25/1987
153943	Well (Application/Permit)	Residential	4/28/1989
43341-A	Well (Application/Permit)	Residential	7/10/1989
153943	Well (Application/Permit)	Residential	4/28/1989
155081	Well (Application/Permit)	Residential	8/22/1989
155081-A	Well (Application/Permit)	Residential	8/22/1989
155379	Well (Application/Permit)	Residential	9/22/1989
47740-A	Well (Application/Permit)	Residential	5/30/1990
159430	Well (Application/Permit)	Residential	2/19/1991
162121	Well (Application/Permit)	Residential	10/23/1991
168370	Well (Application/Permit)	Residential	2/2/1993
174707	Well (Application/Permit)	Residential	11/19/1993
177783	Well (Application/Permit)	Residential	5/6/1994
192134	Well (Application/Permit)	Residential	12/27/1995
46051F	Well (Application/Permit)	General Purpose	2/1/1996
194842	Well (Application/Permit)	Residential	5/9/1996
194843	Well (Application/Permit)	Residential	5/9/1996
194841	Well (Application/Permit)	Residential	5/9/1996
194841	Well (Application/Permit)	Residential	5/9/1996
195974	Well (Application/Permit)	Residential	6/24/1996
198721	Well (Application/Permit)	Residential	10/3/1996
198714	Well (Application/Permit)	Residential	10/3/1996
198722	Well (Application/Permit)	Residential	10/3/1996
198715	Well (Application/Permit)	Residential	10/3/1996
198155	Well (Application/Permit)	Residential	9/13/1996
198713	Well (Application/Permit)	Residential	10/3/1996
202223	Well (Application/Permit)	Residential	4/17/1997
203262	Well (Application/Permit)	Residential	6/11/1997
207552	Well (Application/Permit)	Residential	1/15/1998
208605	Well (Application/Permit)	Residential	3/17/1998
213831	Well (Application/Permit)	Residential	11/12/1998
213835	Well (Application/Permit)	Residential	11/12/1998
213832	Well (Application/Permit)	Residential	11/12/1998
215223	Well (Application/Permit)	Residential	1/20/1999
198714-A	Well (Application/Permit)	Residential	2/11/1999
215395	Well (Application/Permit)	Residential	1/28/1999
215222	Well (Application/Permit)	Residential	1/20/1999
215394	Well (Application/Permit)	Residential	1/28/1999
215218	Well (Application/Permit)	Residential	1/20/1999
217453	Well (Application/Permit)	Residential	5/12/1999
221113	Well (Application/Permit)	Residential	10/8/1999

Permit	Location Type	Permit Category	Permit Issued
233827	Well (Application/Permit)	Residential	6/5/2001
235767	Well (Application/Permit)	Residential	8/28/2001
237077	Well (Application/Permit)	Residential	10/23/2001
238087	Well (Application/Permit)	Residential	12/4/2001
239701	Well (Application/Permit)	Residential	3/27/2002
239701	Well (Application/Permit)	Residential	3/27/2002
46052F-R	Well (Application/Permit)	General Purpose	7/25/2003
258919	Well (Application/Permit)	Residential	8/27/2004
260350	Well (Application/Permit)	Residential	11/15/2004
43342-A	Well (Application/Permit)	Residential	5/2/2006
270239	Well (Application/Permit)	Residential	8/21/2006
275470	Well (Application/Permit)	Residential	10/1/2007
275470	Well (Application/Permit)	Residential	10/1/2007
276232	Well (Application/Permit)	Residential	12/17/2007
215983-A	Well (Application/Permit)	Residential	9/11/2009
287455	Well (Application/Permit)	Residential	2/1/2012
290267	Well (Application/Permit)	Residential	2/1/2013
292021	Well (Application/Permit)	Residential	7/22/2013
78822F	Well (Application/Permit)	Gravel Pit	2/9/2015
300506	Well (Application/Permit)	Residential	3/18/2016
301600	Well (Application/Permit)	Residential	6/16/2016
301597	Well (Application/Permit)	Residential	6/16/2016
301601	Well (Application/Permit)	Residential	6/16/2016
301598	Well (Application/Permit)	Residential	6/16/2016
301603	Well (Application/Permit)	Residential	6/16/2016
301598	Well (Application/Permit)	Residential	6/16/2016
301600-A	Well (Application/Permit)	Residential	1/26/2017
301600-A	Well (Application/Permit)	Residential	1/26/2017
144365	Well (Application/Permit)	Residential	<Null>
44904	Well (Application/Permit)	Residential	3/18/1971
21556	Well (Application/Permit)	Residential	<Null>
10350	Well (Application/Permit)	Residential	<Null>
44202	Well (Application/Permit)	Residential	<Null>
8568	Well (Application/Permit)	Residential	<Null>
47740	Well (Application/Permit)	Residential	<Null>
39396	Well (Application/Permit)	Residential	9/22/1969
43341	Well (Application/Permit)	Residential	<Null>
43342	Well (Application/Permit)	Residential	<Null>
55817	Well (Application/Permit)	Residential	4/6/1972
108315	Well (Application/Permit)	Residential	<Null>
60502	Well (Application/Permit)	Residential	5/9/1972
68659	Well (Application/Permit)	Residential	5/1/1973
304787	Well (Construction Report)	Residential	3/9/2017
46052F-R	Well (Construction Report)	General Purpose	7/12/2017
305825	Well (Construction Report)	Residential	6/19/2017
269359	Well (Construction Report)	Residential	6/14/2006

Permit	Location Type	Permit Category	Permit Issued
301599	Well (Construction Report)	Residential	6/16/2016
198720	Well (Construction Report)	Residential	10/3/1996
198720	Well (Construction Report)	Residential	10/3/1996
269113	Well (Construction Report)	Residential	5/30/2006
312799	Well (Construction Report)	Residential	3/15/2019

