

Final Revision 1

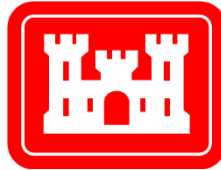
**GROUNDWATER PERIODIC MONITORING REPORT
JULY THROUGH DECEMBER 2018**

**FORT WINGATE DEPOT ACTIVITY
MCKINLEY COUNTY, NEW MEXICO**

April 2020

Contract No. W912PP-17-C-0003

Prepared for:



U.S. Army Corps of Engineers
Albuquerque District
4101 Jefferson Plaza, N.E.
Albuquerque, New Mexico 87109

Prepared by:

Sundance Consulting, Inc.
8210 Louisiana Blvd., N.E., Suite C
Albuquerque, New Mexico 87113

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14. ABSTRACT This Groundwater Periodic Monitoring Report documents the activities conducted from July through December 2018 at Fort Wingate Depot Activity under the Interim Facility-Wide Groundwater Monitoring Plan, Version 10. The report describes the monitoring activities and presents the analytical data.					
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Mr. Ian Thomas

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Notes:

BEC= Base Realignment and Closure Environmental Coordinator
BIA = U.S. Bureau of Indian Affairs
BRACD = Base Realignment and Closure Division
DoI = U.S. Department of the Interior
EPA = U.S. Environmental Protection Agency
ERDC = Engineer Research and Development Center
FWDA = Fort Wingate Depot Activity
HWB = Hazardous Waste Bureau
NM = New Mexico
NMED = New Mexico Environment Department
NN = Navajo Nation
NRO = Navajo Regional Office
OH = Ohio
POZ = Pueblo of Zuni
USACE = U.S. Army Corps of Engineers

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List of Acronyms and Abbreviations

µg/L	microgram per liter
µm	micrometer
µS/cm	microsiemens per centimeter
1,2-DCA	1,2-dichloroethane
ADR	automated data review
AOC	area of concern
Army	U.S. Department of the Army
bgs	below ground surface
BRAC	Base Realignment and Closure
CAMU	corrective action management unit
CFR	Code of Federal Regulations
COC	chain of custody
DO	dissolved oxygen
DoD	U.S. Department of Defense
DOE	U.S. Department of Energy
DTW	depth to water
EDD	electronic data deliverable
EDMS	electronic data management system
Eh	reduction potential
EPA	U.S. Environmental Protection Agency
ERP	Environmental Restoration Program
ft/ft	foot per foot
FWDA	Fort Wingate Depot Activity
Geotech	Geotech Environmental Equipment, Inc.
GMP	groundwater monitoring plan
GPMR	Groundwater Periodic Monitoring Report
Grundfos	Grundfos Redi-Flo2®
HMX	octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
HWMU	hazardous waste management unit
ID	identification
Innovar	Innovar Environmental, Inc.
J	(estimated) The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to nonconformances discovered during data validation.
MCL	maximum contaminant level
MEC	munitions and explosives of concern

List of Acronyms and Abbreviations (concluded)

mg/L	milligram per liter
MS	matrix spike
mS/cm	millisiemens per centimeter
MSD	matrix spike duplicate
mV	millivolt
NM	New Mexico
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
OB/OD	open burn/open detonation
ORP	oxidation-reduction potential
PCB	polychlorinated biphenyl
pH	potential hydrogen: a measure of acidity or alkalinity of a solution
PVC	polyvinyl chloride
QA	quality assurance
QC	quality control
QSM	Quality Systems Manual
RCRA	Resource Conservation and Recovery Act, enacted 1976
RDX	hexahydro-1,3,5-trinitro-1,3,5-triazine
Reclaimer	Geotech 166 Reclaimer
RFI	RCRA Facility Investigation
RSL	regional screening level
Sundance	Sundance Consulting, Inc.
SVOC	semivolatile organic compound
SWMU	solid waste management unit
TDS	total dissolved solids
TestAmerica	TestAmerica Laboratories, Inc.
TNT	trinitrotoluene
TOC	top of casing
TPH-DRO	total petroleum hydrocarbons - diesel range organics
TPH-GRO	total petroleum hydrocarbons - gasoline range organics
TPMC	TerranearPMC, LLC
USGS	U.S. Geological Survey
UXO	unexploded ordnance
VOC	volatile organic compound
WQCC	Water Quality Control Commission

EXECUTIVE SUMMARY

This Groundwater Periodic Monitoring Report (GPMR) documents groundwater monitoring activities conducted at Fort Wingate Depot Activity (FWDA) from July 2018 through December 2018 in accordance with *Interim Facility-wide Ground Water Monitoring Plan, Version 2, Fort Wingate Depot Activity, Gallup, New Mexico* (TerranearPMC, LLC, 2008) and subsequent monitoring program guidance as captured in *Final 2017 Interim Facility-wide Groundwater Monitoring Plan, Version 10, Revision 1, Fort Wingate Depot Activity, McKinley County, New Mexico* (GMP; Sundance Consulting, Inc. [Sundance], 2018b). Groundwater monitoring was performed by Sundance at FWDA under contract to the U.S. Army Corps of Engineers Albuquerque District as part of the Environmental Restoration Program. This GPMR was prepared on behalf of the U.S. Department of the Army (Army) Base Realignment and Closure Division for submission to the New Mexico Environment Department (NMED) Hazardous Waste Bureau, as required by Section V.A.2 of the Resource Conservation and Recovery Act (RCRA) permit, U.S. Environmental Protection Agency identification number NM 6213820974 for FWDA (NMED, 2005). The FWDA RCRA permit was most recently modified in February 2015 (NMED, 2015). This GPMR summarizes the monitoring activities and results.

Field activities conducted during the reporting period included two groundwater elevation surveys and one groundwater sampling event. Groundwater elevation surveys were performed on July 16, 2018 through July 17, 2018, and on October 8, 2018. Depth to water was measured at 67 monitoring wells and 10 piezometers during the July and October 2018 events. The groundwater sampling event for the reporting period was performed from October 8, 2018 to October 19, 2018. The groundwater samples were analyzed for targeted constituents in accordance with the GMP (Sundance, 2018b) and as listed in Table 2-2 of this GPMR.

Monitoring wells FW35, MW18S, and MW22S were considered dry and were not sampled during this reporting period. Well MW18S has been dry since installation in 1994 and is not listed for sampling in the GMP (Sundance, 2018b); however, this well is inspected during groundwater elevation surveys to confirm it continues to be dry.

During this reporting period, access to the Open Burn/Open Detonation (OB/OD) Area was not available for monitoring due to explosive hazards associated with excavating and removing unexploded ordnance and munitions and explosives of concern by another contractor. A total of 28 monitoring wells are contained within the OB/OD Area or within the safety boundary; of these, 13 wells were installed during the Parcel 3 RCRA Facility Investigation conducted in winter 2017. The Army will resume groundwater monitoring activities within Parcel 3 once replacement wells and additional Parcel 3 background wells have been installed following the completion of Parcel 3 hazardous operations.

Groundwater flow directions at FWDA are controlled by regional geologic structure orientation and by local topography and stratigraphy. The flow of groundwater within the northern area alluvium is from potentiometric highs in the east, north, and south toward a potentiometric low west of the Administration Area. Hydraulic gradients in alluvium ranged from 0.002 foot per foot (ft/ft) to 0.03 ft/ft.

Groundwater hydraulic gradients in the bedrock groundwater unit average 0.006 ft/ft in the Workshop Area. Potentiometric levels in the bedrock groundwater unit are slightly higher than in the alluvial groundwater unit and exist under hydraulically confined conditions in most of the

northern area. These confined conditions indicate an upward hydraulic gradient that inhibits local downward movement of the shallower, potentially contaminated alluvial groundwater. Groundwater flow direction has not been fully characterized in the bedrock aquifer beneath the Workshop Area. *Final Groundwater Supplemental RCRA Facility Investigation Work Plan, Revision 4, Fort Wingate Depot Activity, McKinley County, New Mexico* (Sundance, 2018a) was approved by NMED in spring 2018, and proposes wells to characterize the bedrock flow direction.

Nitrate, perchlorate, explosives, one volatile organic compound (VOC), and metals were detected in groundwater samples at concentrations above the groundwater screening values as selected per the hierarchy listed in Attachment 7 of the RCRA permit (NMED, 2015). Six groundwater contaminant plumes have been identified within the Administration Area and the Workshop Area of FWDA.

- Two nitrate plumes, one in the alluvial groundwater unit and one in the bedrock groundwater unit (Workshop Area and Administration Area)
- Two perchlorate plumes, one in the alluvial groundwater unit and one in the bedrock groundwater unit (Workshop Area)
- One explosives plume in the alluvial groundwater unit (Workshop Area)
- One 1,2-dichloroethane (1,2-DCA) plume in the alluvial groundwater unit (Administration Area).

Detections of semivolatile organic compounds in groundwater samples are sporadic and not attributed to a specific contaminant plume.

The highest nitrate concentrations occur in the shallow alluvial groundwater unit in the northern area. Detected nitrate concentrations in bedrock wells are roughly an order of magnitude lower than concentrations in the alluvial wells. The nitrate plume in the alluvial groundwater unit appears to originate from the trinitrotoluene (TNT) Leaching Beds (solid waste management unit [SWMU] 1) and extends downgradient to the Administration Area. The Army has no knowledge of any historic or recent release of nitrate within the Administration Area. The nitrate plume may potentially have a secondary source originating from historic sanitary sewer lines which may contribute to increasing nitrate concentrations to the west. The extent of the alluvial nitrate plume is not defined west and north of the Administration Area. The bedrock nitrate plume is present near the TNT Leaching Beds (SWMU 1) and downgradient of the Building 528 Complex (SWMU 27). A portion of the bedrock nitrate plume is collocated with the bedrock perchlorate plume. The collocated perchlorate and nitrate plumes appear to have a common source at the Building 528 Complex (SWMU 27).

The alluvial nitrate plume overlies the bedrock nitrate plume in the vicinity of bedrock well TMW02. TMW02 has detections of contaminants consistent with adjacent alluvial wells, and the potentiometric surface elevation is consistent with adjacent alluvial wells. The *Final Groundwater A Supplemental RCRA Facility Investigation (RFI) Work Plan, Revision 4, Fort Wingate Depot Activity, McKinley County, New Mexico* (Sundance, 2018a), proposes to investigate contaminant migration from the alluvium to the bedrock groundwater zone in this area.

1 The highest perchlorate concentrations were detected in groundwater samples from the bedrock
2 groundwater unit in the Workshop Area. The boundaries of the bedrock perchlorate plume have
3 not been defined. The alluvial perchlorate plume is in the same vicinity as the bedrock plume.
4 The source of perchlorate appears to be the Building 528 Complex (SWMU 27).

5 The explosive compound hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) is the principal explosive
6 compound of interest. This compound is consistently detected at concentrations above
7 groundwater screening values in the Workshop Area and eastern Administration Area. The
8 explosives plume in the alluvial groundwater unit appears to originate from the TNT Leaching
9 Beds (SWMU 1) in the Workshop Area. Groundwater concentrations of explosive compounds
10 (primarily RDX) attenuate to levels below the groundwater screening values within 2,500 feet
11 downgradient of the TNT Leaching Beds (SWMU 1).

12 The VOC compound 1,2-DCA was detected in two alluvial groundwater samples at
13 concentrations above groundwater screening values. 1,2-DCA was historically used as a gasoline
14 additive and degreasing solvent. The 1,2-DCA plume in the alluvial groundwater unit is limited
15 to a group of alluvial monitoring wells near the former fueling facility (Building 6 Gas Station,
16 SWMU 45) in the Administration Area. No other VOCs were detected above groundwater
17 screening values.

18 Dissolved aluminum, iron, manganese, and selenium were detected above groundwater screening
19 values in more than one groundwater sample during this reporting period from July 2018 through
20 December 2018. Total aluminum, arsenic, beryllium, chromium, iron, lead, manganese,
21 selenium, and vanadium were also detected above groundwater screening values in more than
22 one groundwater sample this reporting period. Background groundwater concentrations of
23 dissolved or total metals have not been accepted by NMED for FWDA, so it cannot clearly be
24 demonstrated whether the detected concentrations are a result of natural background conditions
25 or anthropogenic sources of contamination.

26 Additional delineation and investigation for groundwater plumes at FWDA is planned. *Final*
27 *Groundwater Supplemental RCRA Facility Investigation Work Plan, Revision 4, Fort Wingate*
28 *Depot Activity, McKinley County, New Mexico* (Sundance, 2018a) was approved by NMED in
29 spring 2018. This Supplemental RFI Work Plan proposes locations for additional groundwater
30 monitoring wells to further delineate the FWDA alluvial and bedrock groundwater contaminant
31 plumes.

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1.0 INTRODUCTION

This Groundwater Periodic Monitoring Report (GPMR) documents groundwater monitoring activities conducted at Fort Wingate Depot Activity (FWDA) from July 2018 through December 2018 in accordance with *Interim Facility-wide Ground Water Monitoring Plan, Version 2, Fort Wingate Depot Activity, Gallup, New Mexico* (TerranearPMC, LLC [TPMC], 2008) and subsequent monitoring program guidance as captured in *Final 2017 Interim Facility-wide Groundwater Monitoring Plan, Version 10, Revision 1, Fort Wingate Depot Activity, McKinley County, New Mexico* (GMP; Sundance Consulting, Inc. [Sundance], 2018b). Sundance performed the groundwater monitoring at FWDA under contract to the U.S. Army Corps of Engineers Albuquerque District as part of the Environmental Restoration Program (ERP). This GPMR was prepared on behalf of the U.S. Department of the Army (Army) Base Realignment and Closure (BRAC) Division for submission to the New Mexico Environment Department (NMED) Hazardous Waste Bureau, as required by Section V.A.2 of the Resource Conservation and Recovery Act (RCRA) permit, U.S. Environmental Protection Agency (EPA) identification number NM 6213820974 for FWDA (NMED, 2015). Permit modifications are discussed in Section 1.3 of this GPMR.

The Army BRAC Division manages FWDA to oversee closure and transfer of the property. As part of the planned property transfer to the U.S. Department of the Interior, FWDA has been divided into reuse parcels as specified by the RCRA permit. Pending RCRA closure and property transfer of the reuse parcels, the ERP must comply with provisions in the RCRA permit.

1.1 SITE DESCRIPTION AND ACTIVITIES

FWDA is in McKinley County in western New Mexico (NM), approximately 7 miles east of Gallup and 130 miles west of Albuquerque (Figure 1-1). The current facility occupies an area of approximately 24 square miles (15,277 acres).

FWDA was founded as a U.S. Cavalry post in the 1860s. In 1918, the facility became a munitions storage depot for the Army. The facility was operated by the Army for numerous missions from 1918 until 1993, when FWDA was selected for closure under the BRAC Act of 1988. In 2002, the Army reassigned many functions at FWDA to the BRAC Division, including property management and ERP activities. In addition, the Missile Defense Agency currently leases and uses portions of FWDA for missile testing.

Historic FWDA activities that may have contributed to soil and groundwater contamination include munitions storage, maintenance, and disposal; use and storage of petroleum fuels; and equipment maintenance (TerranearPMC, LLC [TPMC], 2008). The following areas had historical activities with known or potential impacts to site soil and/or groundwater.

- The Administration Area in the northern portion of FWDA contained administrative and maintenance buildings. Munitions shipping, fuel storage and dispensing, and mechanical maintenance activities were performed in this area (Innovar Environmental, Inc. and Shaw Environmental, Inc. [Innovar and Shaw], 2012).
- The Workshop Area is located directly south of the Administration Area and includes former industrial facilities for munitions maintenance and renovation activities, including the former trinitrotoluene (TNT) washout facility and the TNT Leaching Beds (solid

waste management unit [SWMU] 1; Innovar and Shaw, 2012). These buildings and other structures were demolished in 2010 (TPMC, 2012).

- The Magazine (Igloo) Area covers almost half of the current FWDA property. This area consists of rows of earth-covered magazines (also known as earth-covered igloos) located in the central portion of FWDA. The 10 igloo areas contain 732 earth-covered igloos and 241 earthen revetments previously used to store munitions (Innovar Environmental, Inc. [Innovar], 2016).
- The Open Burn/Open Detonation (OB/OD) Area includes munitions disposal locations in the southwestern and western portions of the installation. The Closed OB/OD Area was used from 1948 to 1955 and includes the Old Burning Ground and Demolition Landfill Area and the Old Demolition Area (Program Management Company, 1999). The Current OB/OD Area was used from 1955 to 1993 and contains the hazardous waste management unit (HWMU) identified in the RCRA permit.

1.2 HYDROGEOLOGIC SETTING

This section summarizes the hydrogeologic setting at FWDA to provide context for the analytical results presented in Section 5 of this GPMR.

The geologic units exposed at FWDA were largely deposited in the Mesozoic era and have been modified by more recent erosion and redeposition. The lithified stratigraphic units are Triassic to Cretaceous in age with uplift and deformation occurring in the Cretaceous Period during the Laramide Orogeny series of mountain-building events in western North America (McCraw et al., 2009). Quaternary alluvial and colluvial deposits unconformably overlay the Mesozoic bedrock in the lower elevation and northern portion of FWDA (Anderson et al., 2003).

The majority of FWDA is underlain by the Triassic-age Chinle Group, which is predominantly non-marine, red-bed siliciclastics. The Chinle Group consists of the Shinarump, Bluewater Creek, Petrified Forest, and Owl Rock formations (Anderson et al., 2003). The Petrified Forest Formation directly underlies most of the installation and is subdivided into three members: Blue Mesa, Sonsela, and Painted Desert. All three members of the Petrified Forest Formation are exposed in various locations across the installation and consist of green-gray smectitic mudstone, light-gray to yellowish-brown cross-bedded sandstone, and reddish-brown and grayish-red smectitic mudstone (Innovar, 2016). In the eastern portion of FWDA, the older Bluewater Creek and Shinarump formations are exposed intermittently between layers of Quaternary alluvium (Innovar, 2016).

The older Permian-age San Andres limestone and Glorieta sandstone formations underlie the Mesozoic Chinle Group beneath FWDA. Groundwater in these deeply buried formations is under confining pressure, resulting in upward hydraulic gradient and local artesian conditions at FWDA. Wells screened in these formations are productive and have historically supplied potable water to the installation. They are not exposed in FWDA and are not known to be contaminated by installation activities. Well 69, located within the Administration Area, extends into the Glorieta sandstone and is screened within the formation. Well 69 is a flowing artesian well.