Permit	First Beneficial Use	Permit Expires	Well Constructed	Pump Installed	Well Plugged
25221MH	<Null>	5/28/1995	3/14/1995	<Null>	<Null>
30210MH	<Null>	6/4/1997	3/21/1997	<Null>	<Null>
78124	<Null>	<Null>	10/14/1975	<Null>	<Null>
88822	11/21/1967	<Null>	<Null>	<Null>	<Null>
140871-A	<Null>	8/20/1987	10/8/1985	9/15/1995	<Null>
145102	<Null>	<Null>	9/22/1988	<Null>	<Null>
153943	1/15/1967	<Null>	<Null>	<Null>	<Null>
43341-A	<Null>	<Null>	6/15/1989	6/16/1989	<Null>
153943	1/15/1967	<Null>	<Null>	<Null>	<Null>
155081	8/31/1954	<Null>	<Null>	<Null>	<Null>
155081-A	<Null>	<Null>	6/15/1989	6/16/1989	<Null>
155379	<Null>	9/22/1991	10/21/1989	<Null>	<Null>
47740-A	<Null>	<Null>	5/29/1990	<Null>	<Null>
159430	<Null>	<Null>	3/8/1991	5/12/1992	<Null>
162121	<Null>	<Null>	11/15/1992	<Null>	<Null>
168370	<Null>	<Null>	3/11/1993	8/17/1994	<Null>
174707	<Null>	11/19/1995	<Null>	1/4/1994	<Null>
177783	<Null>	5/6/1996	10/7/1993	<Null>	<Null>
192134	<Null>	12/27/1997	4/30/1996	5/30/1996	<Null>
46051F	4/1/1996	2/1/1997	3/14/1995	3/10/1997	<Null>
194842	<Null>	5/9/1998	6/10/1996	5/18/1997	<Null>
194843	<Null>	5/9/1998	6/7/1996	2/28/1997	<Null>
194841	<Null>	5/9/1998	8/30/1996	<Null>	<Null>
194841	<Null>	5/9/1998	8/30/1996	<Null>	<Null>
195974	<Null>	6/24/1998	6/5/1996	7/1/1996	<Null>
198721	<Null>	10/3/1998	5/12/1997	<Null>	<Null>
198714	<Null>	10/3/1998	9/18/1998	<Null>	<Null>
198722	<Null>	10/3/1998	<Null>	10/20/1997	<Null>
198715	<Null>	10/3/1998	10/2/1998	10/19/1998	<Null>
198155	<Null>	9/13/1998	9/18/1996	4/19/1997	<Null>
198713	<Null>	10/3/1998	9/25/1998	<Null>	<Null>
202223	<Null>	4/17/1999	<Null>	6/10/1997	<Null>
203262	<Null>	6/11/1999	3/21/1997	7/16/2002	<Null>
207552	12/31/1950	<Null>	6/15/1968	<Null>	<Null>
208605	12/31/1960	<Null>	12/31/1960	<Null>	<Null>
213831	<Null>	11/12/2000	5/26/2000	6/23/2005	<Null>
213835	12/31/1936	<Null>	<Null>	<Null>	<Null>
213832	<Null>	11/12/2000	7/13/1987	<Null>	<Null>
215223	<Null>	1/20/2001	1/30/1999	3/16/1999	<Null>
198714-A	<Null>	2/11/2001	2/13/1999	3/11/1999	<Null>
215395	<Null>	1/28/2001	2/2/1999	2/8/2002	<Null>
215222	<Null>	1/20/2001	1/28/1999	3/22/1999	<Null>
215394	<Null>	1/28/2001	2/1/1999	4/20/2000	<Null>
215218	<Null>	1/20/2001	1/29/1999	3/19/1999	<Null>
217453	<Null>	5/12/2001	4/6/1992	<Null>	<Null>
221113	<Null>	10/8/2001	11/9/1999	<Null>	<Null>

Permit	First Beneficial Use	Permit Expires	Well Constructed	Pump Installed	Well Plugged
233827	<Null>	6/5/2003	7/31/2001	<Null>	<Null>
235767	<Null>	8/28/2003	12/27/2001	<Null>	<Null>
237077	<Null>	10/23/2003	10/31/2001	<Null>	<Null>
238087	<Null>	12/4/2003	1/3/2002	<Null>	<Null>
239701	<Null>	3/27/2004	5/2/2002	<Null>	<Null>
239701	<Null>	3/27/2004	5/2/2002	<Null>	<Null>
46052F-R	<Null>	7/25/2004	8/20/2003	8/24/2003	<Null>
258919	<Null>	8/27/2006	10/6/2004	<Null>	<Null>
260350	<Null>	11/15/2006	1/17/2005	1/21/2005	<Null>
43342-A	<Null>	5/2/2008	7/14/2006	<Null>	<Null>
270239	<Null>	8/21/2008	10/10/2006	1/11/2007	<Null>
275470	<Null>	10/1/2009	1/16/2008	4/11/2008	<Null>
275470	<Null>	10/1/2009	1/16/2008	4/11/2008	<Null>
276232	<Null>	12/17/2009	1/8/2008	1/31/2008	<Null>
215983-A	<Null>	9/11/2011	9/18/2009	9/24/2009	<Null>
287455	<Null>	2/1/2014	2/28/2012	<Null>	<Null>
290267	<Null>	2/1/2015	10/22/2013	<Null>	<Null>
292021	<Null>	<Null>	3/26/2004	<Null>	<Null>
78822F	<Null>	<Null>	10/18/2004	12/4/2004	<Null>
300506	<Null>	3/18/2018	4/13/2016	<Null>	<Null>
301600	<Null>	6/16/2018	8/25/2016	<Null>	10/6/2016
301597	<Null>	6/16/2018	9/15/2016	<Null>	<Null>
301601	<Null>	6/16/2018	8/31/2016	<Null>	<Null>
301598	<Null>	6/16/2018	3/17/2017	<Null>	<Null>
301603	<Null>	6/16/2018	9/12/2016	<Null>	<Null>
301598	<Null>	6/16/2018	3/17/2017	<Null>	<Null>
301600-A	<Null>	1/26/2019	3/15/2017	<Null>	<Null>
301600-A	<Null>	1/26/2019	3/15/2017	<Null>	<Null>
144365	7/14/1986	<Null>	<Null>	<Null>	<Null>
44904	<Null>	<Null>	<Null>	<Null>	<Null>
21556	9/23/1964	<Null>	<Null>	<Null>	<Null>
10350	8/28/1961	<Null>	<Null>	<Null>	<Null>
44202	1/14/1971	<Null>	<Null>	<Null>	<Null>
8568	4/30/1961	<Null>	<Null>	<Null>	<Null>
47740	1/7/1947	<Null>	5/29/1990	<Null>	<Null>
39396	9/26/1969	<Null>	9/26/1969	<Null>	<Null>
43341	1/7/1947	<Null>	<Null>	<Null>	<Null>
43342	1/7/1972	<Null>	<Null>	<Null>	<Null>
55817	3/21/1974	<Null>	3/21/1974	<Null>	<Null>
108315	9/8/1979	<Null>	<Null>	<Null>	<Null>
60502	3/20/1973	<Null>	3/20/1973	<Null>	<Null>
68659	5/1/1973	<Null>	5/24/1973	<Null>	<Null>
304787	<Null>	3/9/2019	4/20/2017	<Null>	<Null>
46052F-R	<Null>	7/12/2018	7/17/2017	<Null>	<Null>
305825	<Null>	6/19/2019	9/14/2017	<Null>	<Null>
269359	<Null>	6/14/2008	10/13/2006	3/28/2018	<Null>

Permit	First Beneficial Use	Permit Expires	Well Constructed	Pump Installed	Well Plugged
301599	<Null>	6/16/2018	<Null>	4/20/2018	<Null>
198720	<Null>	10/3/1998	5/12/1997	6/25/2018	<Null>
198720	<Null>	10/3/1998	5/12/1997	6/25/2018	<Null>
269113	<Null>	5/30/2008	6/8/2006	6/5/2019	<Null>
312799	<Null>	3/15/2021	6/27/2019	7/19/2019	<Null>