In the northern portion of FWDA, the surface is covered by either remnants of the Chinle Group or Quaternary alluvial and colluvial deposits. Most of the alluvial deposits are present in the

1 northern area of the installation in lowland areas between bedrock remnants. Alluvial deposits
2 are also present along intermittent streams draining the Nutria Monocline (the Hogback) and the
3 Zuni Mountains. Intermittent streams flow downgradient (north) through the northern portion of
4 FWDA before joining the south fork of the Rio Puerco. Based on soil boring logs from FWDA,
5 alluvial deposits are heterogeneous and thickest near major drainages. The alluvium has been
6 found to be up to 150 feet thick near the south fork of the Rio Puerco. In the Administration
7 Area, alluvium thickness generally ranges between 30 feet and 70 feet.

8 The regional groundwater aquifer near FWDA is present in the Permian San Andres limestone
9 and Glorieta sandstone formations (Cooper and John, 1968; Summers, 1972). Shallow
10 groundwater is also present in the unconsolidated alluvium and Mesozoic-age bedrock overlying
11 these units but is typically poor in quality.

12 Groundwater flow in the San Andres-Glorieta aquifer is to the north beneath FWDA and is
13 separated from the shallow groundwater units by shale and claystone across much of FWDA
14 (Anderson et al., 2003). The top of the San Andres-Glorieta aquifer is approximately 1,100 feet
15 below ground surface (bgs) near the Administration Area. Recharge to both the regional aquifer
16 and to shallow groundwater units is from precipitation and snowmelt primarily in the upland
17 areas and along faults south of FWDA. No local FWDA recharge area for this regional aquifer is
18 known or reported to exist.

19 Shallow groundwater flow in the southern portions of the installation (OB/OD Area) is to the
20 north. Groundwater recharge occurs in the higher elevations and discharges to the arroyos.
21 Substantial thicknesses of alluvium are not present in the OB/OD Area, and shallow groundwater
22 typically occurs in the bedrock units in these areas; however, water-bearing zones are
23 occasionally identified in the alluvium present in arroyo bottoms.

24 The groundwater flow direction in the alluvium present in the northern portion of FWDA is
25 predominantly southwest and west. Further discussion of variables that could alter alluvial
26 groundwater flow direction is presented in Section 4.1.1. Along the northern border of the
27 installation, hydraulic communication exists between the groundwater and the Rio Puerco during
28 periods of active stream flow. Groundwater flow in the alluvium occurs primarily in
29 discontinuous, stream-deposited sand and gravel units. Groundwater flow in the bedrock units in
30 the northern portion of FWDA is generally to the west. The direction of groundwater flow in the
31 bedrock units is largely controlled by geologic structural features.

32 The depth to water (DTW) at FWDA is generally between 10 feet and 100 feet bgs. Groundwater
33 is present at shallow depths in the alluvium along drainages, including the Rio Puerco, with
34 DTW ranging from 15 feet to 70 feet bgs in northern area alluvial aquifer monitoring wells
35 during this reporting period (July through December 2018). DTW in the northern area bedrock
36 aquifer monitoring wells is also generally shallow, ranging from 17 feet to 67 feet bgs in all but
37 well BGMW08 during this reporting period. The DTW in bedrock well BGMW08 was 170.16
38 feet bgs in July 2018, and 168.64 feet bgs in October 2018.

39 **1.3 REGULATORY BACKGROUND**

40 Environmental restoration activities at FWDA began in 1989 under the Comprehensive
41 Environmental Response, Compensation, and Liability Act of 1980 guidelines, as part of the

1 Installation Restoration Program. The one exception was the Current OB/OD Area, corrective
2 action management unit (CAMU), which was granted interim status under RCRA.

3 Since that time, NMED has become the lead regulatory agency. In 2002, NMED determined the
4 remediation pathway would be solely through a RCRA permit for post-closure care of the
5 Current OB/OD Area with a RCRA corrective action module attached to address requirements
6 for other SWMUs and areas of concern (AOCs). The RCRA permit was finalized in December
7 2005 and became effective December 31, 2005. Since the original permit issuance, the FWDA
8 RCRA permit has been revised through NMED-modifications issued in 2011, 2014, and 2015
9 (NMED, 2011; NMED, 2014; and NMED, 2015). The 2005 RCRA permit identified one
10 HWMU within the current OB/OD Area (Parcel 3) and a total of 93 SWMUs/AOCs. The 2011
11 permit modification authorized construction and operation of a CAMU as a second HWMU. The
12 most recently modified version of the RCRA permit includes the original permit and previous
13 modifications (NMED, 2015).

14 Since the 1980s, numerous groundwater investigations have been completed at FWDA.
15 Groundwater investigation efforts have primarily focused on five areas.

- 16 1. TNT Leaching Beds Area (SWMU 1 located within Parcel 21)
- 17 2. Administration Area (multiple SWMUs and AOCs located in Parcel 6, Parcel 7,
18 and Parcel 11)
- 19 3. Eastern Landfill Area (SWMU 13 located within Parcel 18)
- 20 4. Building 542 (SWMU 11) and Building 600 areas (SWMU 4) located within Parcel 6
- 21 5. OB/OD Area (located within Parcel 3).

22 Numerous groundwater monitoring wells have been installed to characterize the nature and
23 extent of contamination that resulted from activities associated with the OB/OD Area and
24 various SWMUs and AOCs. Figure 1-2 shows the current monitoring well network, pertinent
25 site features, and the reuse parcels at FWDA.

26 An interim facility-wide GMP is required by RCRA permit Section V.A and describes the
27 groundwater monitoring activities to be conducted as part of ERP at FWDA. The current
28 groundwater monitoring well network has been designed to evaluate the horizontal and vertical
29 extent of chemical constituents in groundwater and the transport of chemicals that originate from
30 multiple sources. The current GMP combines the original 2008 plan, approved by NMED, and
31 subsequent annual revisions. Revisions to the GMP are based on an analysis of historical
32 groundwater monitoring data and a data quality objective assessment. Sampling under the
33 NMED-approved GMP has been ongoing since 2008. The results of the monitoring activities are
34 documented in semiannual groundwater monitoring reports and submitted to NMED, tribes, and
35 other stakeholders.

1 **1.4 DOCUMENT ORGANIZATION**

2 This GPMR is organized to comply with the guidance presented in *General Reporting*
3 *Requirements for Routine Groundwater Monitoring at RCRA Sites* (NMED, 2003). The
4 remainder of this GPMR is organized into the following sections.

- 5 • Section 2 provides a discussion of the activities or scope of services performed during the
6 July 2018 through December 2018 reporting period.
- 7 • Section 3 presents the applicable regulatory criteria against which sample analytical
8 results are compared for FWDA.
- 9 • Section 4 presents results of the quarterly groundwater elevation surveys for the July
10 2018 through December 2018 reporting period.
- 11 • Section 5 presents groundwater sample analytical data for the July 2018 through
12 December 2018 reporting period.
- 13 • Section 6 presents a summary discussion of the groundwater monitoring results.
- 14 • Section 7 presents a list of the works cited in this GPMR.

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2.0 SCOPE OF SERVICES

This section presents an overview of the field activities, laboratory analyses, and data management activities conducted from July 2018 through December 2018. Field activities during the reporting period included two groundwater elevation surveys and one groundwater sampling event conducted in accordance with the GMP (Sundance, 2018b). Additionally, well BGMW08 was partially sampled in July 2018, tubing was replaced in the seven northern area wells equipped with dedicated Bennett Sample Pumps, and a duplicate sample for total and dissolved metals was collected from well BGMW09 to confirm analytical results from the April 2018 sampling event. Groundwater monitoring locations are shown on Figure 1-2.

2.1 GROUNDWATER ELEVATION MEASUREMENTS

Groundwater elevation surveys were performed at FWDA on July 16 and 17, 2018, and October 8, 2018. During the July 2018 and October 2018 elevation surveys, DTW was measured at 67 northern area groundwater monitoring wells and 10 piezometers (Administration Area and Workshop Area). Of the 67 monitoring wells visited, 47 locations were alluvial monitoring wells and 20 were bedrock monitoring wells, including the four new bedrock background wells installed in early 2018 (Table 2-1). Access to the OB/OD Area has not been permitted for periodic monitoring since April 2013 due to explosive hazards associated with excavating and removing unexploded ordnance (UXO) and munitions and explosives of concern (MEC). As a result, groundwater elevation measurements were not collected in the OB/OD Area in July 2018 or October 2018.

As a health and safety consideration, water-level measurements were collected by two-person teams. One team member documented the field measurements and the other operated the water-level meter. The DTW was measured from the top of the casing reference point down to the surface of the groundwater at each monitoring well and piezometer using a Solinst model 101 water-level meter. The DTW measurements were recorded on field data sheets or in field notebooks to the nearest 0.01 foot. Copies of the field notes are provided in Appendix A.

The portions of the water-level meter probe and tape that contacted the groundwater or monitoring well casing interior were decontaminated after each use by washing with Liquinox™ soap solution and rinsing with deionized water. Decontamination fluids were contained in 5-gallon buckets with lids or 14-gallon open head high-density polyethylene drums for later disposal at the FWDA evaporation tank.

The DTW data were tabulated and compared to historical data to identify potential field measurement errors. After this evaluation, the groundwater elevation at each monitoring location was calculated by subtracting the DTW from the surveyed elevation of the top of casing (TOC) reference point. The groundwater elevation data were subsequently used to generate alluvial aquifer groundwater elevation contour maps and calculate hydraulic gradients for the alluvial and bedrock water-bearing units at FWDA. The groundwater elevations and groundwater flow directions are presented in Section 4 of this GPMR.

2.2 JULY 2018 SAMPLING

As reported in the Final January through June 2018 GPMR (Sundance, 2019), new bedrock wells BGMW08 and BGMW09 were redeveloped in May 2018 to improve well productivity.

BGMW09 was successfully sampled during the April 2018 groundwater monitoring event, but BGMW08 did not recharge after purging and was not sampled.

The field team attempted to sample BGMW08 on July 18, 2018, to resolve the data gap from the April 2018 event. A partial sample suite was collected for this well, including volumes for volatile organic compounds (VOCs), explosives, nitrate/nitrite, total and dissolved metals, and perchlorate. Due to insufficient recharge, sample volumes for semivolatile organic compounds (SVOCs), pesticides, herbicides, and polychlorinated biphenyls (PCBs) were not collected. Analytes requiring relatively smaller sample volumes for analysis were prioritized to maximize the number of samples collected from BGMW08 due to the limited water volume available. Analytical results for analytes sampled in July are presented and discussed in Section 5, with the results from the October 2018 sampling event.

2.3 TUBING REPLACEMENT IN WELLS WITH DEDICATED BENNETT SAMPLE PUMPS

Concurrent with the October 2018 groundwater sampling event, a field team mobilized to FWDA to replace the tubing bundles in the seven monitoring wells in the northern area equipped with dedicated Bennett pumps. These seven wells are MW23, MW24, TMW16, TMW18, TMW19, TMW36, and TMW37.

During original installation of the pumps, the tubing bundles were wrapped with 2-inch wide polyvinyl chloride (PVC) adhesive tape to minimize the possibility of water-level meters or additional equipment used during sampling getting caught on the tubing in the well. However, either the tape or the adhesive on the tape could contain plasticizers such as bis(2-ethylhexyl)phthalate. Plasticizers are typically very insoluble in groundwater, but the potential exists for plasticizers in dedicated equipment—continually submerged in a well—to slowly leach out of the materials into groundwater over time. The tape on the tubing cannot be replaced without replacing the entire tubing bundle.

Between October 16 and October 18, 2018, personnel replaced the original air supply and exhaust tubing with ¼-inch by ⅜-inch polyethylene tubing skip-bonded to ⅜-inch by ½-inch polyethylene tubing obtained from Geotech Environmental Equipment, Inc. (Geotech). The water return line was replaced with ⅜-inch by ½-inch polyethylene tubing, also obtained from Geotech. Stainless steel pump connector kits were obtained from Bennett Sample Pumps, Inc., and used to connect the tubing to the pump in each well. The original steel safety cable for each pump was visually inspected and reused for reinstallation because they appeared to be in good condition. Stainless steel cable ties were used instead of the original PVC tape to bind tubing and the safety cable together to ease current installation and future water-level measurements and sampling. Personnel also replaced the brass compression sleeves and stainless ferrules in the compression fittings on the top cap of each well. Pumps were reinstalled to the same depths as the original installation and the old tubing and connectors were discarded as refuse. No new materials used to replace the tubing bundles in each well contain plasticizers such as bis(2-ethylhexyl)phthalate.

Monitoring wells MW23, MW24, TMW16, TMW18, TMW19, TMW36, and TMW37 were sampled during the October 2018 event only after the tubing had been replaced and the Bennett pumps reinstalled.

2.4 GROUNDWATER SAMPLING

The groundwater sampling event for the reporting period was performed from October 8, 2018, to October 19, 2018. Groundwater samples were collected from 64 of the 93 monitoring wells listed in the GMP (Sundance, 2018b); FW35 (dry since 2015), MW18S (dry since installation in 1994 and not listed in GMP), and MW22S (dry since fall 2016) were confirmed dry during this groundwater sampling event and could not be purged or sampled. The monitoring wells in the OB/OD Area also were not sampled due to the explosives hazards associated with the active excavation and removal of UXO and MEC in the area.

The groundwater samples were analyzed for the constituents listed in Table 2-2. The sample analytical results are presented in Section 5 of this GPMR. Variances from the GMP are also discussed in Section 5.

Groundwater monitoring well purging and sampling were performed using a variety of sampling techniques and equipment including: dedicated low-flow pneumatic pumps from BESST, Inc.; dedicated pneumatic pumps from Bennett Sample Pumps, Inc.; a non-dedicated Grundfos Redi-Flo2® (Grundfos) submersible pump; a non-dedicated Geotech 1.66 Reclaimer positive air displacement pump (Reclaimer); and disposable bailers. Samples for dissolved metals analysis were field filtered using disposable 0.45 micrometer (µm) cartridge filters, and samples for perchlorate analysis were field filtered using disposable syringes with 0.2 µm filters. Table 2-2 lists the purging and/or sampling techniques used during the October 2018 event. Using a YSI, Inc., ProDSS multiparameter water-quality meter, the following groundwater-quality parameters were measured during well purging operations.

- Potential hydrogen (pH)
- Temperature
- Specific conductance
- Dissolved oxygen (DO)
- Turbidity
- Oxidation-reduction potential (ORP).

Data were recorded on groundwater sampling field data sheets. The groundwater sampling field data sheets for each monitoring well are provided in Appendix B. The calibration of water-quality meters were verified daily before sampling according to manufacturer specifications. The meters were re-calibrated if issues with the original calibration were noticed during verification or during use in the field. Equipment calibration logs are provided in Appendix C.

Monitoring wells equipped with dedicated low-flow pneumatic pumps were purged in accordance with the GMP and *Use of Low-Flow and Other Non-Traditional Sampling Techniques for RCRA Compliant Groundwater Monitoring* (NMED, 2001). Well purging was performed until water-quality parameters stabilized within the following ranges.

- pH (±0.5 standard units)
- Temperature (±10%)

- Specific conductance ($\pm 10\%$)
- DO ($\pm 10\%$)
- Turbidity ($\pm 10\%$)
- ORP ($\pm 10\%$).

In general, drawdown was minimized during final parameter stabilization and during sampling to ensure that formation water was being measured and sampled. Drawdown was minimized by slow purging of the monitoring wells; however, poor groundwater production from the screened intervals resulted in greater than desired drawdown in some monitoring wells. During the initial period of low-flow pumping before stabilization, drawdown in 4 of 32 wells was greater than or equal to 0.33 foot or 4 inches, but only greater than 1.0 foot in one monitoring well (TMW14A) during this monitoring event.

Monitoring wells not equipped with dedicated low-flow pumps were purged by pumping or bailing three well volumes of the water in each monitoring well, or purged dry and allowed to recharge, whichever occurred first. Seven groundwater wells in the monitoring program are equipped with dedicated Bennett Sample Pumps. The monitoring wells equipped with Bennett Sample Pumps were purged and sampled using the installed pumps.

Water-quality parameters were measured during the well purging operations until they stabilized within the ranges presented above. If a monitoring well was emptied before three well volumes were purged due to a slow recharge rate, then the monitoring well was sampled after it recharged with sufficient groundwater volume. This typically required the sampling team to return to the monitoring well location the next day to collect the groundwater sample.

The 27 monitoring wells not equipped with dedicated pumps were purged dry with a non-dedicated, Grundfos submersible electric pump, by bailing, or with a Reclaimer pump. Of the 27 monitoring wells, 16 were purged using the Grundfos submersible pump, 8 were bailed, and 3 were purged with the Reclaimer pump. The Grundfos and Reclaimer pump discharge tubing was discarded after each associated well was purged. The Grundfos and Reclaimer submersible pumps were decontaminated between sample locations by pumping Liquinox® soap solution followed by two deionized water rinse cycles through the pump. Additionally, the pump exterior and wiring/safety cable were wiped down using Liquinox® soap solution followed by two deionized water rinse wipes. Disposable bailers used for well purging were discarded and not reused at other sample locations. All samples from monitoring wells without dedicated pumps were collected using disposable bailers, which were also discarded after use and not reused at other sample locations.

Four quality control (QC) equipment rinsate samples were collected, three were collected from the decontaminated Grundfos submersible pump, and one was collected from the decontaminated Reclaimer pump. The analytical results were evaluated as part of the data validation process. The four equipment rinsate samples were collected according to the sampling frequency specified in the GMP (Sundance, 2018b). The equipment rinsate sample results indicate equipment decontamination was sufficient to prevent cross contamination.

2.5 DATA MANAGEMENT AND VALIDATION

Analytical data quality assurance (QA) and QC methods were performed in accordance with *Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.1* (QSM; U.S. Department of Defense [DoD]/U.S. Department of Energy [DOE], 2017). Field QC samples including field duplicates, matrix spike (MS)/matrix spike duplicate (MSD) samples, equipment rinsate blanks, and trip blanks were submitted for laboratory analysis. Laboratory QA/QC samples—including method blank and MS/MSD samples—were also analyzed.

An electronic database was created to support the data management and tracking activities for the groundwater sampling event. The database was used to prepare sample labels in advance of the sampling event and to prepare daily electronic chain-of-custody (COC) forms during the sampling event. Sample identifiers were assigned based on the convention described in the GMP (Sundance, 2018b). Groundwater sample identifiers consisted of the monitoring well identification (ID) and sample month and year. The QC samples used the same ID number as the parent sample followed by the MS or MSD, as specified in the GMP. The duplicates relating to normal samples are presented in Table 2-2. Copies of the COC forms were emailed daily to the project chemist to facilitate sample tracking and laboratory interaction, and are presented in Appendix D, Attachment 1.

Sample analyses were performed by TestAmerica Laboratories, Inc. (TestAmerica), in accordance with the QSM, Version 5.1 (DoD/DOE, 2017). Electronic data deliverables (EDDs) of the analytical results for each sample delivery group were provided by TestAmerica for validation. Analytical reports in PDF format are provided in Appendix D, Attachment 2.

The sample result EDDs were loaded into the automated data review (ADR) software for data validation. Results were subjected to 90% Stage 3 and 10% Stage 4 validation using the ADR software. ADR files are provided in Appendix D Attachment 3. An additional 20% of the sample results were subjected to EPA-compliant data verification by the project chemist. The validated data output files from the ADR software were exported to the FWDA electronic data management system (EDMS). The validated data table output presented in this GPMR was verified with EDMS content through manual and electronic reviews to ensure consistency. The overall data validation assessment found that data were of sufficient quality to evaluate data quality objectives. Information about the data validation process and the results are provided in Appendix D, Data Quality Assessment Reports.

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3.0 REGULATORY CRITERIA

On December 1, 2005, NMED issued a RCRA permit (EPA ID NM 6213820974) to the Army (permittee)—FWDA owner and operator. The permit established the general and specific standards and requirements for activities pursuant to the New Mexico Hazardous Waste Act, as amended; New Mexico Statutes Annotated 74-4-1, Hazardous Waste Act; and the New Mexico Hazardous Waste Management Regulations, New Mexico Administrative Code (NMAC) 20.4.1. Since the original permit issuance, the FWDA RCRA permit has been revised through NMED-issued modifications on June 27, 2011; April 4, 2014; and February 25, 2015 (NMED, 2011; NMED, 2014; and NMED, 2015). A renewal of the FWDA RCRA permit is currently in progress. Until the renewal process is complete, all environmental activities at the installation will be conducted in accordance with the requirements and modifications of the current RCRA permit (NMED, 2015).

As required by Section V.A of the permit, the Army developed and implemented a groundwater monitoring program. A GMP was developed according to provisions of the permit, Section VIII.B.1 (NMAC 20.4.1.500, incorporating 40 Code of Federal Regulations [CFR] 264.602) (TPMC, 2008). NMED approved the initial GMP in March 2008. The GMP has been revised annually and submitted to NMED from 2009 through 2017. All groundwater monitoring, sampling, and reporting activities are conducted in compliance with the RCRA permit, applicable permit attachments, and the GMP.

Attachment 7 of the RCRA permit (NMED, 2015) provides a hierarchy for the selection of groundwater screening value criteria applicable to the FWDA GMP. Groundwater analytical results are evaluated and compared to these groundwater screening values. The following documents and regulations are used to determine whether the concentration of a particular hazardous constituent exceeds the RCRA permit groundwater screening value (NMED, 2015).

1. NM Water Quality Control Commission (WQCC) standards for the analytes listed in NMAC 20.6.2.7.T(2) and NMAC 20.6.2.3103.
2. EPA drinking water maximum contaminant levels (MCLs) provided under 40 CFR 141 and 40 CFR 143.
3. If both an NM WQCC standard and an EPA MCL have been established for a contaminant of potential concern, the lowest value of 1. and 2. above will be selected.
4. If no NM WQCC standard or EPA MCL has been established for a carcinogenic hazardous constituent, values will be selected from the most recent version of the EPA regional screening levels (RSLs) for tap water (May 2019), adjusted to a target excess cancer risk level of 1×10^{-5} .
5. If no NM WQCC standard or EPA MCL has been established for a non-carcinogenic hazardous constituent, values will be selected from the most recent version of the EPA RSLs for tap water (May 2019) with a target hazard index of 1.0.

1 6. Previously, no NM WQCC standard or EPA MCL standard was published for
2 perchlorate. An EPA MCL standard of 15 micrograms per liter ($\mu\text{g/L}$) was published in
3 the November 2017 update, and remains the current standard as of May 2019 (EPA,
4 2019). The EPA MCL value supersedes the previously selected EPA tap water RSL, so
5 this standard will be followed for perchlorate in accordance with Attachment 7 of the
6 RCRA permit for FWDA (NMED, 2015).

7 Some analytes do not have a published NM WQCC or MCL but have RSLs listed for both
8 carcinogenic risks and non-carcinogenic hazards. For these analytes having both carcinogenic
9 and non-carcinogenic RSL values, the lower value between the adjusted carcinogenic RSL
10 (target excess cancer risk level of 1×10^{-5}) and the non-carcinogenic RSL will be selected for the
11 purpose of tracking the presence/absence of analytes. Table 3-1 presents the selected
12 groundwater screening values for each analyte based on the hierarchy outlined in this section.

13 Reporting requirements are specified in the GMP in accordance with the RCRA permit. A
14 schedule of regulatory deliverables is included in the GMP. RCRA permit Section V.A.2
15 requires the format to be consistent with *General Reporting Requirements for Routine*
16 *Groundwater Monitoring at RCRA Sites* (NMED, 2003).

4.0 GROUNDWATER MEASUREMENTS AND DATA COLLECTION

Groundwater elevation surveys were performed during July 2018 and October 2018. FWDA groundwater elevation surveys in monitoring wells and piezometers are currently performed quarterly. As discussed in Section 2 of this GPMR, no groundwater elevation measurements were collected in the OB/OD Area during these events. Groundwater elevation data were used to calculate hydraulic gradients and determine groundwater flow direction in the northern area alluvium and bedrock. Table 4-1 and Table 4-2 present the DTW measurements in feet below TOC, the surveyed elevation of the TOC, and calculated groundwater elevations in feet above the North American Vertical Datum of 1988 (or NAVD88). Figure 4-1, Figure 4-2, Figure 4-3, and Figure 4-4 show the groundwater elevation maps for the two groundwater elevation measurement events.

4.1 NORTHERN AREA GROUNDWATER ELEVATIONS

Shallow groundwater in the northern area is present in both unconsolidated alluvium and bedrock. The water-quality and hydraulic properties differ between these two groundwater units. Therefore, the groundwater elevation data and chemistry are presented and discussed separately. Table 4-1 presents the groundwater elevation data for monitoring wells screened in the shallow alluvium. Table 4-2 presents the groundwater elevation data for monitoring wells screened in the underlying bedrock. The northern area alluvial groundwater elevation contours for July 2018 are shown on Figure 4-1 and the contours for October 2018 are shown on Figure 4-2. As directed in an NMED Disapproval Letter dated August 7, 2017, water-level elevation contours were not prepared for the bedrock wells (NMED, 2017) (Figures 4-3 and 4-4). The alluvial groundwater elevation contours presented on Figure 4-1 and Figure 4-2 were drafted using the mathematical interpolation algorithms in Surfer® Version 13 software. Kriging geostatistical interpolation methods were used to generate a 100-foot by 100-foot interpolated grid based on the measured groundwater elevations. An experienced hydrogeologist reviewed site-specific information from the conceptual site model and groundwater elevation data, and digitally adjusted the contours based on known hydrogeologic conditions and professional judgment. Geologic constraints and data limitations were the boundary conditions used to crop the interpolation grids.

4.1.1 Northern Area Alluvial Groundwater System

The groundwater flow direction in the alluvium is from potentiometric highs in the north, east, and south toward a potentiometric low west of the Administration Area (Figure 4-1 and Figure 4-2). From the Administration Area, the groundwater flow direction is generally to the west. These groundwater flow directions are consistent with recent historical data.

A localized groundwater mound is present in the Administration Area near monitoring wells MW01, MW02, and MW03. This feature has been previously attributed to a leaking water storage cistern (U.S. Geological Survey [USGS], 2011). The cistern is no longer in service, and the groundwater mound was expected to attenuate over time. However, the groundwater mound is still observed in the water-level data for monitoring well MW02. Groundwater supply Well 69 is screened in the deep, confined conditions in the Glorieta sandstone aquifer resulting in artesian conditions. Continuous upward flow of uncontaminated groundwater through the borehole conduit of Well 69 and out into the alluvial aquifer, sustains the persistent 1- to 2-foot high groundwater mound seen in both the July 2018 and October 2018 monitoring events. Water levels from the July event contoured at a 1-foot interval shows the mound can influence water

1 levels, and thus flow directions, up to several hundred feet outward from Well 69. This mound
2 significantly influences groundwater flow and quality in the alluvial aquifer of the
3 Administration Area as reflected by the flat area of the 5-foot potentiometric contours of Figure
4 4-1 and Figure 4-2. Well 69 is currently used as a minor non-potable water supply at FWDA.

5 Discussions to remove Well 69 are ongoing. In the event Well 69 is abandoned, and
6 consequently removing the influx of groundwater into the alluvium, it is expected the alluvial
7 groundwater flow directions and the contaminant plume shapes will alter. Since the groundwater
8 mound is currently at a lower elevation than groundwater elevations to the north (at the Rio
9 Puerco) and to the south (in the Workshop Area), it is presumed that the groundwater will flow
10 more to the west-southwest across the Administration Area with minimal change to the north-
11 northwest flow direction observed locally in the Workshop area. Groundwater flow may
12 converge south of the Admin area before turning west. It is anticipated the perchlorate and
13 explosives plumes will migrate more towards the west than to the north, as the mound is
14 preventing western groundwater flow from east of the Administration Area. The alluvial nitrate
15 plume is also expected to migrate more west-southwest.

16 Groundwater flow direction and elevations were consistent with recent historical data
17 (Table 4-1). Hydraulic gradients ranged from 0.002 foot/foot (ft/ft) to 0.03 ft/ft in the alluvial
18 groundwater unit. The well pairs used for the calculations were TMW24 and TMW25, TMW40S
19 and TMW25, TMW28 and TMW24, and TMW31S and TMW40S. The steepest gradients were
20 found in the southeast portions of the monitoring area, and the flattest gradients were found in
21 the central portion of the monitoring area. Hydraulic gradients were consistent in direction and
22 magnitude between the July 2018 and December 2018 monitoring events and were like those
23 calculated in previous monitoring events from 2015 through 2017.

24 **4.1.2 Northern Area Bedrock Groundwater System**

25 The bedrock aquifer in the northern area consists of two water-bearing sandstone layers within
26 the Painted Desert Member of the Petrified Forest Formation. Monitoring well TMW02 is
27 completed in and screened across the upper sandstone layer. The remaining bedrock monitoring
28 wells are completed in the lower sandstone layer, which is separated from the upper by a
29 relatively impermeable claystone sequence.

30 Bedrock background monitoring well BGMW08 has recorded lower groundwater elevations than
31 other bedrock wells and neighboring alluvial wells as shown on Figures 4-3 and 4-4. BGMW08
32 initially required additional well development for the well to produce water, and a very low
33 recharge rate was initially thought to be the reasoning for lower groundwater elevations at this
34 well; however, BGMW08 may potentially be located in a separate sandstone lens. The target
35 bedrock strata (Painted Desert unit) had a fluvial depositional environment, causing non-
36 continuous / non planer lenses of sands, silts, and clays. The sandstone lenses are channel
37 deposits and would not exhibit planar bedding. The variance in water levels between BGMW08
38 and neighboring bedrock monitoring wells could indicate a separate sandstone lens with a
39 different potentiometric surface, as is the current understanding of TMW02 and surrounding
40 bedrock monitoring wells (Figures 4-3 and 4-4). Although BGMW08 potentially is screened
41 within a separate sandstone lens, the well would be appropriate to include in background
42 concentration evaluations. The Painted Desert unit within the northern groundwater area is
43 representative of the same depositional environment and the lithology would exhibit the same
44 geochemical properties. Having the same geochemical properties would allow BGMW08's

1 inclusion for evaluation of background metals concentrations, as waters reside in the same
2 geologic formation and subsurface environment as the other northern area bedrock background
3 monitoring wells.

4 Groundwater flow direction has not been fully characterized in the bedrock aquifer beneath the
5 Workshop Area. Bedrock groundwater elevation contours are not shown on Figure 4-3 and
6 Figure 4-4 (NMED, 2017) due to insufficient density of bedrock wells across the northern area to
7 provide an accurate representation; however, groundwater elevation values are included on the
8 figures. The groundwater potentiometric elevation in the bedrock groundwater unit is slightly
9 higher than the groundwater elevation in the alluvial groundwater unit and is suspected to be
10 under hydraulically confined conditions in most of the northern area. The confining unit for the
11 bedrock groundwater unit is missing near monitoring wells TMW30 and TMW49. These are the
12 southern-most bedrock wells in the northern area and are located north of where the water-
13 bearing sandstone crops out. Soil logs from TMW30 (USACE, 2015) and TMW49
14 (USACE, 2012) do not indicate the presence of a definite claystone confining layer separating
15 the unconsolidated alluvium from the water-bearing sandstone in bedrock. Alluvial and bedrock
16 groundwater may potentially communicate in this vicinity.

17 Hydraulic gradients for bedrock groundwater monitoring wells were calculated in the Workshop
18 Area and average 0.006 ft/ft. This average was calculated using groundwater elevations from
19 wells aligned east to west following the regional bedrock groundwater flow direction. The well
20 pairs used for the calculations were TMW39D and TMW19, TMW32 and TMW18, and
21 TMW39D and TMW16. Groundwater-level elevation data from monitoring well TMW02 were
22 not used to calculate hydraulic gradients because the monitoring well is completed in a different
23 water-bearing zone than the other bedrock monitoring wells. The groundwater elevations were
24 consistent with those measured in previous monitoring events from 2016 and 2017. Additional
25 characterization of bedrock groundwater flow conditions is proposed in *Final Groundwater*
26 *Supplemental RCRA Facility Investigation Work Plan, Revision 4, Fort Wingate Depot Activity,*
27 *McKinley County, New Mexico* (Sundance, 2018a).

28 **4.2 OPEN BURN/OPEN DETONATION AREA GROUNDWATER ELEVATIONS**

29 No groundwater elevation data were collected in this area during the July 2018 through
30 December 2018 reporting period. No historical data are presented in this GPMR. Groundwater
31 elevation surveys of the OB/OD Area wells may resume when access to the area is not restricted
32 due to UXO and munition safety concerns.

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5.0 NORTHERN AREA ANALYTICAL RESULTS

The groundwater quality parameters and laboratory analytical results for the October 2018 groundwater sampling event are presented in Table 5-1 through Table 5-12. Figure 5-1 through Figure 5-12 illustrate the known extent of groundwater contaminants identified at FWDA.

The laboratory data were reviewed and determined to be valid and suitable for the project objectives. Data Quality Assessment Reports are provided in Appendix D. The historical groundwater analytical data are provided in Appendix E.

5.1 WATER-QUALITY PARAMETERS

Water-quality parameters provide useful data to assess general water quality and evaluate contaminant fate and transport. The stable parameter readings and drawdown measurements collected during monitoring well purging activities are presented in Table 5-1. Some groundwater parameter measurements in the data set are biased high due to monitoring well design, limiting aquifer conditions, and different sample collection methods. Therefore, the median value is presented for each parameter for discussion purposes.

The specific conductance of groundwater is a general measure of water quality. Significant changes—usually increases—may indicate a release or some other disturbance of the health of the water body and associated biota. Anthropogenic disturbance tends to increase the amount of dissolved solids entering water, which results in increased conductivity. Groundwater-specific conductance values measured during the October 2018 sampling event ranged from 1.277 millisiemens per centimeter (mS/cm) to 27.882 mS/cm. Median values for groundwater from the northern area monitoring wells were 3.717 mS/cm and 3.228 mS/cm in the alluvial and bedrock units, respectively.

For most groundwater, multiplying the specific conductance value in microsiemens per centimeter ($\mu\text{S}/\text{cm}$) by a factor of 0.55 to 0.75 yields an approximate total dissolved solids (TDS) concentration in milligrams per liter (mg/L; Hem, 1989). When values in $\mu\text{S}/\text{cm}$ are converted to TDS concentrations using a conversion factor of 0.65—the median of the range cited in Hem—the median approximate TDS values for groundwater in the alluvial and bedrock units at FWDA are 2,416 mg/L and 2,098 mg/L, respectively.

Groundwater pH measurements ranged from 6.46 to 9.07, with one data point above 9.0 in groundwater from the bedrock aquifer. Median pH values were 7.62 and 8.14 in the northern area alluvial and bedrock groundwater units, respectively.

The DO concentrations are an indicator of aerobic or anaerobic conditions in the groundwater. DO values ranged from 0.0 to 8.46 mg/L, with median values of 0.96 mg/L and 2.48 mg/L for the alluvial and bedrock groundwater units, respectively. Low DO values indicate that anaerobic conditions (<1 mg/L) are likely present in some areas of FWDA. The DO values for samples collected using bailer techniques and Bennett pumps are somewhat elevated due to the exposure of water to atmospheric air within the well casing during well recharge or sampling.

The oxidation state for groundwater was measured as the ORP and subsequently calculated as the reduction potential (Eh). These values are a measure of electrical potential in the aquifer that can be used to determine the stability of contaminants in groundwater. The Eh values were calculated from the instrument-specific ORP readings using a formula that accounts for the

instrument calibration standard and location-specific water temperature (YSI Environmental, 2005). The formula used for converting ORP to Eh is presented in Table 5-1. The Eh values ranged from 7.1 millivolts (mV) to 467.4 mV across the monitoring area. Median values of Eh were 329.9 mV in water from alluvial aquifer monitoring wells and 281.8 mV in water from bedrock monitoring wells, respectively.

5.2 GROUNDWATER ANALYTICAL RESULTS

5.2.1 Nitrate and Nitrite

Nitrate and nitrite were analyzed by EPA Method 9056 and reported as nitrogen mass concentrations, nitrate-nitrogen, and nitrite-nitrogen. Nitrate was detected in most analyzed samples. Nitrate concentrations were detected as high as 140 mg/L and exceeded the screening value of 10 mg/L in samples from 11 northern area alluvial monitoring wells. The highest nitrate concentrations in the alluvial groundwater were found in the Workshop Area immediately downgradient of the TNT Leaching Beds (SWMU 1) (120 mg/L and 140 mg/L in monitoring wells TMW03 and TMW40S, respectively). The extent of nitrate contamination downgradient (to the west and the north) of the Administration Area has not been defined. The nitrate plume may potentially have a secondary source originating from historic sanitary sewer lines that may contribute to increasing nitrate concentrations to the west; however, there is no documentation of any historic or recent release of nitrate within the Administration Area. In addition, nitrate was detected at a concentration of 13 mg/L in the groundwater sample collected from background alluvial monitoring well BGMW02 located on the FWDA boundary and upgradient of any SWMUs or AOCs. Figure 5-1 shows the groundwater nitrate and nitrite concentration data for the alluvial monitoring wells in the northern area.