Permit	Associated Aquifers	Associated Uses	Elevation	Well Depth
25221MH	ALL UNNAMED AQUIFERS	Monitoring/Sampling	<Null>	380
30210MH	ALL UNNAMED AQUIFERS	Monitoring/Sampling	<Null>	380
78124	ALL UNNAMED AQUIFERS	Stock	<Null>	200
88822	ALL UNNAMED AQUIFERS	Domestic, Stock	<Null>	<Null>
140871-A	ALL UNNAMED AQUIFERS	Domestic	<Null>	<Null>
145102	ALL UNNAMED AQUIFERS	Domestic, Stock	<Null>	350
153943	ALL UNNAMED AQUIFERS	Domestic, Stock	<Null>	<Null>
43341-A	ALL UNNAMED AQUIFERS	Domestic	<Null>	80
153943	ALL UNNAMED AQUIFERS	Domestic, Stock	<Null>	<Null>
155081	ALL UNNAMED AQUIFERS	Household use only	<Null>	264
155081-A	ALL UNNAMED AQUIFERS	Household use only	<Null>	247
155379	ALL UNNAMED AQUIFERS	Domestic	<Null>	158
47740-A	ALL UNNAMED AQUIFERS	Domestic, Industrial	<Null>	320
159430	ALL UNNAMED AQUIFERS	Domestic, Stock	<Null>	360
162121	ALL UNNAMED AQUIFERS	Domestic, Stock	<Null>	250
168370	ALL UNNAMED AQUIFERS	Domestic	<Null>	300
174707	ALL UNNAMED AQUIFERS	Domestic	<Null>	200
177783	ALL UNNAMED AQUIFERS	Commercial	<Null>	175
192134	ALL UNNAMED AQUIFERS	Domestic	<Null>	175
46051F	ALL UNNAMED AQUIFERS	Domestic	<Null>	380
194842	ALL UNNAMED AQUIFERS	Domestic, Stock	<Null>	395
194843	ALL UNNAMED AQUIFERS	Domestic, Stock	<Null>	475
194841	ALL UNNAMED AQUIFERS	Domestic, Stock	<Null>	475
194841	ALL UNNAMED AQUIFERS	Domestic, Stock	<Null>	475
195974	ALL UNNAMED AQUIFERS	Domestic	<Null>	395
198721	ALL UNNAMED AQUIFERS	Domestic	<Null>	300
198714	ALL UNNAMED AQUIFERS	Domestic	<Null>	750
198722	ALL UNNAMED AQUIFERS	Domestic	<Null>	300
198715	ALL UNNAMED AQUIFERS	Domestic	0	550
198155	ALL UNNAMED AQUIFERS	Domestic	<Null>	125
198713	ALL UNNAMED AQUIFERS	Domestic	<Null>	275
202223	ALL UNNAMED AQUIFERS	Domestic	<Null>	225
203262	ALL UNNAMED AQUIFERS	Domestic, Stock	<Null>	380
207552	ALL UNNAMED AQUIFERS	Domestic	<Null>	628
208605	ALL UNNAMED AQUIFERS	Stock	<Null>	110
213831	ALL UNNAMED AQUIFERS	Household use only	<Null>	550
213835	ALL UNNAMED AQUIFERS	Stock	<Null>	<Null>
213832	ALL UNNAMED AQUIFERS	Household use only	<Null>	300
215223	ALL UNNAMED AQUIFERS	Domestic	<Null>	550
198714-A	ALL UNNAMED AQUIFERS	Domestic	<Null>	350
215395	ALL UNNAMED AQUIFERS	Domestic	<Null>	600
215222	ALL UNNAMED AQUIFERS	Domestic	<Null>	700
215394	ALL UNNAMED AQUIFERS	Domestic	<Null>	350
215218	ALL UNNAMED AQUIFERS	Domestic	<Null>	675
217453	ALL UNNAMED AQUIFERS	Domestic, Storage	<Null>	335
221113	ALL UNNAMED AQUIFERS	Domestic, Stock	<Null>	32

Permit	Associated Aquifers	Associated Uses	Elevation	Well Depth
233827	ALL UNNAMED AQUIFERS	Domestic	<Null>	180
235767	ALL UNNAMED AQUIFERS	Domestic	<Null>	200
237077	ALL UNNAMED AQUIFERS	Domestic	<Null>	215
238087	ALL UNNAMED AQUIFERS	Domestic	<Null>	515
239701	ALL UNNAMED AQUIFERS	Domestic	<Null>	315
239701	ALL UNNAMED AQUIFERS	Domestic	<Null>	315
46052F-R	ALL UNNAMED AQUIFERS	Commercial	<Null>	100
258919	ALL UNNAMED AQUIFERS	Domestic	<Null>	225
260350	ALL UNNAMED AQUIFERS	Domestic	<Null>	480
43342-A	ALL UNNAMED AQUIFERS	Domestic	<Null>	240
270239	ALL UNNAMED AQUIFERS	Domestic, Stock	<Null>	280
275470	ALL UNNAMED AQUIFERS	Domestic, Stock	<Null>	460
275470	ALL UNNAMED AQUIFERS	Domestic, Stock	<Null>	460
276232	ALL UNNAMED AQUIFERS	Domestic, Stock	<Null>	580
215983-A	ALL UNNAMED AQUIFERS	Domestic	<Null>	290
287455	ALL UNNAMED AQUIFERS	Domestic	<Null>	320
290267	ALL UNNAMED AQUIFERS	Domestic, Stock	<Null>	400
292021	ALL UNNAMED AQUIFERS	Household use only	<Null>	<Null>
78822F	ALL UNNAMED AQUIFERS	Other	<Null>	<Null>
300506	ALL UNNAMED AQUIFERS	Domestic	<Null>	775
301600	ALL UNNAMED AQUIFERS	Domestic	<Null>	500
301597	ALL UNNAMED AQUIFERS	Domestic	<Null>	100
301601	ALL UNNAMED AQUIFERS	Domestic	<Null>	600
301598	ALL UNNAMED AQUIFERS	Domestic	<Null>	100
301603	ALL UNNAMED AQUIFERS	Domestic	<Null>	200
301598	ALL UNNAMED AQUIFERS	Domestic	<Null>	100
301600-A	ALL UNNAMED AQUIFERS	Domestic	<Null>	100
301600-A	ALL UNNAMED AQUIFERS	Domestic	<Null>	100
144365	ALL UNNAMED AQUIFERS	Domestic	<Null>	<Null>
44904	ALL UNNAMED AQUIFERS	Domestic	<Null>	22
21556	ALL UNNAMED AQUIFERS	Domestic	<Null>	<Null>
10350	ALL UNNAMED AQUIFERS	Domestic	<Null>	<Null>
44202	ALL UNNAMED AQUIFERS	Domestic	<Null>	<Null>
8568	ALL UNNAMED AQUIFERS	Stock	<Null>	<Null>
47740	ALL UNNAMED AQUIFERS	Domestic	<Null>	320
39396	ALL UNNAMED AQUIFERS	Domestic	<Null>	220
43341	ALL UNNAMED AQUIFERS	Domestic	<Null>	<Null>
43342	ALL UNNAMED AQUIFERS	Domestic	<Null>	<Null>
55817	ALL UNNAMED AQUIFERS	Domestic, Stock	<Null>	173
108315	ALL UNNAMED AQUIFERS	Domestic	<Null>	<Null>
60502	ALL UNNAMED AQUIFERS	Domestic, Stock	<Null>	80
68659	ALL UNNAMED AQUIFERS	Household use only	<Null>	50
304787	ALL UNNAMED AQUIFERS	Domestic	<Null>	175
46052F-R	DAKOTA	Commercial	<Null>	250
305825	ALL UNNAMED AQUIFERS	Domestic, Irrigation	<Null>	100
269359	ALL UNNAMED AQUIFERS	Household use only	<Null>	320

Permit	Associated Aquifers	Associated Uses	Elevation	Well Depth
301599	ALL UNNAMED AQUIFERS	Domestic	<Null>	100
198720	ALL UNNAMED AQUIFERS	Domestic	<Null>	280
198720	ALL UNNAMED AQUIFERS	Domestic	<Null>	280
269113	ALL UNNAMED AQUIFERS	Domestic, Stock	<Null>	360
312799	ALL UNNAMED AQUIFERS	Domestic, Stock	<Null>	100