Nitrate was detected in samples from bedrock monitoring wells in the northern area with less frequency and at concentrations roughly an order of magnitude lower than concentrations in alluvial monitoring wells. Nitrate was not detected in the July 2018 sample collected from bedrock background well BGMW08. The highest groundwater nitrate concentrations in the bedrock groundwater unit in October 2018 were found in samples from monitoring well TMW02 in the Workshop Area immediately downgradient of the TNT Leaching Beds (SWMU 1). Samples from monitoring wells downgradient of the Building 528 Complex (SWMU 27) had nitrate exceedances at concentrations up to 15 mg/L (Table 5-2). The maximum groundwater nitrate concentration in bedrock monitoring wells was 86 mg/L and exceeded the screening value of 10 mg/L in samples from four monitoring wells (TMW02, TMW30, TMW31D, and TMW48). The concentration of nitrate in bedrock monitoring well TMW14A also increased from historical non-detects to 5.5 J mg/L, which is below the screening value of 10.0 mg/L.

Nitrite was not detected in the July 2018 sample collected from bedrock background monitoring well BGMW08. Nitrite was not detected above the screening value of 1.0 mg/L in the groundwater samples collected from alluvial or bedrock monitoring wells during the October 2018 monitoring event. Figure 5-2 shows the groundwater nitrate and nitrite concentration data for the bedrock monitoring wells in the northern area.

The *Final Groundwater Supplemental RCRA Facility Investigation Work Plan, Revision 4, Fort Wingate Depot Activity, McKinley County, New Mexico* (Sundance, 2018a) was approved by NMED in spring 2018. This Supplemental RFI Work Plan proposes locations for additional

groundwater monitoring wells necessary to further delineate the alluvial and bedrock groundwater nitrate contaminant plumes.

5.2.2 Explosive Compounds

Groundwater samples were analyzed for explosives using EPA Method 8330B. A summary of the explosive analytical results is presented in Table 5-3. Explosives were not detected in the July 2018 sample collected from bedrock background monitoring well BGMW08.

The following explosive compounds were detected in groundwater samples from alluvial and bedrock monitoring wells during the October 2018 groundwater sampling event (the maximum concentration is shown in parentheses and **bold** values exceeded the selected screening values). Values with a “J” notation indicate that an analyte was analyzed for and positively identified by the laboratory; however, the reported concentration is estimated because the result is less than the limit of quantitation.

- 1,3,5-trinitrobenzene (140 J µg/L in alluvial well TMW03, TMW04, and TMW40S)
- 2,4-dinitrotoluene (**2.7 J** µg/L in alluvial well TMW40S)
- 2-amino-4,6-dinitrotoluene (9.6 J µg/L in alluvial well TMW23)
- 3,5-dinitroaniline (21 J µg/L in alluvial well TMW40S)
- 3-nitrotoluene (**11 J** µg/L in alluvial well TMW03)
- 4-amino-2,6-dinitrotoluene (21 J µg/L in alluvial well TMW44)
- octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX) (78 µg/L in alluvial well TMW40S)
- hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) (**1200** µg/L in alluvial well TMW40S)
- tetryl (0.2 J in alluvial well TMW29)

Explosive compounds 2,4-dinitrotoluene, 3-nitrotoluene, and RDX were detected above the screening value in groundwater samples from the October 2018 monitoring event. RDX is a recognized groundwater explosive compound of interest. The compound RDX is routinely detected at concentrations greater than the screening value of 9.7 µg/L in monitoring wells downgradient of the TNT Leaching Beds (SWMU 1). RDX exceeded the screening value at alluvial monitoring wells TMW03 (500 µg/L), TMW04 (220 J µg/L), TMW40S (1,200 µg/L), and TMW23 (63 J µg/L) in October 2018 samples. 2,4-dinitrotoluene was detected at a concentration of 2.7 J µg/L in alluvial monitoring well TMW40S immediately downgradient of the TNT Leaching Beds (SWMU 1), which is greater than the screening value of 2.4 µg/L. 3-nitrotoluene was detected in alluvial monitoring well TMW03 at a concentration of 11 J µg/L, which is greater than the screening value of 1.7 J µg/L. TMW03 is directly downgradient of the TNT Leaching Beds (SWMU 1). The RDX plume is well defined in the alluvial groundwater unit. Figure 5-3 and Figure 5-4 illustrate RDX and explosives concentrations for the alluvial and bedrock groundwater units.

Other explosives analytes are occasionally detected in FWDA groundwater. Detections occur most frequently and at higher concentrations in the alluvial groundwater unit downgradient of the TNT Leaching Beds (SWMU 1). During this monitoring event, no other explosives compounds except 2,4-dinitrotoluene; 3-nitrotoluene; and RDX were detected above their

1 screening values. No explosives were detected above screening values in the bedrock aquifer
2 during this sampling period.

3 The analytical result for tetryl from bedrock monitoring well TMW18 was rejected due to low
4 surrogate recovery from TestAmerica. The result from this sample is not usable data and should
5 not be used for decision making. Well TMW18 will continue to be sampled for explosives,
6 including tetryl. Historically, tetryl has not been detected in samples from TMW18.

7 During this monitoring period, the Army received NMED's letter HWB-FWDA-18-003 dated
8 September 4, 2018, which comment number 10 directed the Army to add explosives analysis to
9 alluvial monitoring well TMW13. TMW13 is located within proximity of alluvial monitoring
10 well TMW40s which is the highest concentration of explosive detections; however, TMW13 is
11 upgradient/cross-gradient of the TNT leaching beds, the suspected source of explosives in
12 alluvial groundwater. In response to NMED's comment, the Army collected and analyzed
13 explosives at TMW13 during this monitoring event, and replied to NMED's comment number 10
14 in the Army response to comment letter dated February 27, 2019, stating: "The Army will collect
15 groundwater and analyze for explosives at TMW13 during the October 2018 monitoring event;
16 however, if the well is non-detect, the Army proposes not to add explosives to the TMW13
17 analytical suite in the next IFGMP." NMED responded in comment 6 of their letter dated April
18 16, 2019 stating: "The Permittee must complete minimum of two rounds of explosives analysis.
19 The results must be evaluated to determine if there are detections of explosive compounds that
20 warrant the inclusion of explosive compound analysis in the IFGMP updates. In the applicable
21 groundwater monitoring reports, discuss the result of the analysis for the groundwater sampled
22 collected from well TMW13." Explosives were non-detect at TMW13 during this sampling
23 event, marking the first of two consecutive explosives samples to be collected from TMW13.
24 The next explosives sample will be collected and analyzed during the April 2019 monitoring
25 event and will be reported in the January through June 2019 Groundwater Periodic Monitoring
26 Report.

27 **5.2.3 Perchlorate**

28 Groundwater samples were analyzed for perchlorate by EPA Method 6860. A summary of
29 analytical results is presented in Table 5-4. Groundwater perchlorate-concentration data for the
30 northern area alluvial and bedrock aquifers are shown on Figure 5-5 and Figure 5-6, respectively.
31 Perchlorate was detected in groundwater samples from both alluvial and bedrock monitoring
32 wells in the northern area. The highest perchlorate concentrations were found in groundwater
33 samples collected from the bedrock monitoring wells in the Workshop Area. The extent of
34 perchlorate groundwater contamination has not been completely delineated to date.

35 Perchlorate concentrations exceeded the groundwater screening value at alluvial monitoring
36 wells TMW01, TMW31S, and TMW39S during this reporting period. Perchlorate concentrations
37 exceeded the screening value in samples from six bedrock monitoring wells (TMW30,
38 TMW31D, TMW32, TMW40D, TMW48, and TMW49). The maximum perchlorate
39 concentration during the October 2018 groundwater sampling event was detected in bedrock
40 monitoring wells TMW31D and TMW48 (1300 J µg/L). The maximum concentration in alluvial
41 wells was detected in well TMW39S (730 J µg/L). Perchlorate was not detected above the
42 screening value in background bedrock monitoring well BGMW08 during the sampling
43 conducted in July 2018.

Perchlorate concentrations in bedrock groundwater units were greater than those in alluvial groundwater, suggesting that the source area of perchlorate contamination is located upgradient in a recharge area for the bedrock groundwater unit. Based on site history and analytical results from previous investigations, the source area for perchlorate contamination is believed to be the Building 528 Complex (SWMU 27) (USGS, 2011). The perchlorate contamination identified in the alluvial groundwater unit is collocated with the bedrock groundwater plume and is believed to result from a common source.

The *Final Groundwater Supplemental RCRA Facility Investigation Work Plan, Revision 4, Fort Wingate Depot Activity, McKinley County, New Mexico* (Sundance, 2018a) was approved by NMED in spring 2018. This Supplemental RFI Work Plan proposes locations for additional groundwater monitoring wells necessary to further delineate the alluvial and bedrock groundwater perchlorate contaminant plumes. Additionally, *Letter Work Plan Downgradient Alluvial Aquifer Investigation & Installation of One Additional Well* (USACE, 2018), proposes the installation of a well to delineate the eastern extent of the bedrock groundwater perchlorate plume.

5.2.4 Volatile Organic Compounds

Groundwater contamination from VOCs at concentrations above groundwater screening values is limited to a small number of shallow alluvial monitoring wells in the Administration Area. The detected VOCs are primarily associated with chlorinated solvents, petroleum fuels, and their degradation products. Groundwater samples were analyzed for VOCs using EPA Method 8260C. A summary of the VOC analytical results is presented in Table 5-5.

Seven VOCs were detected in one or more groundwater samples collected during the October 2018 groundwater sampling event. Figure 5-7 and Figure 5-8 show the VOC data for groundwater samples collected in the northern area alluvial and bedrock monitoring wells, respectively.

The following VOCs were detected in groundwater samples collected from alluvial and bedrock monitoring wells during the October 2018 groundwater sampling event (the maximum detected concentrations are shown in parentheses and **bold** values exceed the selected screening values).

- 1,2-dichloroethane (1,2-DCA) (**94** µg/L at alluvial monitoring well MW18D)
- 2-hexanone (0.59 J µg/L at background bedrock monitoring well BGMW08)
- acetone (1.4 J µg/L at alluvial monitoring well TMW03, and 9.3 µg/L at bedrock monitoring well TMW37)
- benzene (0.26 J at background bedrock monitoring well BGMW08)
- carbon disulfide (3.5 µg/L at alluvial monitoring well TMW47 and 0.86 J µg/L in bedrock monitoring well TMW18)
- chloromethane (0.49 J at bedrock monitoring well TMW17)
- toluene (0.44 J µg/L at bedrock monitoring well TMW18).

The only VOC detected in groundwater samples at concentrations above groundwater screening values was the gasoline additive 1,2-DCA. Groundwater samples collected from two alluvial monitoring wells near a former fueling facility had concentrations above the NM WQCC

standard of 5.0 µg/L. Samples collected from monitoring wells MW18D and TMW33 had 1,2-DCA concentrations of 94 µg/L and 40 J µg/L, respectively. No other VOCs were detected in groundwater samples above groundwater screening values. Benzene, carbon disulfide, and toluene were detected in the groundwater sample collected in July 2018 from background bedrock monitoring well BGMW08; however, all VOC detections in the July sampling event are below respective screening values.

5.2.5 Other Organic Compounds

Detections of organic compounds other than VOCs in groundwater samples from FWDA are generally sporadic and at concentrations below groundwater screening values. A summary of the detected organic compounds other than VOCs is presented in Table 5-6, Table 5-7, and Table 5-8. Total petroleum hydrocarbons-diesel range organics (TPH-DRO) and total petroleum hydrocarbons-gasoline range organics (TPH-GRO) were analyzed using EPA Method 8015C. SVOCs were analyzed using EPA Method 8270D. Pesticide compounds were analyzed using EPA Method 8081A. Herbicides were analyzed by EPA Method 8151A. PCBs were analyzed by EPA Method 8082A.

Concentrations of SVOCs, detected in more than one sample are as follows (the maximum detected concentrations are shown in parentheses). No SVOCs exceeded screening values during the October 2018 sampling event.

- 1,2,4-trichlorobenzene (0.60 J µg/L at alluvial monitoring well MW23)
- 1,2-dichlorobenzene (0.48 J µg/L at alluvial monitoring well MW23)
- 1,3-dichlorobenzene (0.5 J µg/L at bedrock monitoring well TMW31D)
- 1,4-dichlorobenzene (0.52 J µg/L at bedrock monitoring well TMW31D)
- 2,4-dinitrophenol (19 J µg/L at alluvial monitoring well TMW40S)
- 2-chloronaphthalene (0.78 J µg/L at bedrock monitoring well TMW48)
- 2-methylnaphthalene (0.87 J µg/L at bedrock monitoring well TMW48)
- bis(2-ethylhexyl)phthalate (4.7 J µg/L at bedrock monitoring well TMW18).
- naphthalene (0.53 J µg/L at bedrock monitoring well TMW39D)

The compound 2,4-dinitrophenol, detected in wells TMW03 and TMW40s located downgradient of the TNT Leaching Beds (SWMU 1), is attributed to degrading explosives compounds within the RDX plume.

The trace level detections of 1,2-dichlorobenzene; 1,3-dichlorobenzene; and 1,4-dichlorobenzene from monitoring wells MW23 and TMW31D in October 2018 are considered anomalous. MW23 is an alluvial well in the northwest corner of FWDA and has a dedicated Bennett pump installed. TMW31D is a bedrock well with a dedicated BESST pump in the workshop area. Detected concentrations of these analytes were similar in the two wells; however, field cross contamination between monitoring wells MW23 and TMW31D is not likely because no sampling equipment was shared between these wells.

Similarly, the trace level detections of naphthalene; 2-methylnaphthalene; 2-chloronaphthalene; and 1,2,4-trichlorobenzene in wells MW23, TMW31D, TMW39D, and TMW48 are also not

1 attributable to field contamination of samples. All SVOC samples from wells MW23, TMW31D,
2 TMW39D, and TMW48 were analyzed in the same batch, but the data do not indicate laboratory
3 contamination. Monitoring wells MW23, TMW31D, TMW39D, and TMW48 will continue to be
4 sampled for SVOCs in future sampling events.

5 Bis(2-ethylhexyl)phthalate is a common plastic additive that may be present in a variety of
6 laboratory and sampling equipment (including sample tubing, pump, and laboratory equipment),
7 and was detected in samples from two monitoring wells (TMW18 and TMW19) during the
8 October 2018 sampling event. In 2014, the dedicated Bennett Sample Pump in TMW18 was
9 refurbished and reinstalled with new plastic components. The plasticizer
10 bis(2-ethylhexyl)phthalate was detected in groundwater samples from TMW18 at concentrations
11 exceeding screening values during sampling events immediately following the refurbishment,
12 but detected concentrations had attenuated below screening values before the April 2018
13 sampling event, when the concentration was greater than the screening value. In October 2018,
14 the detected concentration of bis(2-ethylhexyl)phthalate was consistent with the attenuated
15 concentrations before April 2018. Tubing bundles in all wells equipped with dedicated Bennett
16 pumps were also replaced in October 2018.

17 TPH-DRO and TPH-GRO were detected in several samples collected from monitoring wells in
18 the Administration Area. Overall, petroleum hydrocarbons were detected in groundwater
19 samples from six alluvial monitoring wells. Bedrock monitoring wells were not sampled for
20 TPH-DRO and TPH-GRO. No regulatory groundwater screening values were identified for
21 TPH-D and TPH-G according to the RCRA permit (NMED, 2015) hierarchy. Analytical results
22 were instead compared to the petroleum product groundwater screening levels from Table 6-4 in
23 NMED's Risk Assessment Guidance for Site Investigations and Remediation, Volume 1
24 (NMED, 2019). TPH-D detected results are screened against the diesel #2/crankcase oil
25 screening level of 16.7 µg/L or 0.0167 mg/L. For consistency in this report, the NMED screening
26 value for diesel #2/crankcase oil is converted to mg/L as DRO analytical results are presented
27 from the laboratory as mg/L. For TPH-G, the gasoline screening level of 10.1 µg/L was used.
28 The maximum detected concentrations are shown in parentheses below, and **bold** values exceed
29 the Risk Assessment Guidance screening values.

- 30 • diesel range organics (**0.06 J** mg/L at alluvial monitoring well MW20)
- 31 • gasoline range organics (**47** µg/L in alluvial monitoring well MW18D)

32 All detections of TPH-D during the October 2018 sampling event exceeded the screening level
33 of 0.0167 mg/L. Similarly, all detections of TPH-G also exceeded the screening level of 10.1
34 µg/L. TPH detections are comingled with the 1,2-DCA plume.

35 One pesticide compound was detected in one sample from this monitoring period. The pesticide
36 compound beta-hexachlorocyclohexane—commonly known as beta-bhc—was detected at a
37 concentration of 0.018 J µg/L from alluvial monitoring well TMW40S. This detection is not
38 attributed to known groundwater impacts and is below the screening value of 0.25 µg/L.
39 Previous pesticide detections at FWDA are sporadic, at concentrations less than 0.1 µg/L, and do
40 not exceed screening values, where established. Results from pesticides analysis are summarized
41 in Table 5-7. Figure 5-11 depicts the location of the pesticide detection at TMW40S.

42 New bedrock background monitoring wells BGMW07, BGMW08, BGMW09, and BGMW10
43 were sampled and analyzed for herbicides by EPA Method 8151A as requested by NMED in the

Approval with Modifications letter HWB-FWDA-17-008 dated December 30, 2017, for the *Final Fort Wingate Depot Activity Groundwater Monitoring Northern Area Background Well Installation Letter Work Plan* (Sundance, 2017). One herbicide compound was detected in one sample from this monitoring period. The herbicide compound dinoseb was detected at a concentration of 0.71 J µg/L from bedrock monitoring well BGMW08. This detection is below the screening value of 7 µg/L. Results from herbicides analysis are summarized in Table 5-7. Figure 5-12 depicts the location of the herbicide detection at BGMW08. Herbicides have not been detected in wells BGMW09 or BGMW10 for two sampling events after installation, so it is recommended to discontinue sampling for herbicides analysis in these wells during future groundwater monitoring events, as agreed upon in the Army response to the Approval with Modifications letter HWB-FWDA-17-008 dated January 8, 2018.

Samples from new bedrock background monitoring wells BGMW07, BGMW08, BGMW09, and BGMW10 were also analyzed for PCBs by EPA Method 8082A as requested by NMED in the Approval with Modifications letter HWB-FWDA-17-008 dated December 30, 2017, for the *Final Fort Wingate Depot Activity Groundwater Monitoring Northern Area Background Well Installation Letter Work Plan* (Sundance, 2017). No PCBs were detected in samples from these wells. Results from PCBs analysis are summarized in Table 5-8. As noted in Section 2.2, sample volumes for PCBs, SVOCs, herbicides, and pesticides were not collected from background bedrock monitoring well BGMW08 in July 2018 due to insufficient recharge in this well. PCBs have not been detected in wells BGMW07, BGMW09, or BGMW10 for two sampling events after installation, so it is recommended to discontinue sampling for PCB analysis in these wells in future groundwater monitoring events, as agreed upon in the Army response to the Approval with Modifications letter HWB-FWDA-17-008 dated January 8, 2018.

5.2.6 Metals

Groundwater samples were collected and analyzed as dissolved and total metal concentrations at FWDA (Table 5-9 through Table 5-12). Groundwater samples were analyzed for metals by EPA methods 6010C, 6020A, and 7470A. A summary of results for dissolved metals by EPA Method 6020A is presented in Table 5-9 and a summary of total metals results by EPA Method 6020A is presented in Table 5-10. Table 5-11 presents dissolved metals results by EPA methods 6010C and 7470A, and total metals results by EPA methods 6010C and 7470A are presented in Table 5-12.

Dissolved aluminum, iron, manganese, and selenium were detected in multiple groundwater samples above groundwater screening values. It cannot clearly be demonstrated whether the detected concentrations are a result of natural conditions or anthropogenic sources of contamination because background metal groundwater concentrations have not yet been accepted by the regulators for FWDA. Therefore, no contaminant plume maps were created for the total or dissolved metals data. Only one dissolved metal—manganese—was detected above the screening value of 200 µg/L in July 2018 for background bedrock monitoring well BGMW08.

During the previous reporting period, dissolved metals including aluminum, arsenic, beryllium, chromium, iron, lead, manganese, and vanadium were detected above the screening values in newly installed bedrock monitoring well BGMW09 during the April 2018 sampling event. After a review of drilling, well development, sampling, and laboratory procedures, the results were determined to be representative of groundwater and not cross-contamination. An additional

sample and duplicate were collected at background bedrock monitoring well BGMW09 to verify the concentrations of metals detected in samples from this well in April 2018. The additional sample was collected on October 16, 2018, and was analyzed by EPA methods 6010C, 6020A, and 7470A for total and dissolved metals. Only aluminum and iron concentrations exceeded the screening values (5,000 µg/L and 1,000 µg/L, respectively) in samples collected from BGMW09 in October 2018.

5.3 OPEN BURN/OPEN DETONATION AREA ANALYTICAL RESULTS

No groundwater monitoring was performed in the OB/OD Area during this period. No historical analytical results are available for monitoring events after April 2013. A Groundwater RFI was conducted in 2017 that generated groundwater analytical results and was reported under a separate cover. Access to the OB/OD Area has not been permitted for periodic monitoring since April 2013 due to explosive hazards associated with excavation and removal of UXO and MEC. Periodic monitoring will resume at the completion of Parcel 3 MEC operations.

5.4 FIELD VARIANCES FROM THE WORK PLAN

Field variances from the GMP occurred during this reporting period.

Alluvial monitoring wells FW35, MW18S, and MW22S were dry and could not be sampled during this monitoring event. Monitoring well FW35 has been dry since October 2015. MW18S has been dry since installation in 1994, has never been sampled, and is not listed for sampling in the GMP. Water-level elevations have occasionally been reported for MW18S; however, in all instances, the amount of moisture in the bottom cap of the well was insufficient for sampling and the well was considered dry. The DTW measured in nested well MW18D is approximately 5 feet greater than the total depth of MW18S, indicating MW18S is not screened in a saturated interval of the alluvium. Finally, monitoring well MW22S has had limited screen saturation in recent monitoring events and has not been sampled since April 2016. Water levels will be monitored at these locations to determine whether sampling can resume or whether the monitoring wells should be plugged and abandoned.

Wells TMW11, TMW25, and TMW38 with dedicated BESST pumps, which are listed in the GMP to be sampled with low-flow techniques, were not sampled in this manner. Declining flow rates in TMW11 and TMW25 during previous events were observed, so these pumps were pulled and visually inspected in October 2018 to troubleshoot any issues. The pumps were pulled after water levels were measured, but before low flow sampling was attempted. After inspection, the BESST pump in groundwater monitoring well TMW11 was removed due to biofouling. The pump in TMW25 was also removed due to biofouling on the pump body. The pump in TMW38 malfunctioned and failed to pump water during the initial low-flow sampling attempt, so it was removed so it could be repaired. Wells TMW11, TMW25, and TMW38 were instead purged with a Grundfos submersible electronic pump, then sampled with a disposable bailer. The removed dedicated pumps will need to be serviced and thoroughly cleaned and decontaminated before being reinstalled in each well.

An additional sample and duplicate were collected at background bedrock monitoring well BGMW09 to verify the concentrations of total and dissolved metals originally detected in samples from this well in April 2018, as discussed in Section 5.2.6. The additional samples were

collected on October 16, 2018, and were analyzed by EPA methods 6010C, 6020A, and 7470A for total and dissolved metals.

Bedrock background well BGMW08 was not sampled in April 2018 due to insufficient recharge after purging. The well was redeveloped to improve productivity in May 2018, and the field team attempted to sample BGMW08 on July 18, 2018, to resolve the data gap from the April 2018 event. A partial sample suite was collected for this well, including volumes for VOCs, explosives, nitrate/nitrite, total and dissolved metals, and perchlorate. Due to insufficient recharge, sample volumes for SVOCs, pesticides, herbicides, and PCBs were not collected. In future sampling events, BGMW08 will be monitored for all analytical groups specified in the groundwater monitoring work plan.

Alluvial monitoring well TMW13 was sampled in October 2018 for explosives, specifically RDX. In NMED's disapproval letter for the July through December 2017 GPMR (NMED, 2018), NMED noted alluvial well TMW13 is positioned close to well TMW40S with comparable groundwater elevations, so the presence of RDX in well TMW13 is possible. NMED also requested the Army propose to conduct explosive compound analysis for groundwater samples collected from TMW13 in the upcoming revision to the Interim Facility-wide Groundwater Monitoring Plan. A sample was collected in October 2018 to test the hypothesis that RDX is present at TMW13 before adding the analysis to the regular sample suite for the well. Analytical results show no detections for explosive compounds.

All analytical and data quality methods and procedures were performed in accordance with the QSM, Version 5.1 (DoD/DOE, 2017).

5.5 LABORATORY VARIANCES FROM THE WORK PLAN

TestAmerica had analytical discrepancies for one sample in this sampling event. Due to low method spike recovery, the analyte tetryl is reported as rejected for sample TMW18102018. This sample result from the October 2018 sampling is not usable for decision making. Well TMW18 will continue to be monitored for explosives, including tetryl. Historical results for bedrock monitoring well TMW18 for tetryl have been non-detect.

5.6 NEW FINDINGS

Monitoring data from October 2018 are generally consistent with historical data except as discussed below.

Explosive detections in alluvial monitoring wells TMW03 and TMW04 increased in October 2018. TMW03, which is directly adjacent and downgradient of the TNT Leaching Beds (SWMU 1) saw an increase of 1,3,5-trinitrobenzene and 3-nitrotoluene. The analyte 1,3,5-trinitrobenzene was detected at a concentration of 140 J µg/L which was below the screening value of 590 µg/L. The analyte 3-nitrotoluene was detected at a concentration of 11 J µg/L which was above the selected screening value of 1.7 µg/L.

The detected concentration of HMX in monitoring well TMW04 also increased from 12 µg/L in April 2018 to 77 µg/L; however, this is still below the screening value of 1,000 µg/L. The RDX concentration in TMW04 increased to 220 J µg/L, which is above screening value of 9.7 µg/L.

In monitoring well TMW23, 1,3,5-trinitrobenzene was detected for the first time since October 2016, and HMX was detected for the first time since October 2014. In alluvial monitoring well TMW40S, the concentration of 1,3,5-trinitrobenzene increased from 2.9 J µg/L in April 2018 to

1 140 µg/L in October 2018, and the detection of 2,4-dinitrotoluene increased to 2.7 J µg/L, which
2 is above screening value of 2.4 µg/L.

3 TMW03, TMW04, TMW23, and TMW40S are generally north and downgradient of the TNT
4 Leaching Beds (SWMU 1). The concentration increase may be attributed to leaching of
5 explosive compounds in soil due to seasonal precipitation and water from dust suppression
6 infiltrating the open excavation at the TNT Leaching Beds (SWMU 1). Please note, increases (or
7 decreases) in concentrations between two consecutive sampling events, as described here, do not
8 establish a trend. Explosives concentrations in groundwater will continue to be monitored at
9 FWDA.

10 During the previous reporting period, dissolved metals including aluminum, arsenic, beryllium,
11 chromium, iron, lead, manganese, and vanadium were detected above the screening values in
12 newly installed bedrock monitoring well BGMW09 during the April 2018 sampling event. An
13 additional sample and duplicate were collected in October 2018 at background bedrock
14 monitoring well BGMW09 to verify the previously detected concentrations. The additional
15 sample was collected on October 16, 2018, and was analyzed by EPA methods 6010C, 6020A,
16 and 7470A for total and dissolved metals. Only aluminum and iron exceeded the screening levels
17 in the secondary sample collected from BGMW09 in October 2018. Future sampling for total
18 and dissolved metals at BGMW09 is recommended.

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6.0 SUMMARY

Two groundwater elevation surveys and one groundwater sampling event were performed during the reporting period from July 2018 through December 2018. Groundwater elevation surveys were conducted in July 2018 and October 2018. The groundwater sampling event for the reporting period was performed in October 2018. Additionally, well BGMW08 was partially sampled in July 2018, tubing was replaced in the seven northern area wells equipped with dedicated Bennett Sample Pumps, and an additional sample for total and dissolved metals was collected from well BGMW09 to confirm analytical results from the April 2018 sampling event.

Shallow groundwater in the northern area of FWDA is present in both the unconsolidated alluvium and bedrock. The groundwater flow direction in the alluvium is from potentiometric highs in the east, north, and south toward a potentiometric low west of the Administration Area. Groundwater flow direction has not been fully characterized in the bedrock aquifer beneath the Workshop Area. Groundwater flow within the bedrock appears to flow generally to the west in the Workshop Area. The groundwater elevation in the bedrock groundwater unit is slightly higher than in the alluvial groundwater unit and exists under hydraulically confined conditions under most of the northern area. The confining unit for the bedrock aquifer is missing near monitoring wells TMW30 and TMW49.

Nitrate, perchlorate, explosives, one VOC, and metals were detected in groundwater samples at concentrations above the selected groundwater screening values. Six groundwater contaminant plumes have been identified within the Administration Area and the Workshop Area of FWDA.

- Two nitrate plumes, one in the alluvial groundwater unit and one in the bedrock groundwater unit (Workshop Area and Administration Area)
- Two perchlorate plumes, one in the alluvial groundwater unit and one in the bedrock groundwater unit (Workshop Area)
- One explosives plume in the alluvial groundwater unit (Workshop Area)
- One 1,2-DCA plume in the alluvial groundwater unit (Administration Area).

The highest concentrations of nitrate contamination occur in alluvial groundwater units of the northern area. The nitrate plume in the alluvial groundwater unit appears to originate from the TNT Leaching Beds (SWMU 1) in the Workshop Area and extends downgradient to the Administration Area. The extent of the alluvial nitrate plume is not defined to the north or west of the Administration Area. A potential secondary source from the historic sanitary sewer lines may contribute to the nitrate plume, however there is no record of any historic or recent release of nitrate within the Administration Area. The bedrock nitrate plume is also present near the TNT Leaching Beds (SWMU 1) and downgradient of the Building 528 Complex (SWMU 27), but concentrations in bedrock are roughly an order of magnitude lower than alluvial concentrations. The collocated perchlorate and nitrate plumes appear to have a common source at the Building 528 Complex (SWMU 27).

The highest perchlorate concentrations were detected in groundwater samples from the bedrock groundwater unit in the Workshop Area. The boundary of the bedrock perchlorate plume has not yet been defined. The alluvial perchlorate plume is in the same vicinity as the bedrock plume. Historical releases of perchlorate-containing materials at the Building 528 Complex (SWMU 27)

1 are believed to be the common source of both plumes in the alluvial and bedrock groundwater
2 units.

3 RDX is the principal explosive compound of interest. This compound is consistently detected at
4 concentrations above the RSL in the Workshop Area and eastern Administration Area. The
5 explosives plume in the alluvial groundwater unit appears to originate from the TNT Leaching
6 Beds (SWMU 1) in the Workshop Area. Groundwater concentrations of explosive compounds
7 (primarily RDX) attenuate to levels below the groundwater screening values within 2,500 feet
8 downgradient of the TNT Leaching Beds (SWMU 1).

9 The VOC 1,2-DCA was detected in groundwater samples at concentrations above groundwater
10 screening values. 1,2-DCA was historically used as a gasoline additive and degreasing solvent.
11 The 1,2-DCA plume in the alluvial groundwater unit is limited to a group of wells near a former
12 fueling facility (Building 6 Gas Station, SWMU 45) in the Administration Area. No other VOCs
13 were detected above selected groundwater screening values.

14 Dissolved aluminum, iron, manganese, and selenium were detected above available groundwater
15 screening values in more than one groundwater sample. Background groundwater concentrations
16 have not been accepted for FWDA, so it cannot be clearly demonstrated whether the detected
17 concentrations are a result of natural conditions or anthropogenic sources of contamination.

18 Groundwater contaminant plumes at FWDA appear to be limited to the northern area; however,
19 historic detections have been recorded within the OB/OD Area in the southern portion of
20 FWDA. Additional delineation and investigation for groundwater plumes at FWDA are planned.
21 The *Final Groundwater Supplemental RCRA Facility Investigation Work Plan, Revision 4, Fort*
22 *Wingate Depot Activity, McKinley County, New Mexico* (Sundance, 2018a) was approved by
23 NMED in spring 2018. This Supplemental RFI Work Plan proposes locations for additional
24 groundwater monitoring wells necessary to further delineate the alluvial and bedrock
25 groundwater contaminant plumes, delineate bedrock groundwater flow direction, replace
26 monitoring wells known to be dry, and provide sufficient data to conduct a groundwater
27 background evaluation (Sundance, 2018a).