Permit	Top Perforated Casing	Bottom Perforated Casing	Yield	Static Water Level
25221MH	60	380	<Null>	65
30210MH	40	380	<Null>	50
78124	38	200	<Null>	42
88822	<Null>	<Null>	<Null>	<Null>
140871-A	<Null>	<Null>	<Null>	<Null>
145102	40	350	<Null>	50
153943	<Null>	<Null>	<Null>	<Null>
43341-A	40	80	10	37
153943	<Null>	<Null>	<Null>	<Null>
155081	<Null>	<Null>	<Null>	<Null>
155081-A	204	264	2	235
155379	20	158	<Null>	25
47740-A	200	320	<Null>	60
159430	80	360	1	85
162121	<Null>	<Null>	<Null>	100
168370	255	295	2	120
174707	<Null>	<Null>	1	41
177783	60	175	<Null>	30
192134	115	175	13	90
46051F	60	380	2.25	60
194842	335	395	5	136
194843	415	475	2	64
194841	405	455	<Null>	70
194841	405	455	<Null>	70
195974	335	395	10	6
198721	220	280	<Null>	55
198714	<Null>	<Null>	<Null>	<Null>
198722	<Null>	<Null>	5	105
198715	450	550	1.5	362
198155	105	125	8	25
198713	215	275	<Null>	50
202223	<Null>	<Null>	7	80
203262	40	380	1	50
207552	254	355	<Null>	5
208605	<Null>	<Null>	<Null>	<Null>
213831	470	530	4	200
213835	<Null>	<Null>	<Null>	<Null>
213832	200	300	<Null>	60
215223	410	550	7	135
198714-A	290	350	6	50
215395	500	600	12	190
215222	560	700	1.5	225
215394	270	330	1.75	38
215218	575	675	1.25	178
217453	160	335	<Null>	130
221113	21	32	<Null>	15

Permit	Top Perforated Casing	Bottom Perforated Casing	Yield	Static Water Level
233827	80	180	<Null>	80
235767	120	200	<Null>	10
237077	175	215	<Null>	102
238087	315	515	<Null>	<Null>
239701	255	315	<Null>	128
239701	255	315	<Null>	128
46052F-R	60	80	12	7
258919	185	225	<Null>	1
260350	400	480	7	30
43342-A	160	240	<Null>	90
270239	200	280	10	43
275470	380	460	7.5	0
275470	380	460	7.5	0
276232	500	580	8	100
215983-A	210	290	12	40
287455	260	320	<Null>	10
290267	320	400	<Null>	45
292021	<Null>	<Null>	<Null>	<Null>
78822F	<Null>	35	<Null>	30
300506	<Null>	<Null>	<Null>	<Null>
301600	300	500	<Null>	10
301597	40	100	<Null>	10
301601	60	580	<Null>	46
301598	21	100	<Null>	14
301603	40	200	<Null>	<Null>
301598	21	100	<Null>	14
301600-A	21	100	<Null>	11
301600-A	21	100	<Null>	11
144365	<Null>	<Null>	<Null>	<Null>
44904	<Null>	<Null>	<Null>	20
21556	<Null>	<Null>	<Null>	<Null>
10350	<Null>	<Null>	<Null>	<Null>
44202	<Null>	<Null>	<Null>	<Null>
8568	<Null>	<Null>	<Null>	<Null>
47740	200	320	<Null>	60
39396	180	220	<Null>	35
43341	<Null>	<Null>	<Null>	<Null>
43342	<Null>	<Null>	<Null>	<Null>
55817	<Null>	<Null>	<Null>	<Null>
108315	<Null>	<Null>	<Null>	<Null>
60502	40	80	<Null>	20
68659	10	50	<Null>	10
304787	<Null>	<Null>	<Null>	50
46052F-R	<Null>	<Null>	<Null>	29
305825	<Null>	<Null>	<Null>	16
269359	240	320	3	85

Permit	Top Perforated Casing	Bottom Perforated Casing	Yield	Static Water Level
301599	24	100	15	12
198720	220	280	5	100
198720	220	280	5	100
269113	280	360	3	110
312799	<Null>	<Null>	3.5	22

Permit	Static Water Level Date	WDID	Associated Case Numbers	Modified
25221MH	<Null>	<Null>	<Null>	4/18/1995 0:00
30210MH	<Null>	<Null>	<Null>	5/9/1997 0:00
78124	<Null>	<Null>	<Null>	12/15/1975 0:00
88822	<Null>	<Null>	<Null>	3/10/1977 0:00
140871-A	<Null>	<Null>	<Null>	10/26/1995 0:00
145102	<Null>	<Null>	<Null>	7/6/2010 0:00
153943	<Null>	<Null>	<Null>	9/7/2018 13:34
43341-A	<Null>	<Null>	<Null>	2/1/1990 0:00
153943	<Null>	<Null>	<Null>	9/7/2018 13:34
155081	<Null>	<Null>	<Null>	8/9/1989 0:00
155081-A	<Null>	<Null>	<Null>	4/14/2016 0:00
155379	<Null>	<Null>	<Null>	11/22/1989 0:00
47740-A	<Null>	<Null>	<Null>	7/3/1990 0:00
159430	<Null>	<Null>	<Null>	7/10/1992 0:00
162121	<Null>	<Null>	<Null>	1/13/1992 0:00
168370	<Null>	<Null>	<Null>	8/22/1994 0:00
174707	<Null>	<Null>	<Null>	1/24/1994 0:00
177783	<Null>	<Null>	<Null>	5/2/1994 0:00
192134	<Null>	<Null>	<Null>	7/16/1996 0:00
46051F	<Null>	1205606	<Null>	7/16/2003 0:00
194842	<Null>	<Null>	<Null>	7/30/1997 0:00
194843	<Null>	<Null>	<Null>	4/25/1997 0:00
194841	<Null>	<Null>	<Null>	7/11/2019 13:49
194841	<Null>	<Null>	<Null>	7/11/2019 13:49
195974	<Null>	<Null>	<Null>	7/16/1996 0:00
198721	<Null>	<Null>	<Null>	1/28/2005 0:00
198714	<Null>	<Null>	<Null>	11/30/1998 0:00
198722	<Null>	<Null>	<Null>	12/2/1997 0:00
198715	<Null>	<Null>	<Null>	12/21/1998 0:00
198155	<Null>	<Null>	<Null>	4/15/1998 0:00
198713	<Null>	<Null>	<Null>	7/17/2018 12:37
202223	<Null>	<Null>	<Null>	10/16/1996 0:00
203262	<Null>	<Null>	<Null>	12/26/2013 0:00
207552	<Null>	1208304	<Null>	10/24/1997 0:00
208605	<Null>	1208308	<Null>	1/16/1998 0:00
213831	<Null>	<Null>	<Null>	7/21/2005 0:00
213835	<Null>	1205551	<Null>	8/13/1998 0:00
213832	<Null>	<Null>	<Null>	11/5/1998 0:00
215223	<Null>	<Null>	<Null>	4/15/1999 0:00
198714-A	<Null>	<Null>	<Null>	3/19/1999 0:00
215395	<Null>	<Null>	<Null>	4/12/2002 0:00
215222	<Null>	<Null>	<Null>	4/15/1999 0:00
215394	<Null>	<Null>	<Null>	6/12/2000 0:00
215218	<Null>	<Null>	<Null>	4/15/1999 0:00
217453	<Null>	<Null>	<Null>	5/3/1999 0:00
221113	<Null>	<Null>	<Null>	8/7/2018 16:31