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FIGURES

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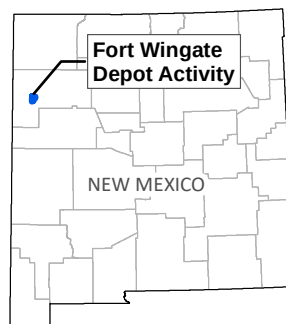
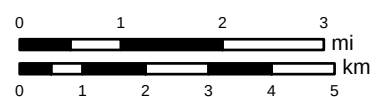
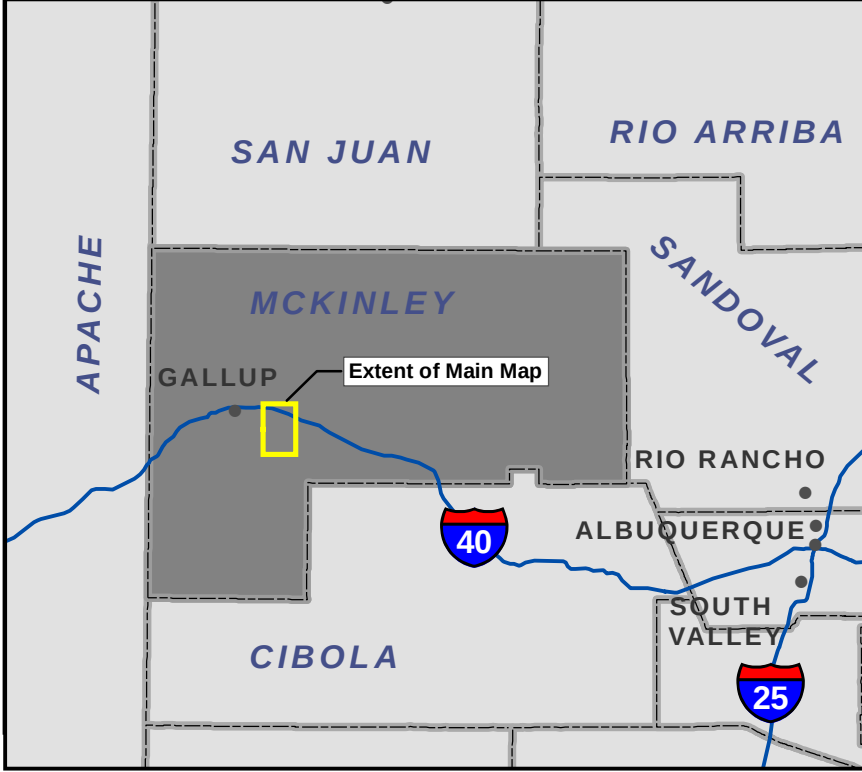
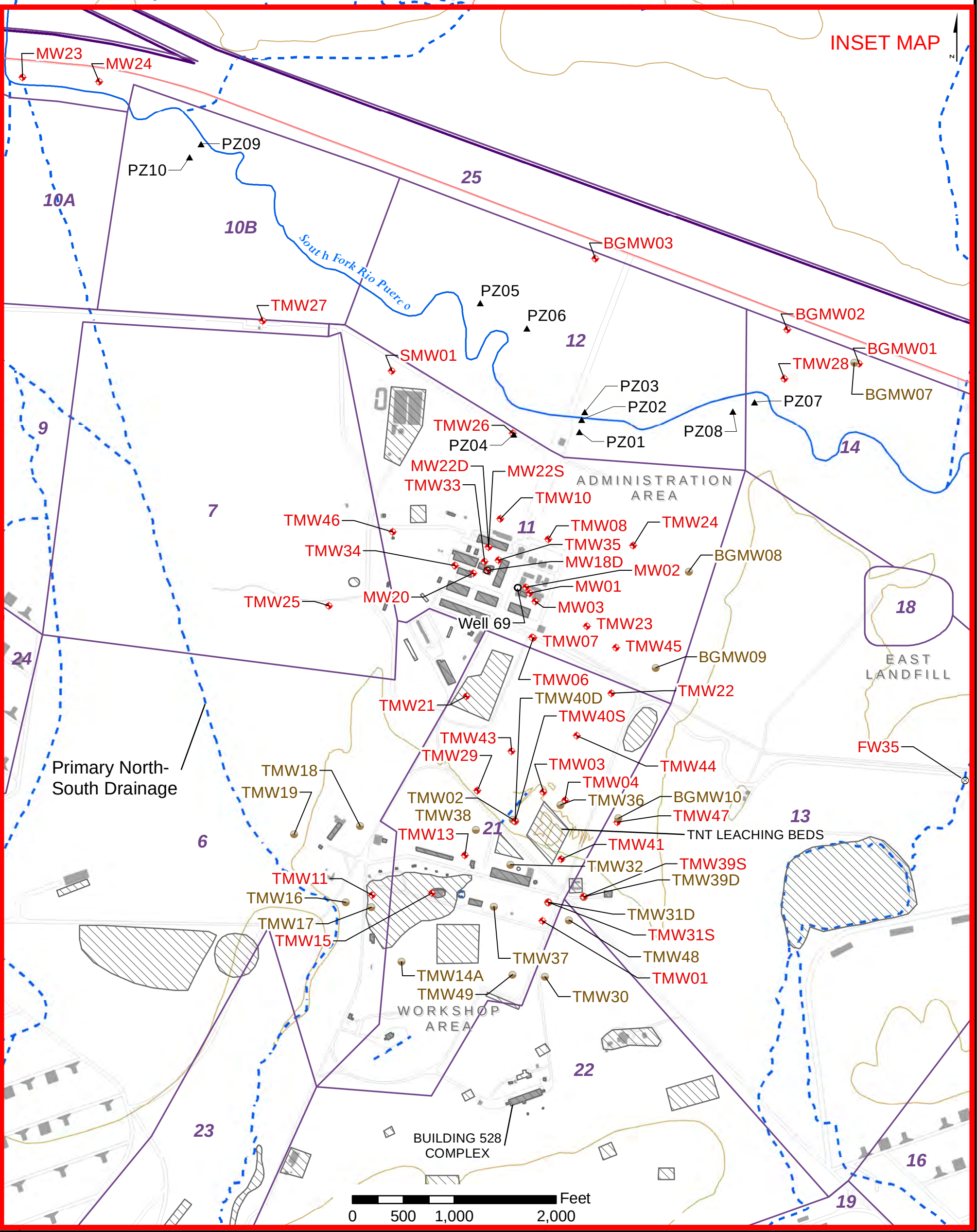
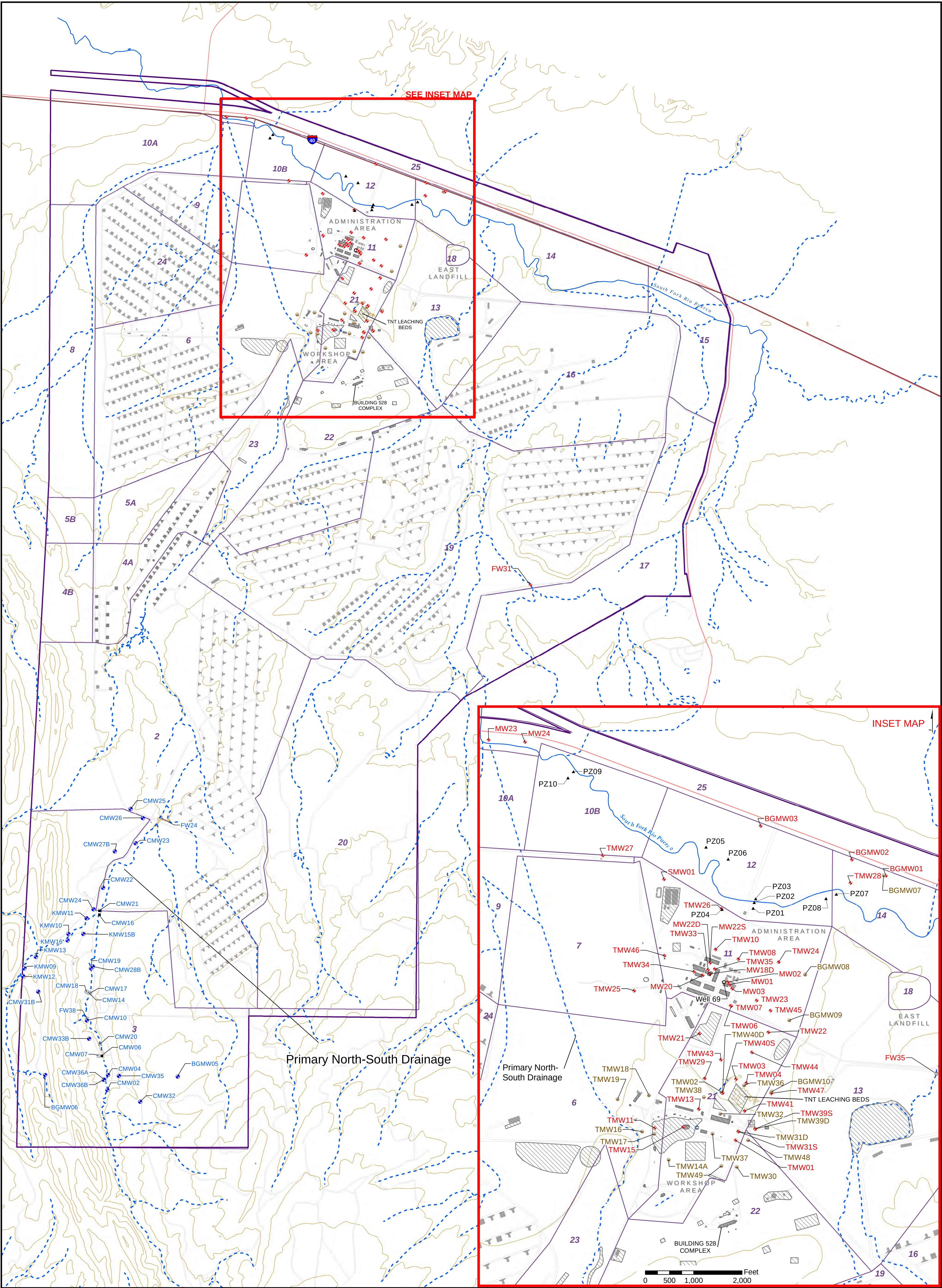


FIGURE 1-1 LOCATION MAP

Groundwater Periodic Monitoring
Report, July-December 2018
*Fort Wingate Depot Activity,
McKinley County, New Mexico*



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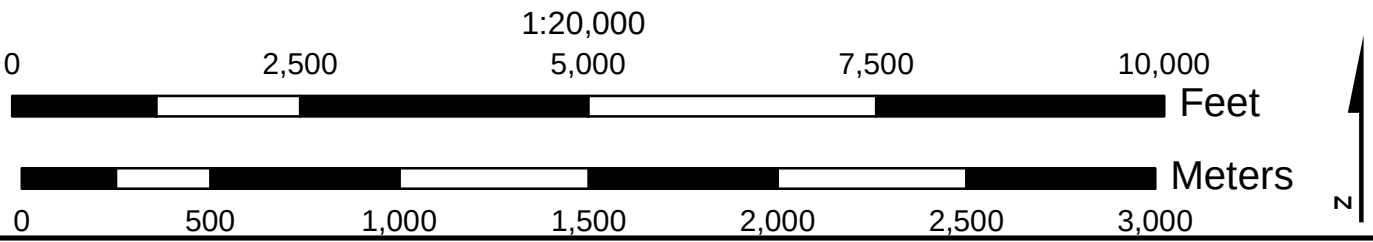
Legend

- ▲ Piezometers
- OB/OD Monitoring Well
- Alluvial Monitoring Well
- Bedrock Monitoring Well
- Dry or Damaged Well
- Removed
- Buried Well
- Water Supply Well 69
- Arroyo
- Stream
- ▨ AOC and SWMU
- Building
- ▭ Fort Wingate Installation Boundary
- Topographic Contour (100 foot Interval)
- Fort Wingate Road

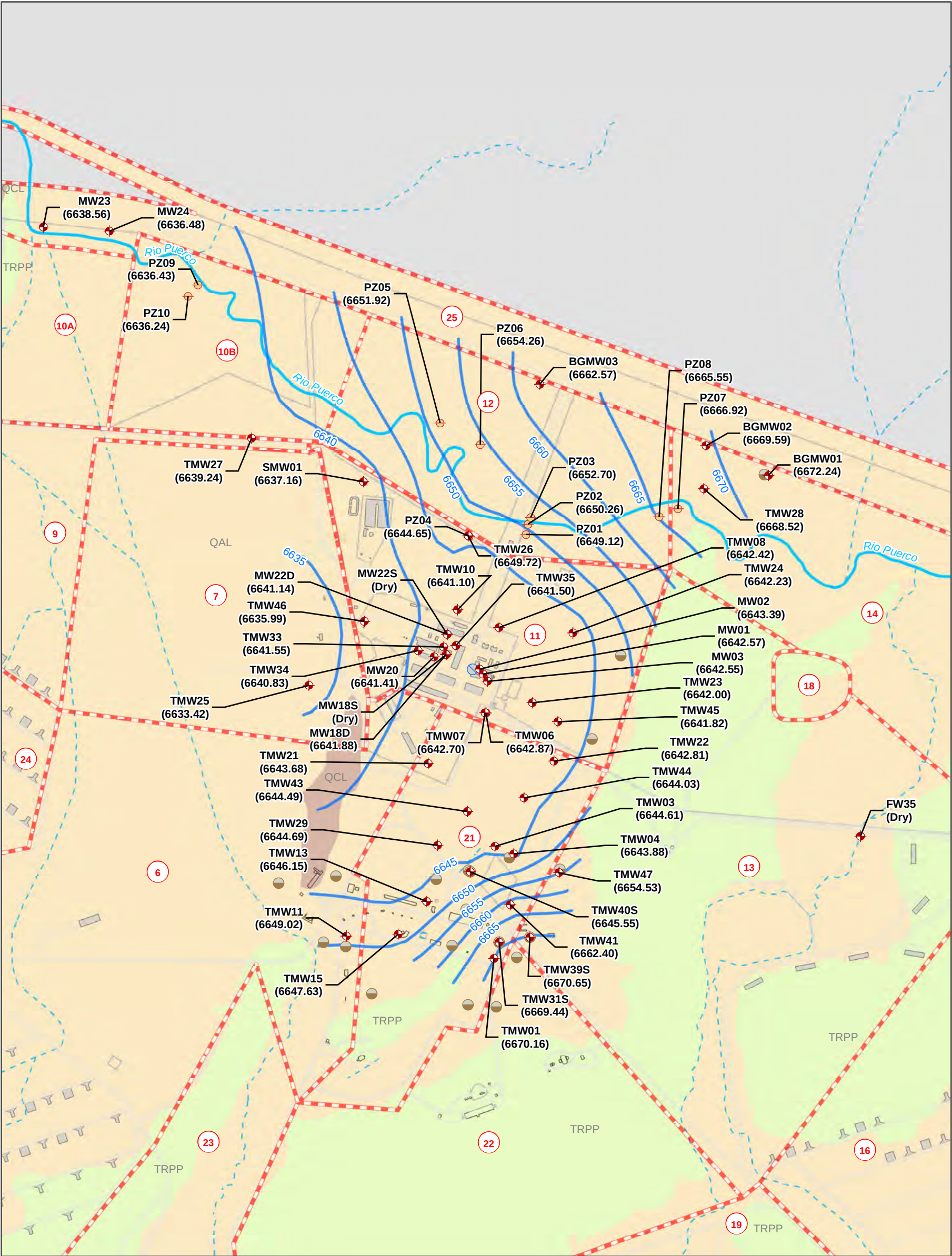
Notes:
AOC = Area of Concern
OB/OD = Open Burn/Open Detonation
SWMU = Solid Waste Management Unit
Data Sources:
Roads, Railroad: Tele Atlas GDT-Dynamap, 2008;
Populated Places: ESRI 2005;
Fort Wingate Environmental Restoration Detail: USACE.

FIGURE 1-2
Well Location Map

Groundwater Periodic Monitoring
Report, July-December 2018
*Fort Wingate Depot Activity,
McKinley County, New Mexico*

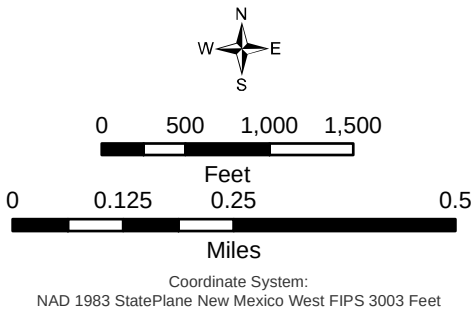


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Legend

- Alluvial Well
- Bedrock Well
- Piezometer
- Well 69
- Parcel Boundary
- Existing Structure
- Former Structure
- Road
- Arroyo
- Rio Puerco
- Groundwater Contour, 5-foot intervals
- Fence
- QAL-Quaternary Alluvial Deposits
- QCL-Quaternary Gravel
- TRPP-Petrified Forest Formation



Notes

All elevations are in feet above mean sea level.

FW31, located in Parcel 19, had a groundwater elevation of 6789.40. FW31 is not shown on this map.

Figure 4-1

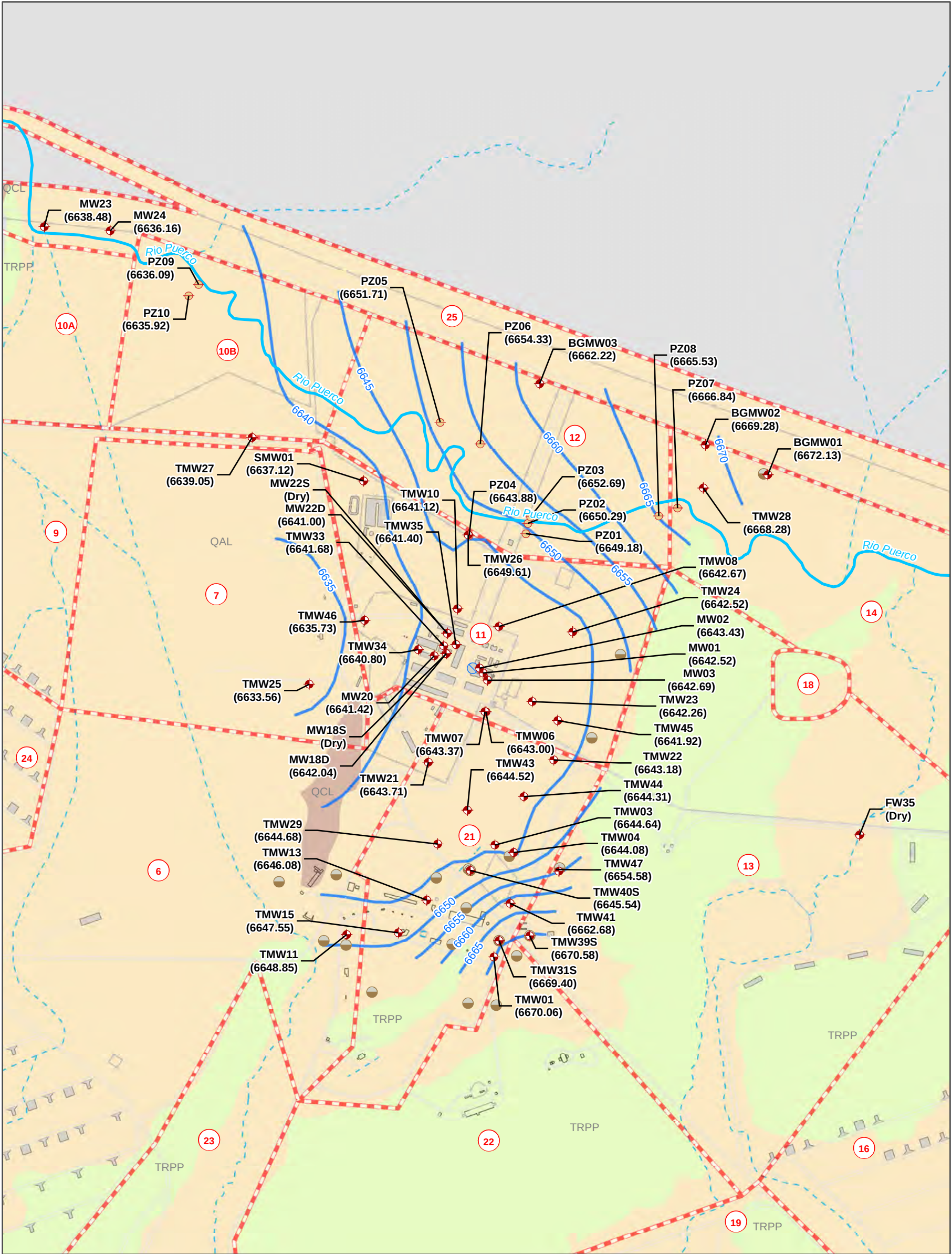
Northern Area Alluvial
Groundwater Contour Map
July 2018

Groundwater Periodic Monitoring
Report, July-December 2018

Fort Wingate Depot Activity
McKinley County, New Mexico

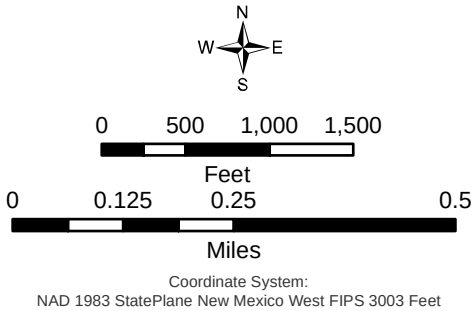


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Legend

- Alluvial Well
- Bedrock Well
- Piezometer
- Well 69
- Parcel Boundary
- Existing Structure
- Former Structure
- Road
- Arroyo
- Rio Puerco
- Groundwater Contour, 5-foot intervals
- Fence
- QAL-Quaternary Alluvial Deposits
- QCL-Quaternary Gravel
- TRPP-Petrified Forest Formation



Notes

All elevations are in feet above mean sea level.

FW31, located in Parcel 19, had a groundwater elevation of 6789.35. FW31 is not shown on this map.