Permit	Static Water Level Date	WDID	Associated Case Numbers	Modified
233827	<Null>	<Null>	<Null>	8/15/2001 0:00
235767	<Null>	<Null>	<Null>	2/7/2002 0:00
237077	<Null>	<Null>	<Null>	12/3/2001 0:00
238087	<Null>	<Null>	<Null>	3/8/2002 0:00
239701	<Null>	<Null>	<Null>	9/5/2018 14:22
239701	<Null>	<Null>	<Null>	9/5/2018 14:22
46052F-R	<Null>	1205607	<Null>	6/9/2014 0:00
258919	<Null>	<Null>	<Null>	11/15/2004 0:00
260350	<Null>	<Null>	<Null>	3/5/2014 0:00
43342-A	<Null>	<Null>	<Null>	8/17/2006 0:00
270239	<Null>	<Null>	<Null>	2/6/2007 0:00
275470	<Null>	<Null>	<Null>	10/16/2019 6:47
275470	<Null>	<Null>	<Null>	10/16/2019 6:47
276232	<Null>	<Null>	<Null>	12/15/2009 0:00
215983-A	<Null>	<Null>	<Null>	11/30/2009 0:00
287455	<Null>	<Null>	<Null>	1/15/2014 0:00
290267	<Null>	<Null>	<Null>	11/14/2013 0:00
292021	<Null>	<Null>	<Null>	5/6/2013 0:00
78822F	<Null>	1205065	<Null>	2/10/2015 0:00
300506	<Null>	<Null>	<Null>	5/8/2017 0:00
301600	<Null>	<Null>	<Null>	4/4/2017 0:00
301597	<Null>	<Null>	<Null>	10/25/2016 0:00
301601	<Null>	<Null>	<Null>	10/4/2016 0:00
301598	<Null>	<Null>	<Null>	9/11/2019 16:39
301603	<Null>	<Null>	<Null>	10/25/2016 0:00
301598	<Null>	<Null>	<Null>	9/11/2019 16:39
301600-A	<Null>	<Null>	<Null>	3/15/2018 15:33
301600-A	<Null>	<Null>	<Null>	3/15/2018 15:33
144365	<Null>	<Null>	<Null>	<Null>
44904	<Null>	<Null>	<Null>	10/12/1995 0:00
21556	<Null>	<Null>	<Null>	<Null>
10350	<Null>	<Null>	<Null>	3/12/2008 0:00
44202	<Null>	<Null>	<Null>	<Null>
8568	<Null>	<Null>	<Null>	<Null>
47740	<Null>	<Null>	<Null>	7/3/1990 0:00
39396	<Null>	<Null>	<Null>	10/8/1969 0:00
43341	<Null>	<Null>	<Null>	<Null>
43342	<Null>	<Null>	<Null>	<Null>
55817	<Null>	<Null>	<Null>	3/16/1974 0:00
108315	<Null>	<Null>	<Null>	<Null>
60502	<Null>	<Null>	<Null>	5/21/1973 0:00
68659	<Null>	<Null>	<Null>	7/5/1973 0:00
304787	<Null>	<Null>	<Null>	8/2/2017 10:17
46052F-R	<Null>	1205607	07CW0128	8/2/2017 10:31
305825	<Null>	<Null>	<Null>	10/12/2017 14:19
269359	<Null>	<Null>	<Null>	4/9/2018 13:23

Permit	Static Water Level Date	WDID	Associated Case Numbers	Modified
301599	<Null>	<Null>	<Null>	3/6/2019 11:59
198720	<Null>	<Null>	<Null>	10/3/2018 6:40
198720	<Null>	<Null>	<Null>	10/3/2018 6:40
269113	<Null>	<Null>	<Null>	7/10/2019 8:55
312799	<Null>	<Null>	<Null>	9/17/2019 12:12

Permit	More Information	Location
25221MH	https://dwr.state.co.us/Tools/WellPermits/0025221	(38.500984, -105.349843)
30210MH	https://dwr.state.co.us/Tools/WellPermits/0030210	(38.497277, -105.353818)
78124	https://dwr.state.co.us/Tools/WellPermits/0057935	(38.488659, -105.346841)
88822	https://dwr.state.co.us/Tools/WellPermits/0078591A	(38.505911, -105.351913)
140871-A	https://dwr.state.co.us/Tools/WellPermits/0256699B	(38.504148, -105.351113)
145102	https://dwr.state.co.us/Tools/WellPermits/0263499	(38.495698, -105.348365)
153943	https://dwr.state.co.us/Tools/WellPermits/0298963	(38.507416, -105.356774)
43341-A	https://dwr.state.co.us/Tools/WellPermits/0298903	(38.491301, -105.378794)
153943	https://dwr.state.co.us/Tools/WellPermits/0298963	(38.507416, -105.356774)
155081	https://dwr.state.co.us/Tools/WellPermits/0300895A	(38.497983, -105.345387)
155081-A	https://dwr.state.co.us/Tools/WellPermits/0300895B	(38.497237, -105.34477)
155379	https://dwr.state.co.us/Tools/WellPermits/0304008	(38.478638, -105.353135)
47740-A	https://dwr.state.co.us/Tools/WellPermits/0312268	(38.490526, -105.378809)
159430	https://dwr.state.co.us/Tools/WellPermits/0321527	(38.491012, -105.345214)
162121	https://dwr.state.co.us/Tools/WellPermits/0330646B	(38.488485, -105.35996)
168370	https://dwr.state.co.us/Tools/WellPermits/0348451	(38.475568, -105.347633)
174707	https://dwr.state.co.us/Tools/WellPermits/0361132	(38.483462, -105.34917)
177783	https://dwr.state.co.us/Tools/WellPermits/0366520	(38.498862, -105.348078)
192134	https://dwr.state.co.us/Tools/WellPermits/0393018	(38.52063, -105.360529)
46051F	https://dwr.state.co.us/Tools/WellPermits/0395254A	(38.499252, -105.348981)
194842	https://dwr.state.co.us/Tools/WellPermits/0396600	(38.514136, -105.365075)
194843	https://dwr.state.co.us/Tools/WellPermits/0396601	(38.516912, -105.36489)
194841	https://dwr.state.co.us/Tools/WellPermits/0397345	(38.519481, -105.378786)
194841	https://dwr.state.co.us/Tools/WellPermits/0397345	(38.519481, -105.378786)
195974	https://dwr.state.co.us/Tools/WellPermits/0400151	(38.520291, -105.360861)
198721	https://dwr.state.co.us/Tools/WellPermits/0405665J	(38.514296, -105.375273)
198714	https://dwr.state.co.us/Tools/WellPermits/0405665C	(38.524798, -105.383053)
198722	https://dwr.state.co.us/Tools/WellPermits/0405665K	(38.514832, -105.374205)
198715	https://dwr.state.co.us/Tools/WellPermits/0405665D	(38.524761, -105.386025)
198155	https://dwr.state.co.us/Tools/WellPermits/0405102	(38.522601, -105.379774)
198713	https://dwr.state.co.us/Tools/WellPermits/0405665B	(38.520693, -105.377539)
202223	https://dwr.state.co.us/Tools/WellPermits/0408084	(38.516692, -105.361731)
203262	https://dwr.state.co.us/Tools/WellPermits/0413647	(38.497239, -105.353028)
207552	https://dwr.state.co.us/Tools/WellPermits/0422989	(38.530694, -105.38381)
208605	https://dwr.state.co.us/Tools/WellPermits/0425594	(38.500958, -105.402748)
213831	https://dwr.state.co.us/Tools/WellPermits/0434435	(38.480741, -105.348881)
213835	https://dwr.state.co.us/Tools/WellPermits/0434434B	(38.533589, -105.407333)
213832	https://dwr.state.co.us/Tools/WellPermits/0437874	(38.479185, -105.34804)
215223	https://dwr.state.co.us/Tools/WellPermits/0440016C	(38.51853, -105.370567)
198714-A	https://dwr.state.co.us/Tools/WellPermits/0441008	(38.525918, -105.38366)
215395	https://dwr.state.co.us/Tools/WellPermits/0440016E	(38.52066, -105.383657)
215222	https://dwr.state.co.us/Tools/WellPermits/0440016A	(38.514375, -105.380499)
215394	https://dwr.state.co.us/Tools/WellPermits/0440016B	(38.520513, -105.38567)
215218	https://dwr.state.co.us/Tools/WellPermits/0440016D	(38.514345, -105.381548)
217453	https://dwr.state.co.us/Tools/WellPermits/0445027	(38.515111, -105.370242)
221113	https://dwr.state.co.us/Tools/WellPermits/0450736	(38.53319, -105.397545)

Permit	More Information	Location
233827	https://dwr.state.co.us/Tools/WellPermits/0476598	(38.509082, -105.359993)
235767	https://dwr.state.co.us/Tools/WellPermits/0481004	(38.500884, -105.354634)
237077	https://dwr.state.co.us/Tools/WellPermits/0482349	(38.503894, -105.356315)
238087	https://dwr.state.co.us/Tools/WellPermits/0484828	(38.501481, -105.362913)
239701	https://dwr.state.co.us/Tools/WellPermits/0488962	(38.505466, -105.359299)
239701	https://dwr.state.co.us/Tools/WellPermits/0488962	(38.505466, -105.359299)
46052F-R	https://dwr.state.co.us/Tools/WellPermits/0512665	(38.502382, -105.348024)
258919	https://dwr.state.co.us/Tools/WellPermits/0526341	(38.505153, -105.355137)
260350	https://dwr.state.co.us/Tools/WellPermits/0530704	(38.530883, -105.421614)
43342-A	https://dwr.state.co.us/Tools/WellPermits/3603278	(38.487873, -105.372213)
270239	https://dwr.state.co.us/Tools/WellPermits/3606244	(38.51535, -105.34773)
275470	https://dwr.state.co.us/Tools/WellPermits/3616673	(38.51498, -105.34897)
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276232	https://dwr.state.co.us/Tools/WellPermits/3623960	(38.50163, -105.36272)
215983-A	https://dwr.state.co.us/Tools/WellPermits/3642638	(38.494645, -105.366873)
287455	https://dwr.state.co.us/Tools/WellPermits/3653791	(38.499813, -105.353972)
290267	https://dwr.state.co.us/Tools/WellPermits/3658346A	(38.492291, -105.354203)
292021	https://dwr.state.co.us/Tools/WellPermits/3659855	(38.505246, -105.35103)
78822F	https://dwr.state.co.us/Tools/WellPermits/3667100	(38.489983, -105.395061)
300506	https://dwr.state.co.us/Tools/WellPermits/3673437	(38.528436, -105.401119)
301600	https://dwr.state.co.us/Tools/WellPermits/3674526	(38.523704, -105.3908)
301597	https://dwr.state.co.us/Tools/WellPermits/3674531	(38.524106, -105.397001)
301601	https://dwr.state.co.us/Tools/WellPermits/3674529	(38.521894, -105.39159)
301598	https://dwr.state.co.us/Tools/WellPermits/3674524	(38.520391, -105.396559)
301603	https://dwr.state.co.us/Tools/WellPermits/3674530	(38.522174, -105.394239)
301598	https://dwr.state.co.us/Tools/WellPermits/3674524	(38.520391, -105.396559)
301600-A	https://dwr.state.co.us/Tools/WellPermits/3678038	(38.523332, -105.39672)
301600-A	https://dwr.state.co.us/Tools/WellPermits/3678038	(38.523332, -105.39672)
144365	https://dwr.state.co.us/Tools/WellPermits/9086935	(38.487139, -105.352311)
44904	https://dwr.state.co.us/Tools/WellPermits/9085964	(38.502529, -105.349929)
21556	https://dwr.state.co.us/Tools/WellPermits/9085750	(38.486421, -105.357262)
10350	https://dwr.state.co.us/Tools/WellPermits/9085616	(38.51597, -105.35988)
44202	https://dwr.state.co.us/Tools/WellPermits/9085951	(38.500984, -105.349843)
8568	https://dwr.state.co.us/Tools/WellPermits/9085600	(38.532422, -105.417574)
47740	https://dwr.state.co.us/Tools/WellPermits/9086011	(38.489196, -105.374545)
39396	https://dwr.state.co.us/Tools/WellPermits/9085905	(38.502545, -105.349132)
43341	https://dwr.state.co.us/Tools/WellPermits/9085942	(38.488623, -105.373574)
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55817	https://dwr.state.co.us/Tools/WellPermits/9086087	(38.521654, -105.365808)
108315	https://dwr.state.co.us/Tools/WellPermits/9086763	(38.528485, -105.424657)
60502	https://dwr.state.co.us/Tools/WellPermits/9086131	(38.493704, -105.349298)
68659	https://dwr.state.co.us/Tools/WellPermits/9086241	(38.503651, -105.349916)
304787	https://dwr.state.co.us/Tools/WellPermits/3678593	(38.515068, -105.356732)
46052F-R	https://dwr.state.co.us/Tools/WellPermits/3680613	(38.502387, -105.348034)
305825	https://dwr.state.co.us/Tools/WellPermits/3680224	(38.522989, -105.396039)
269359	https://dwr.state.co.us/Tools/WellPermits/3604319	(38.526376, -105.380203)

Permit	More Information	Location
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198720	https://dwr.state.co.us/Tools/WellPermits/0405665I	(38.514742, -105.377355)
198720	https://dwr.state.co.us/Tools/WellPermits/0405665I	(38.514742, -105.377355)
269113	https://dwr.state.co.us/Tools/WellPermits/3604372	(38.487846, -105.352665)
312799	https://dwr.state.co.us/Tools/WellPermits/3690612	(38.521287, -105.398405)