Figure 4-2

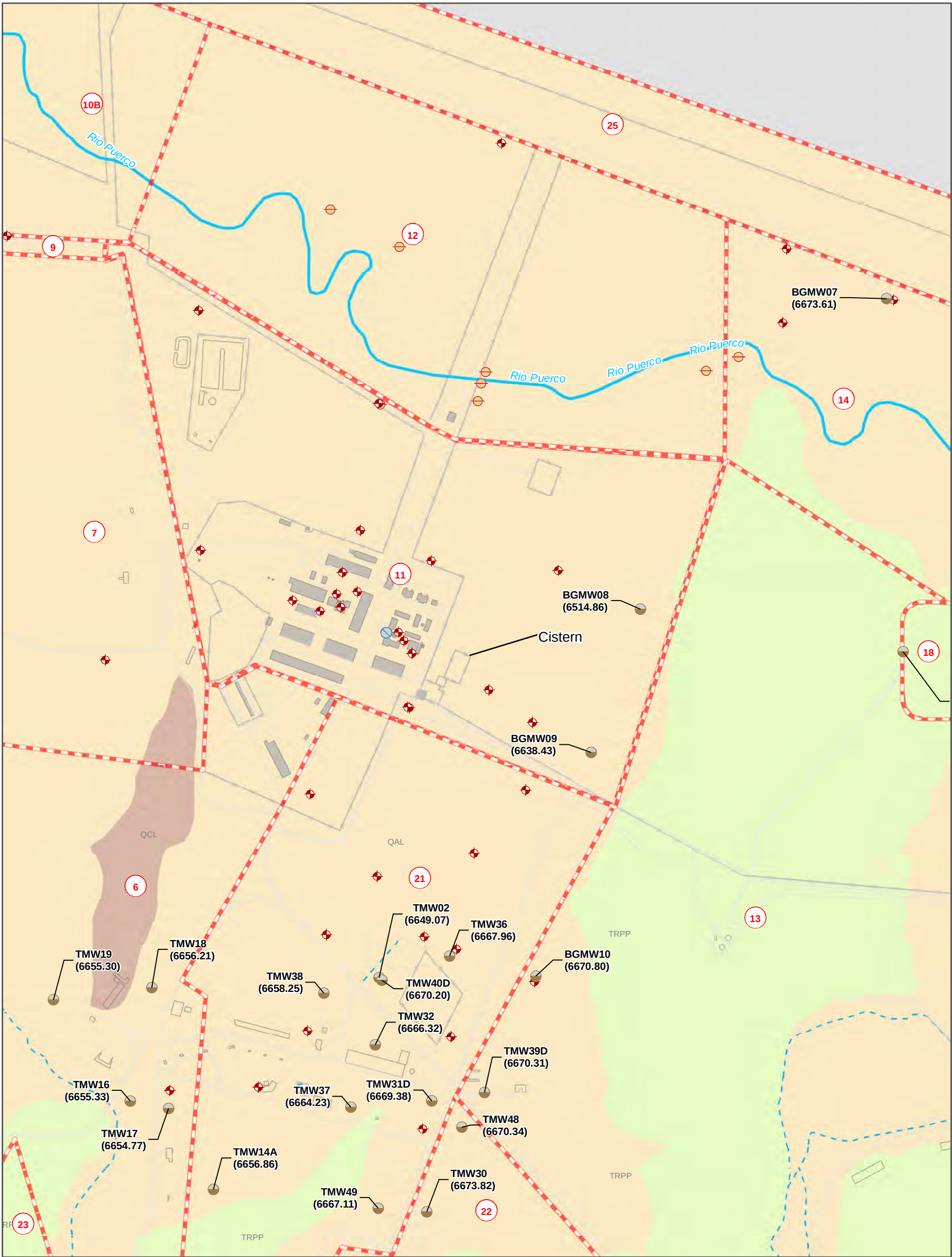
Northern Area Alluvial
Groundwater Contour Map
October 2018

Groundwater Periodic Monitoring
Report, July-December 2018

Fort Wingate Depot Activity
McKinley County, New Mexico



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Legend

- Alluvial Well
- Bedrock Well
- Piezometer
- Well 69
- Parcel Boundary
- Existing Structure
- Former Structure
- Road
- Arroyo
- Rio Puerco
- Fence
- QAL-Quaternary Alluvial Deposits
- QCL-Quaternary Gravel
- TRPP-Petrified Forest Formation

Notes

All elevations are in feet above mean sea level.

Groundwater elevation contours not drawn due to lack of sufficient elevation data. Only elevations at each individual well are provided.

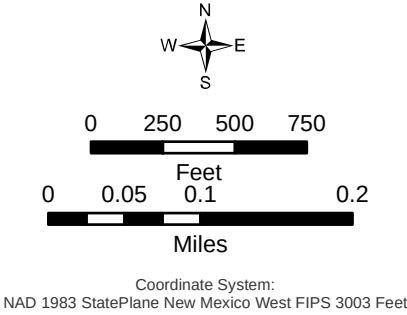


Figure 4-3

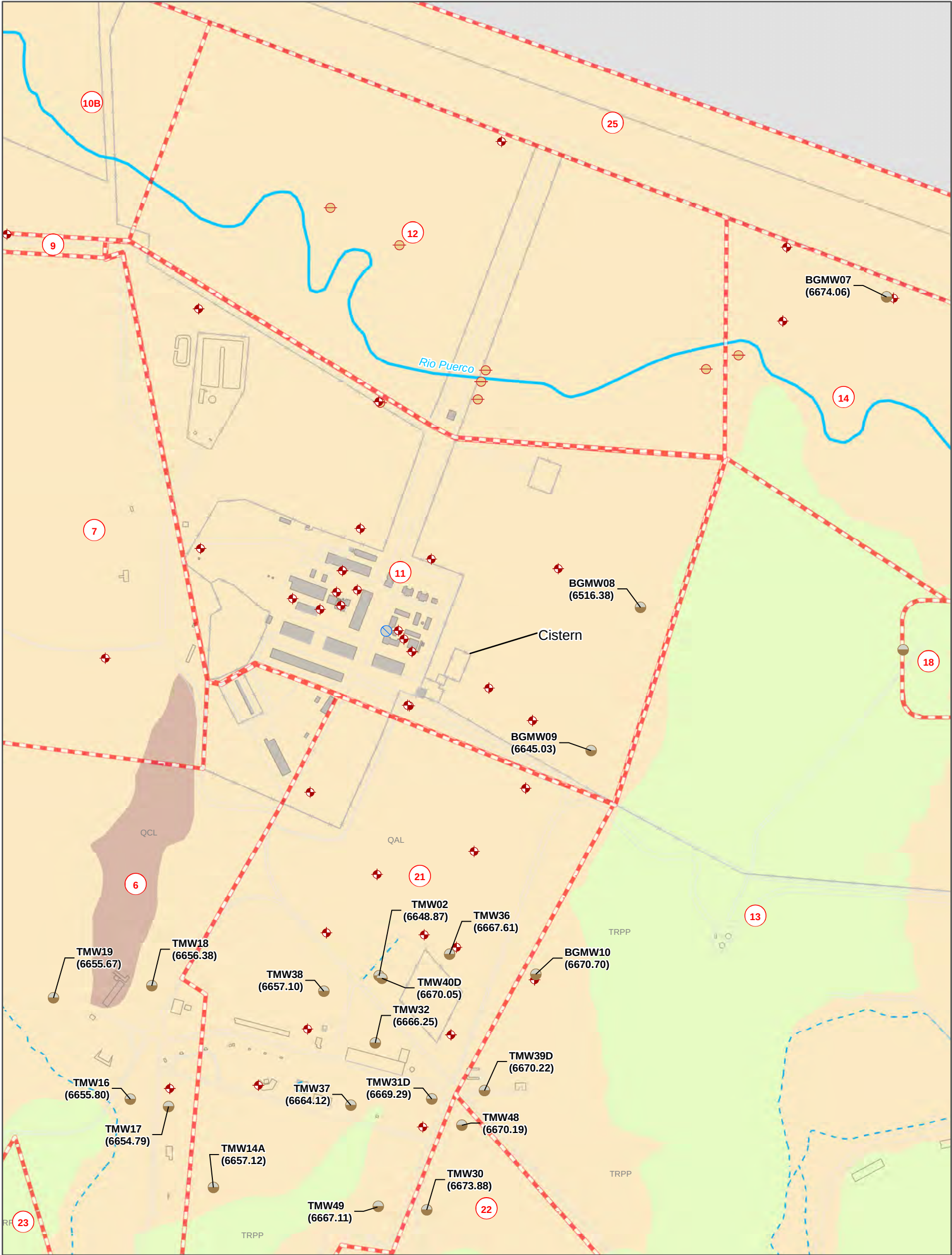
Northern Area Bedrock
Groundwater Elevation Map
July 2018

Groundwater Periodic Monitoring
Report, July-December 2018

Fort Wingate Depot Activity
McKinley County, New Mexico



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Legend

	Alluvial Well		Fence
	Bedrock Well		QAL-Quaternary Alluvial Deposits
	Piezometer		QCL-Quaternary Gravel
	Well 69		TRPP-Petrified Forest Formation
	Parcel Boundary		
	Existing Structure		
	Former Structure		
	Road		
	Arroyo		
	Rio Puerco		

Notes

All elevations are in feet above mean sea level.

Groundwater elevation contours not drawn due to lack of sufficient elevation data. Only elevations at each individual well are provided.

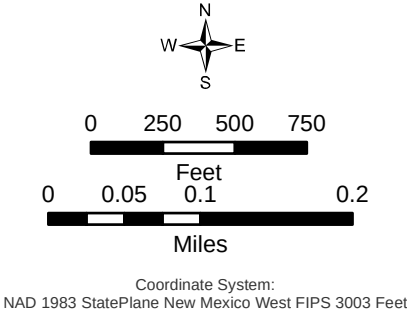


Figure 4-4

Northern Area Bedrock
Groundwater Elevation Map
October 2018

Groundwater Periodic Monitoring
Report, July-December 2018

Fort Wingate Depot Activity
McKinley County, New Mexico



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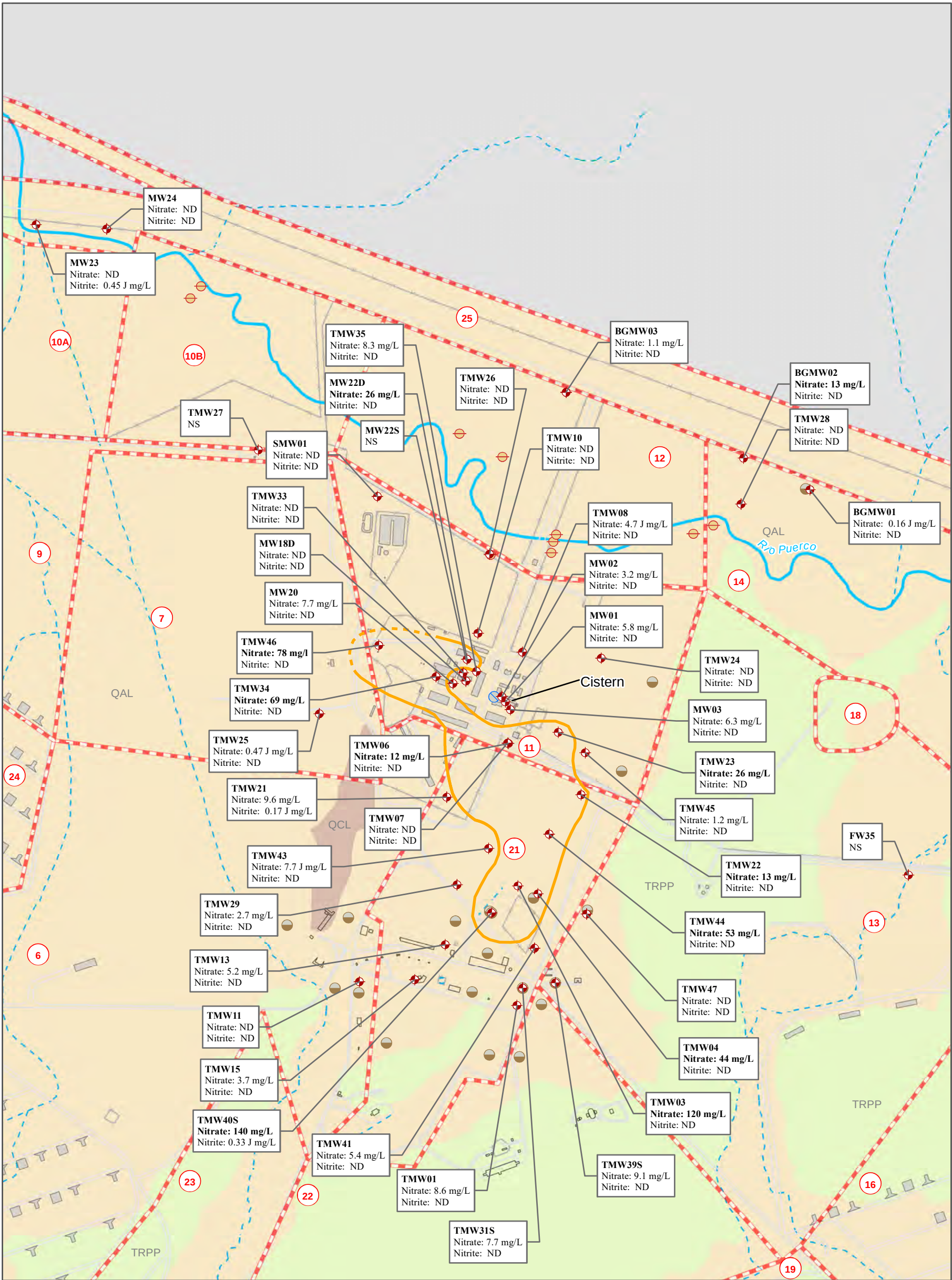


Figure 5-1

Northern Area Nitrate and Nitrite Concentrations in Alluvial Groundwater, October 2018

Groundwater Periodic Monitoring Report, July-December 2018

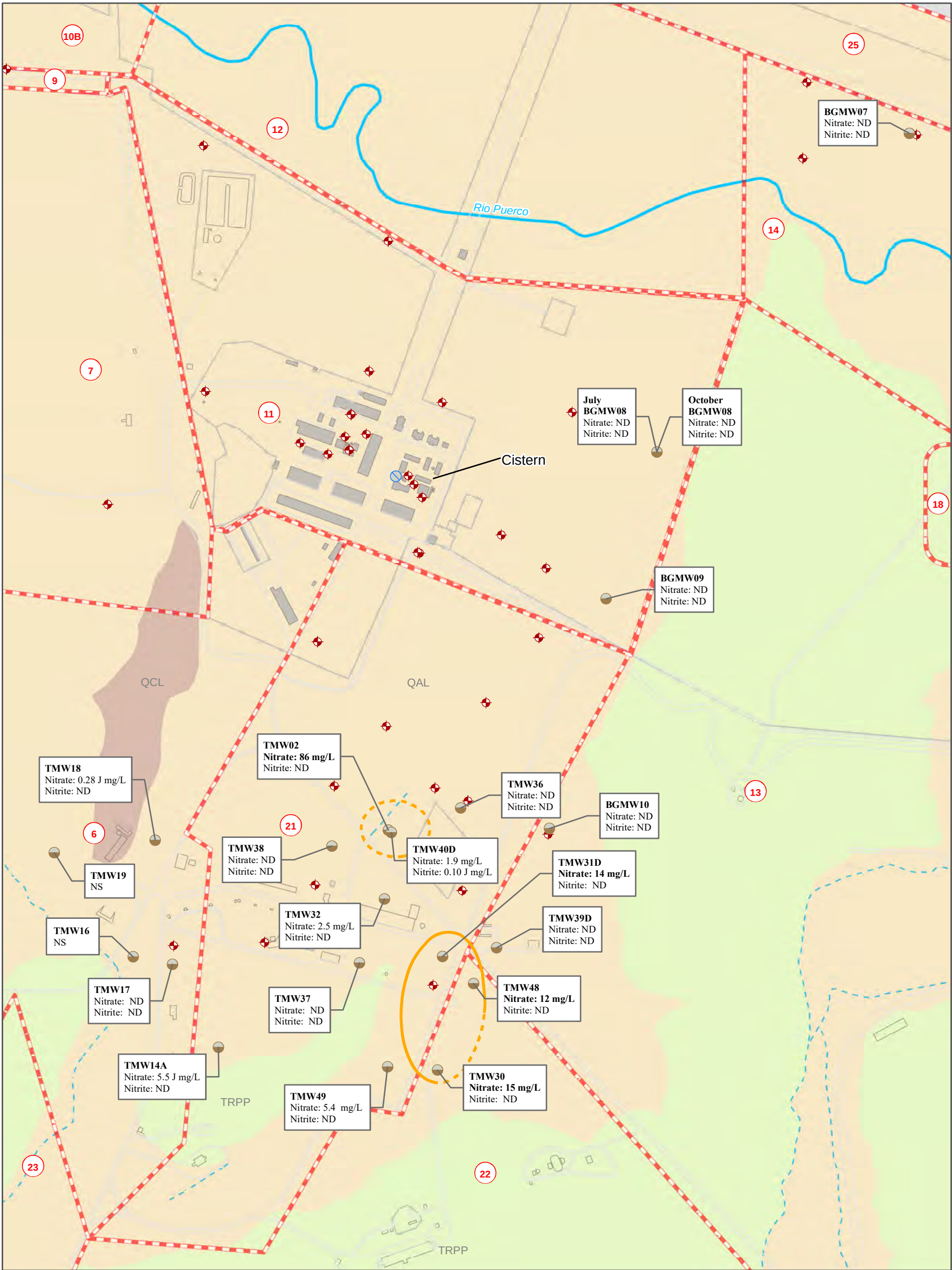
Fort Wingate Depot Activity
McKinley County, New Mexico



Sundance
Consulting Inc.

FW31, located in Parcel 19, had a detection for Nitrate: 2.6 µg/L and had no detections for Nitrite. FW31 is not shown on this map.