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30210MH	0030210 90865	Point	Colorado DWR	10/22/2019	10/22/2019
78124	0057935 221010	Point	Colorado DWR	10/22/2019	10/22/2019
88822	0078591A 139530	Point	Colorado DWR	10/22/2019	10/22/2019
140871-A	0256699B 94229	Point	Colorado DWR	10/22/2019	10/22/2019
145102	0263499 17709	Point	Colorado DWR	10/22/2019	10/22/2019
153943	0298963 393540	Point	Colorado DWR	10/22/2019	10/22/2019
43341-A	0298903 156556	Point	Colorado DWR	10/22/2019	10/22/2019
153943	0298963 393541	Point	Colorado DWR	10/22/2019	10/22/2019
155081	0300895A 89856	Point	Colorado DWR	10/22/2019	10/22/2019
155081-A	0300895B 150103	Point	Colorado DWR	10/22/2019	10/22/2019
155379	0304008 141915	Point	Colorado DWR	10/22/2019	10/22/2019
47740-A	0312268 223582	Point	Colorado DWR	10/22/2019	10/22/2019
159430	0321527 273139	Point	Colorado DWR	10/22/2019	10/22/2019
162121	0330646B 3801	Point	Colorado DWR	10/22/2019	10/22/2019
168370	0348451 253268	Point	Colorado DWR	10/22/2019	10/22/2019
174707	0361132 205273	Point	Colorado DWR	10/22/2019	10/22/2019
177783	0366520 110926	Point	Colorado DWR	10/22/2019	10/22/2019
192134	0393018 152848	Point	Colorado DWR	10/22/2019	10/22/2019
46051F	0395254A 356256	Point	Colorado DWR	10/22/2019	10/22/2019
194842	0396600 237908	Point	Colorado DWR	10/22/2019	10/22/2019
194843	0396601 366654	Point	Colorado DWR	10/22/2019	10/22/2019
194841	0397345 407717	Point	Colorado DWR	10/22/2019	10/22/2019
194841	0397345 407716	Point	Colorado DWR	10/22/2019	10/22/2019
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198714	0405665C 43760	Point	Colorado DWR	10/22/2019	10/22/2019
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207552	0422989 123743	Point	Colorado DWR	10/22/2019	10/22/2019
208605	0425594 171495	Point	Colorado DWR	10/22/2019	10/22/2019
213831	0434435 328633	Point	Colorado DWR	10/22/2019	10/22/2019
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215223	0440016C 353957	Point	Colorado DWR	10/22/2019	10/22/2019
198714-A	0441008 359065	Point	Colorado DWR	10/22/2019	10/22/2019
215395	0440016E 298771	Point	Colorado DWR	10/22/2019	10/22/2019
215222	0440016A 50811	Point	Colorado DWR	10/22/2019	10/22/2019
215394	0440016B 317488	Point	Colorado DWR	10/22/2019	10/22/2019
215218	0440016D 17261	Point	Colorado DWR	10/22/2019	10/22/2019
217453	0445027 248894	Point	Colorado DWR	10/22/2019	10/22/2019
221113	0450736 391917	Point	Colorado DWR	10/22/2019	10/22/2019

Permit	IDKey		Shape *	Received From	Received Date	Publish Date
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237077	0482349	339906	Point	Colorado DWR	10/22/2019	10/22/2019
238087	0484828	225257	Point	Colorado DWR	10/22/2019	10/22/2019
239701	0488962	393396	Point	Colorado DWR	10/22/2019	10/22/2019
239701	0488962	393397	Point	Colorado DWR	10/22/2019	10/22/2019
46052F-R	0512665	356256	Point	Colorado DWR	10/22/2019	10/22/2019
258919	0526341	123238	Point	Colorado DWR	10/22/2019	10/22/2019
260350	0530704	227514	Point	Colorado DWR	10/22/2019	10/22/2019
43342-A	3603278	81940	Point	Colorado DWR	10/22/2019	10/22/2019
270239	3606244	115417	Point	Colorado DWR	10/22/2019	10/22/2019
275470	3616673	412695	Point	Colorado DWR	10/22/2019	10/22/2019
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276232	3623960	256444	Point	Colorado DWR	10/22/2019	10/22/2019
215983-A	3642638	289364	Point	Colorado DWR	10/22/2019	10/22/2019
287455	3653791	110717	Point	Colorado DWR	10/22/2019	10/22/2019
290267	3658346A	284300	Point	Colorado DWR	10/22/2019	10/22/2019
292021	3659855	216737	Point	Colorado DWR	10/22/2019	10/22/2019
78822F	3667100	337172	Point	Colorado DWR	10/22/2019	10/22/2019
300506	3673437	202210	Point	Colorado DWR	10/22/2019	10/22/2019
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301597	3674531	234833	Point	Colorado DWR	10/22/2019	10/22/2019
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301598	3674524	399779	Point	Colorado DWR	10/22/2019	10/22/2019
301600-A	3678038	384403	Point	Colorado DWR	10/22/2019	10/22/2019
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144365	9086935	351138	Point	Colorado DWR	10/22/2019	10/22/2019
44904	9085964	190736	Point	Colorado DWR	10/22/2019	10/22/2019
21556	9085750	123421	Point	Colorado DWR	10/22/2019	10/22/2019
10350	9085616	114140	Point	Colorado DWR	10/22/2019	10/22/2019
44202	9085951	318201	Point	Colorado DWR	10/22/2019	10/22/2019
8568	9085600	303552	Point	Colorado DWR	10/22/2019	10/22/2019
47740	9086011	279523	Point	Colorado DWR	10/22/2019	10/22/2019
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43342	9085943	173734	Point	Colorado DWR	10/22/2019	10/22/2019
55817	9086087	197839	Point	Colorado DWR	10/22/2019	10/22/2019
108315	9086763	341072	Point	Colorado DWR	10/22/2019	10/22/2019
60502	9086131	40826	Point	Colorado DWR	10/22/2019	10/22/2019
68659	9086241	122170	Point	Colorado DWR	10/22/2019	10/22/2019
304787	3678593	285193	Point	Colorado DWR	10/22/2019	10/22/2019
46052F-R	3680613	370599	Point	Colorado DWR	10/22/2019	10/22/2019
305825	3680224	369537	Point	Colorado DWR	10/22/2019	10/22/2019
269359	3604319	86051	Point	Colorado DWR	10/22/2019	10/22/2019

Permit	IDKey	Shape *	Received From	Received Date	Publish Date
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198720	0405665I 394578	Point	Colorado DWR	10/22/2019	10/22/2019
198720	0405665I 394577	Point	Colorado DWR	10/22/2019	10/22/2019
269113	3604372 163751	Point	Colorado DWR	10/22/2019	10/22/2019
312799	3690612 401334	Point	Colorado DWR	10/22/2019	10/22/2019

Permit	Received Projection	File Name
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30210MH	CCS - NAD83	DWR_Well_Application_Permit
78124	CCS - NAD83	DWR_Well_Application_Permit
88822	CCS - NAD83	DWR_Well_Application_Permit
140871-A	CCS - NAD83	DWR_Well_Application_Permit
145102	CCS - NAD83	DWR_Well_Application_Permit
153943	CCS - NAD83	DWR_Well_Application_Permit
43341-A	CCS - NAD83	DWR_Well_Application_Permit
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155379	CCS - NAD83	DWR_Well_Application_Permit
47740-A	CCS - NAD83	DWR_Well_Application_Permit
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Permit	Received Projection	File Name
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235767	CCS - NAD83	DWR_Well_Application_Permit
237077	CCS - NAD83	DWR_Well_Application_Permit
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301603	CCS - NAD83	DWR_Well_Application_Permit
301598	CCS - NAD83	DWR_Well_Application_Permit
301600-A	CCS - NAD83	DWR_Well_Application_Permit
301600-A	CCS - NAD83	DWR_Well_Application_Permit
144365	CCS - NAD83	DWR_Well_Application_Permit
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10350	CCS - NAD83	DWR_Well_Application_Permit
44202	CCS - NAD83	DWR_Well_Application_Permit
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39396	CCS - NAD83	DWR_Well_Application_Permit
43341	CCS - NAD83	DWR_Well_Application_Permit
43342	CCS - NAD83	DWR_Well_Application_Permit
55817	CCS - NAD83	DWR_Well_Application_Permit
108315	CCS - NAD83	DWR_Well_Application_Permit
60502	CCS - NAD83	DWR_Well_Application_Permit
68659	CCS - NAD83	DWR_Well_Application_Permit
304787	CCS - NAD83	DWR_Well_Application_Permit
46052F-R	CCS - NAD83	DWR_Well_Application_Permit
305825	CCS - NAD83	DWR_Well_Application_Permit
269359	CCS - NAD83	DWR_Well_Application_Permit

Permit	Received Projection	File Name
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198720	CCS - NAD83	DWR_Well_Application_Permit
198720	CCS - NAD83	DWR_Well_Application_Permit
269113	CCS - NAD83	DWR_Well_Application_Permit
312799	CCS - NAD83	DWR_Well_Application_Permit

Permit	Website
25221MH	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
30210MH	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
78124	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
88822	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
140871-A	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
145102	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
153943	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
43341-A	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
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155081	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
155081-A	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
155379	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
47740-A	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
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162121	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
168370	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
174707	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
177783	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
192134	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
46051F	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
194842	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
194843	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
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194841	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
195974	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
198721	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
198714	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
198722	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
198715	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
198155	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
198713	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
202223	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
203262	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
207552	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
208605	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
213831	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
213835	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
213832	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
215223	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
198714-A	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
215395	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
215222	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
215394	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
215218	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
217453	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
221113	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb

Permit	Website
233827	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
235767	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
237077	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
238087	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
239701	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
239701	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
46052F-R	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
258919	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
260350	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
43342-A	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
270239	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
275470	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
275470	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
276232	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
215983-A	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
287455	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
290267	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
292021	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
78822F	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
300506	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
301600	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
301597	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
301601	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
301598	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
301603	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
301598	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
301600-A	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
301600-A	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
144365	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
44904	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
21556	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
10350	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
44202	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
8568	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
47740	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
39396	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
43341	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
43342	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
55817	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
108315	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
60502	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
68659	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
304787	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
46052F-R	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
305825	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
269359	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb

Permit	Website
301599	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
198720	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
198720	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
269113	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb
312799	https://data.colorado.gov/Water/DWR-Well-Application-Permit/wumm-7awb

Permit	Proximity	SurfElev. (ft)	WLE (ft)
25221MH	Water Resources Study Area	6,225	6,160
30210MH	Water Resources Study Area	6,288	6,238
78124	Water Resources Study Area	6,170	6,128
88822	Water Resources Study Area	6,162	
140871-A	Water Resources Study Area	6,164	
145102	Water Resources Study Area	6,220	6,170
153943	Water Resources Study Area	6,168	
43341-A	Water Resources Study Area	5,829	5,792
153943	Water Resources Study Area	6,168	
155081	Water Resources Study Area	6,256	
155081-A	Water Resources Study Area	6,251	6,016
155379	Water Resources Study Area	5,968	5,943
47740-A	Water Resources Study Area	5,798	5,738
159430	Water Resources Study Area	6,204	6,119
162121	Water Resources Study Area	6,257	6,157
168370	Water Resources Study Area	6,115	5,995
174707	Water Resources Study Area	6,197	6,156
177783	Water Resources Study Area	6,250	6,220
192134	Water Resources Study Area	6,450	6,360
46051F	Water Resources Study Area	6,245	6,185
194842	Water Resources Study Area	6,382	6,246
194843	Water Resources Study Area	6,368	6,304
194841	Water Resources Study Area	6,393	6,323
194841	Water Resources Study Area	6,393	6,323
195974	Water Resources Study Area	6,445	6,439
198721	Water Resources Study Area	6,658	6,603
198714	Water Resources Study Area	6,218	
198722	Water Resources Study Area	6,599	6,494
198715	Water Resources Study Area	6,209	5,847
198155	Water Resources Study Area	6,303	6,278
198713	Water Resources Study Area	6,335	6,285
202223	Water Resources Study Area	6,367	6,287
203262	Water Resources Study Area	6,244	6,194
207552	Water Resources Study Area	6,203	6,198
208605	Water Resources Study Area	6,090	
213831	Water Resources Study Area	6,163	5,963
213835	Water Resources Study Area	6,189	
213832	Water Resources Study Area	6,153	6,093
215223	Water Resources Study Area	6,425	6,290
198714-A	Water Resources Study Area	6,204	6,154
215395	Water Resources Study Area	6,379	6,189
215222	Water Resources Study Area	7,179	6,954
215394	Water Resources Study Area	6,397	6,359
215218	Water Resources Study Area	7,219	7,041
217453	Water Resources Study Area	6,509	6,379
221113	Water Resources Study Area	6,253	6,238

Permit	Proximity	SurfElev. (ft)	WLE (ft)
233827	Water Resources Study Area	6,211	6,131
235767	Water Resources Study Area	6,090	6,080
237077	Water Resources Study Area	6,154	6,052
238087	Water Resources Study Area	6,272	
239701	Water Resources Study Area	6,209	6,081
239701	Water Resources Study Area	6,209	6,081
46052F-R	Water Resources Study Area	6,151	6,144
258919	Water Resources Study Area	6,126	6,125
260350	Water Resources Study Area	6,334	6,304
43342-A	Water Resources Study Area	5,747	5,657
270239	Water Resources Study Area	6,441	6,398
275470	Water Resources Study Area	6,383	6,383
275470	Water Resources Study Area	6,383	6,383
276232	Water Resources Study Area	6,264	6,164
215983-A	Water Resources Study Area	5,882	5,842
287455	Water Resources Study Area	6,109	6,099
290267	Water Resources Study Area	6,225	6,180
292021	Water Resources Study Area	6,175	
78822F	Water Resources Study Area	5,814	5,784
300506	Water Resources Study Area	6,171	
301600	Water Resources Study Area	6,195	6,185
301597	Water Resources Study Area	6,116	6,106
301601	Water Resources Study Area	6,259	6,213
301598	Water Resources Study Area	6,253	6,239
301603	Water Resources Study Area	6,174	
301598	Water Resources Study Area	6,253	6,239
301600-A	Water Resources Study Area	6,122	6,111
301600-A	Water Resources Study Area	6,122	6,111
144365	Water Resources Study Area	6,129	
44904	Water Resources Study Area	6,133	6,113
21556	Water Resources Study Area	6,366	
10350	Water Resources Study Area	6,344	
44202	Water Resources Study Area	6,225	
8568	Water Resources Study Area	6,259	
47740	Water Resources Study Area	5,798	5,738
39396	Water Resources Study Area	6,174	6,139
43341	Water Resources Study Area	5,794	
43342	Water Resources Study Area	5,733	
55817	Water Resources Study Area	6,423	
108315	Water Resources Study Area	6,457	
60502	Water Resources Study Area	6,202	6,182
68659	Water Resources Study Area	6,166	6,156
304787	Water Resources Study Area	6,375	6,325
46052F-R	Water Resources Study Area	6,151	6,122
305825	Water Resources Study Area	6,127	6,111
269359	Water Resources Study Area	6,252	6,167

Permit	Proximity	SurfElev. (ft)	WLE (ft)	
301599	Water Resources Study Area	6,108	6,096	
198720	Water Resources Study Area	6,819	6,719	
198720	Water Resources Study Area	6,819	6,719	
269113	Water Resources Study Area	6,140	6,030	
312799	Water Resources Study Area	6,115	6,093	