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Legend

- Alluvial Well
- Bedrock Well
- Well 69
- Parcel Number
- Parcel Boundary
- Existing Structure
- Former Structure
- Road
- Arroyo
- Rio Puerco
- Fence
- Nitrate (10 mg/L)
- Inferred Plume Boundary
- QAL-Quaternary Alluvial Deposits
- QCL-Quaternary Gravel
- TRPP-Petrified Forest Formation

Notes

> = greater than
mg/L = milligram per liter
J = The analyte was positively identified by laboratory;
the reported concentration is estimated.
ND = not detected
NS = Not Sampled
BOLD values indicate;
Nitrate detections > 10 mg/L

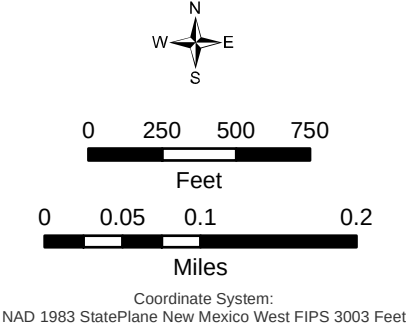


Figure 5-2

Northern Area Nitrate and Nitrite
Concentrations in Bedrock
Groundwater, October 2018

Groundwater Periodic Monitoring
Report, July-December 2018

Fort Wingate Depot Activity
McKinley County, New Mexico



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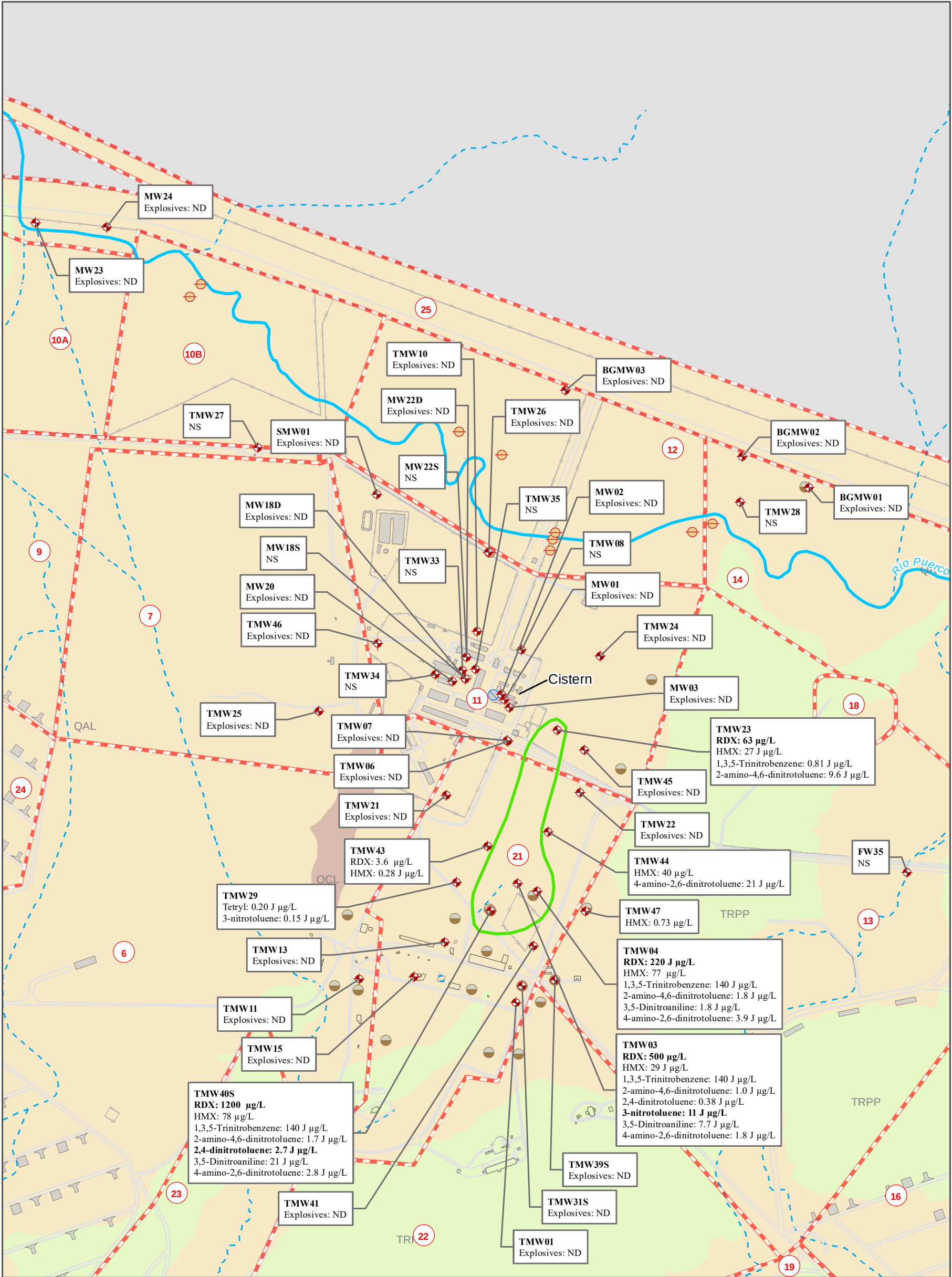


Figure 5-3

Northern Area Explosives Concentrations in Alluvial Groundwater, October 2018

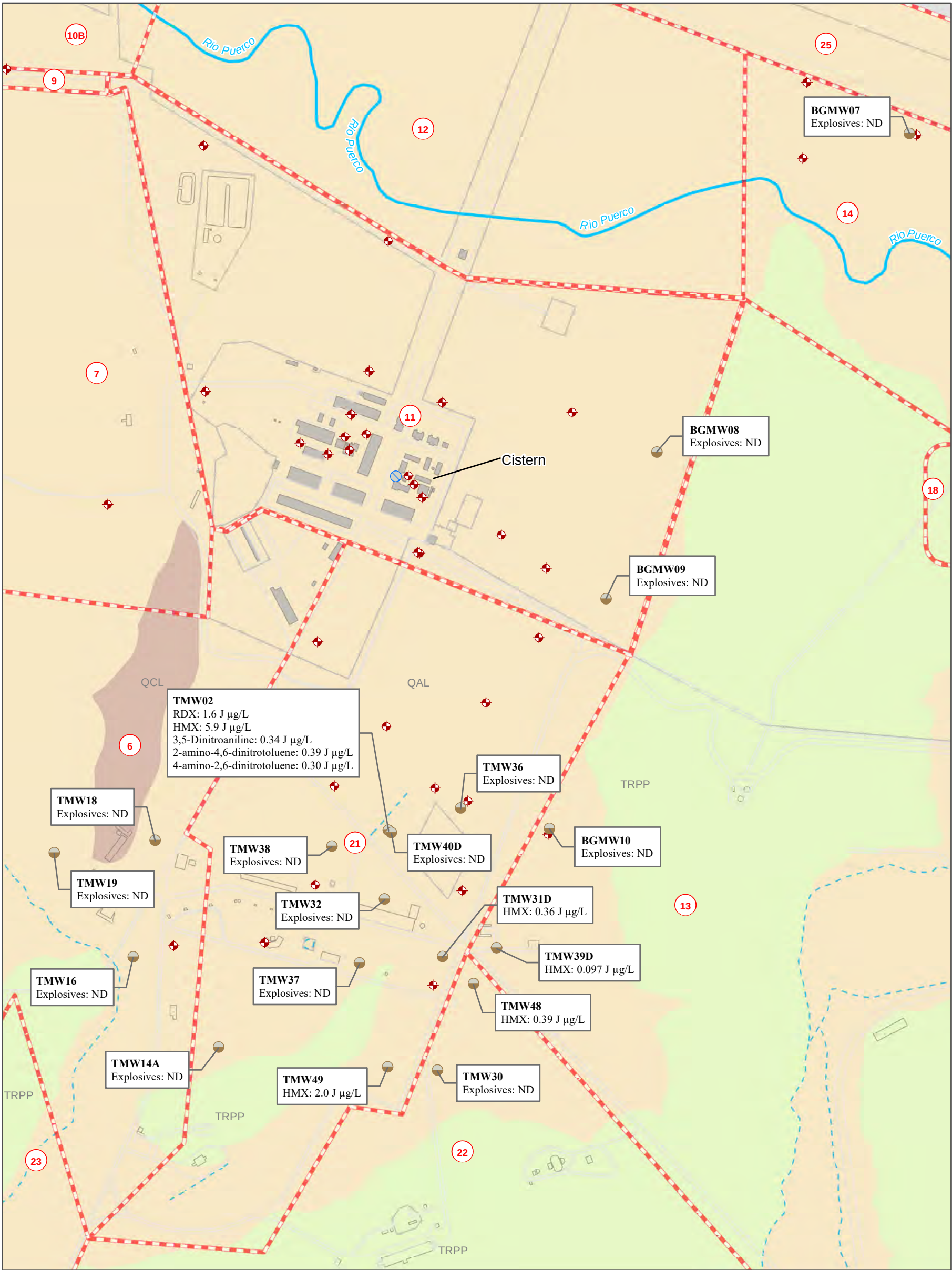
Groundwater Periodic Monitoring Report, July-December 2018

Fort Wingate Depot Activity
McKinley County, New Mexico



Sundance
Consulting Inc.

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Legend

- Alluvial Well
- Bedrock Well
- Well 69
- Parcel Number
- Parcel Boundary
- Existing Structure
- Former Structure
- Road
- Arroyo
- Rio Puerco
- Fence
- QAL-Quaternary Alluvial Deposits
- QCL-Quaternary Gravel
- TRPP-Petrified Forest Formation

Notes

> = greater than
µg/L = microgram per liter
HMX = Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
J = The analyte was positively identified by laboratory;
the reported concentration is estimated.
RDX = Hexahydro-1,3,5-trinitro-1,3,5-triazine
ND = not detected
NS = not sampled

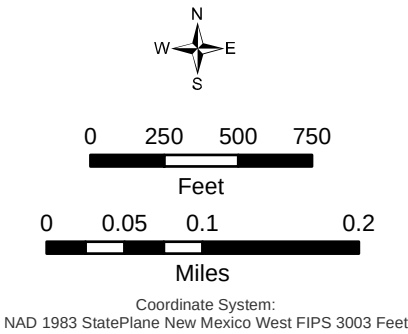


Figure 5-4

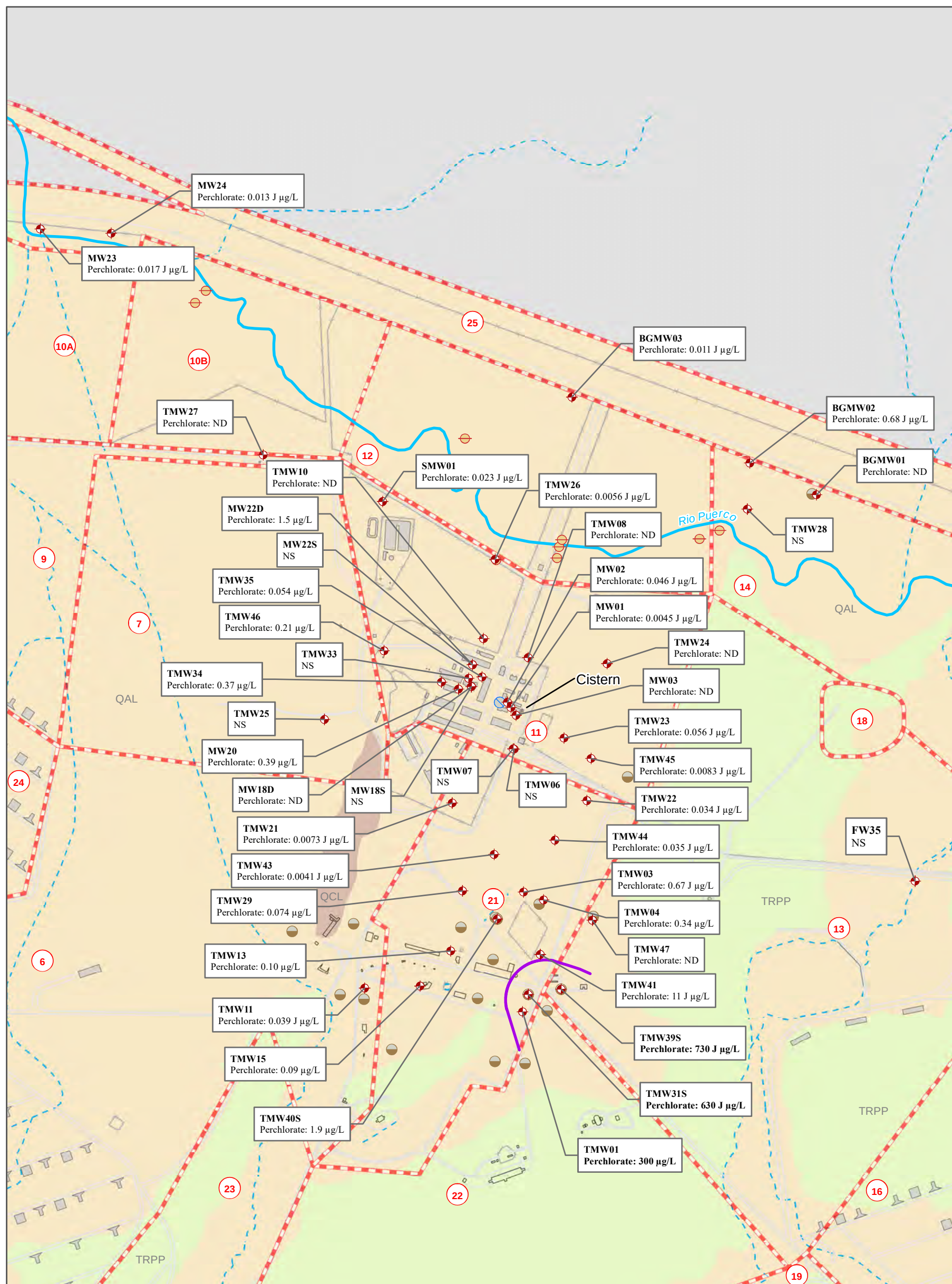
Northern Area Explosives
Concentrations in Bedrock
Groundwater, October 2018

Groundwater Periodic Monitoring
Report, July-December 2018

Fort Wingate Depot Activity
McKinley County, New Mexico



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Legend

	Alluvial Well		Fence
	Bedrock Well		Perchlorate (15 µg/L)
	Piezometer		QAL-Quaternary Alluvial Deposits
	Well 69		QCL-Quaternary Gravel
	Parcel Number		TRPP-Petrified Forest Formation
	Parcel Boundary		
	Existing Structure		
	Former Structure		
	Road		
	Arroyo		
	Rio Puerco		
- ## Notes

> = greater than
 µg/L = microgram per liter
 J = The analyte was positively identified
 the reported concentration is estimated
 ND = not detected
 NS = not sampled

BOLD values indicate;
 Perchlorate detections > 15 µg/L

Notes

> = greater than
 µg/L = microgram per liter
 J = The analyte was positively identified by laboratory;
 the reported concentration is estimated.
 ND = not detected
 NS = not sampled

BOLD values indicate;
Perchlorate detections > 15 µg/L

FW31, located in Parcel 19,
was not sampled for perchlorate.
FW31 is not shown on this map.

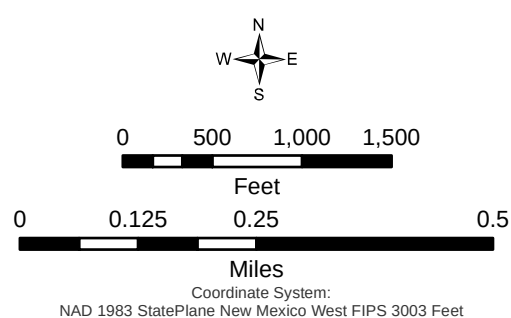


Figure 5-5

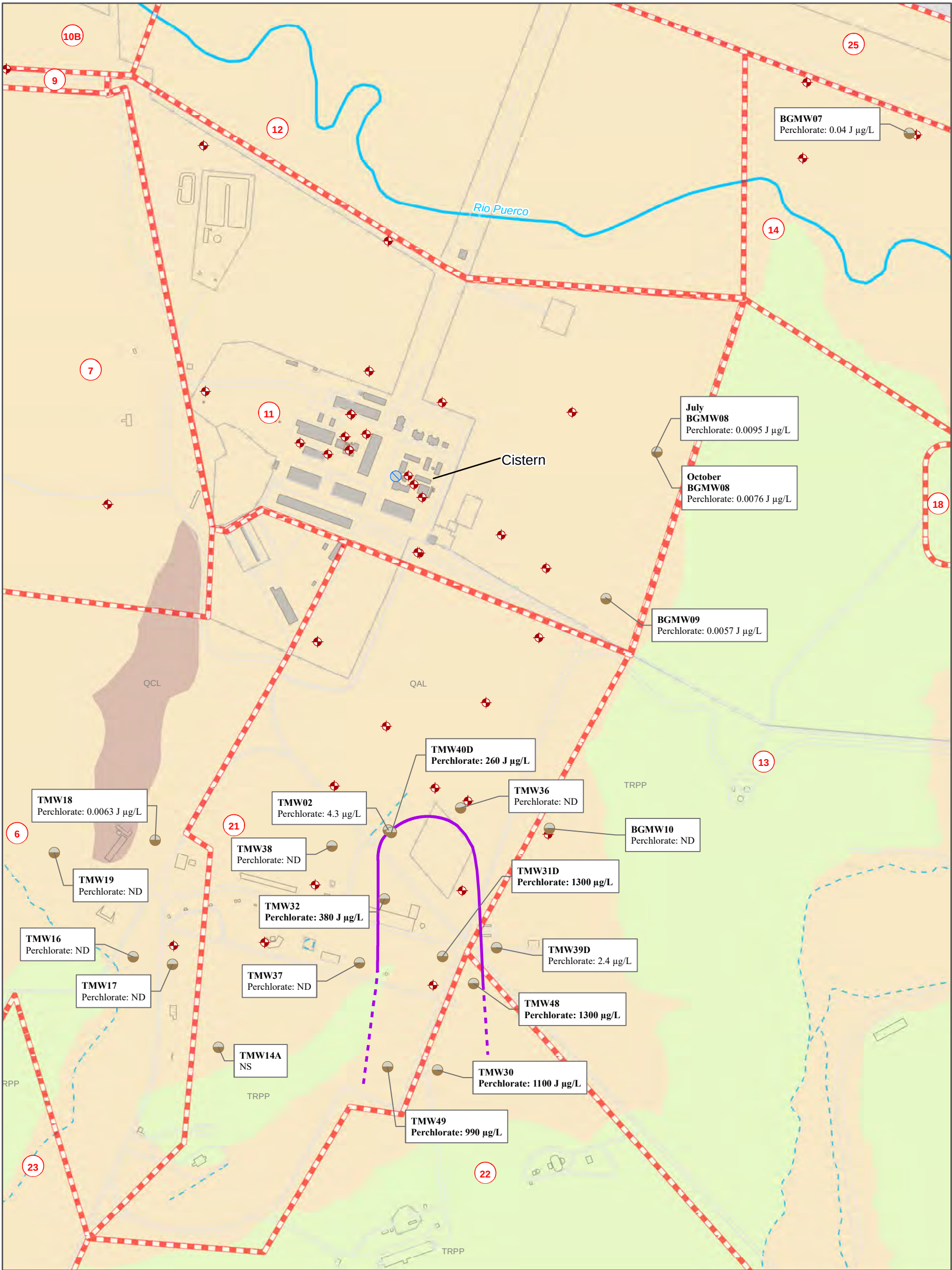
Northern Area Perchlorate
Concentrations in Alluvial
Groundwater, October 2018

Groundwater Periodic Monitoring Report, July-December 2018

Fort Wingate Depot Activity
McKinley County, New Mexico



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Legend

- Alluvial Well
- Bedrock Well
- Well 69
- Parcel Number
- Parcel Boundary
- Existing Structure
- Former Structure
- Road
- Arroyo
- Rio Puerco
- Fence
- Perchlorate (15 µg/L)
- Inferred Plume Boundary
- QAL-Quaternary Alluvial Deposits
- QCL-Quaternary Gravel
- TRPP-Petrified Forest Formation

Notes

> = greater than
µg/L = microgram per liter
J = The analyte was positively identified by laboratory;
the reported concentration is estimated.
ND = not detected
NS = not sampled
BOLD values indicate;
Perchlorate detections > 15 µg/L



0 250 500 750
Feet

0 0.05 0.1 0.2
Miles

Coordinate System:
NAD 1983 StatePlane New Mexico West FIPS 3003 Feet

Figure 5-6

Northern Area Perchlorate
Concentrations in Bedrock
Groundwater, October 2018

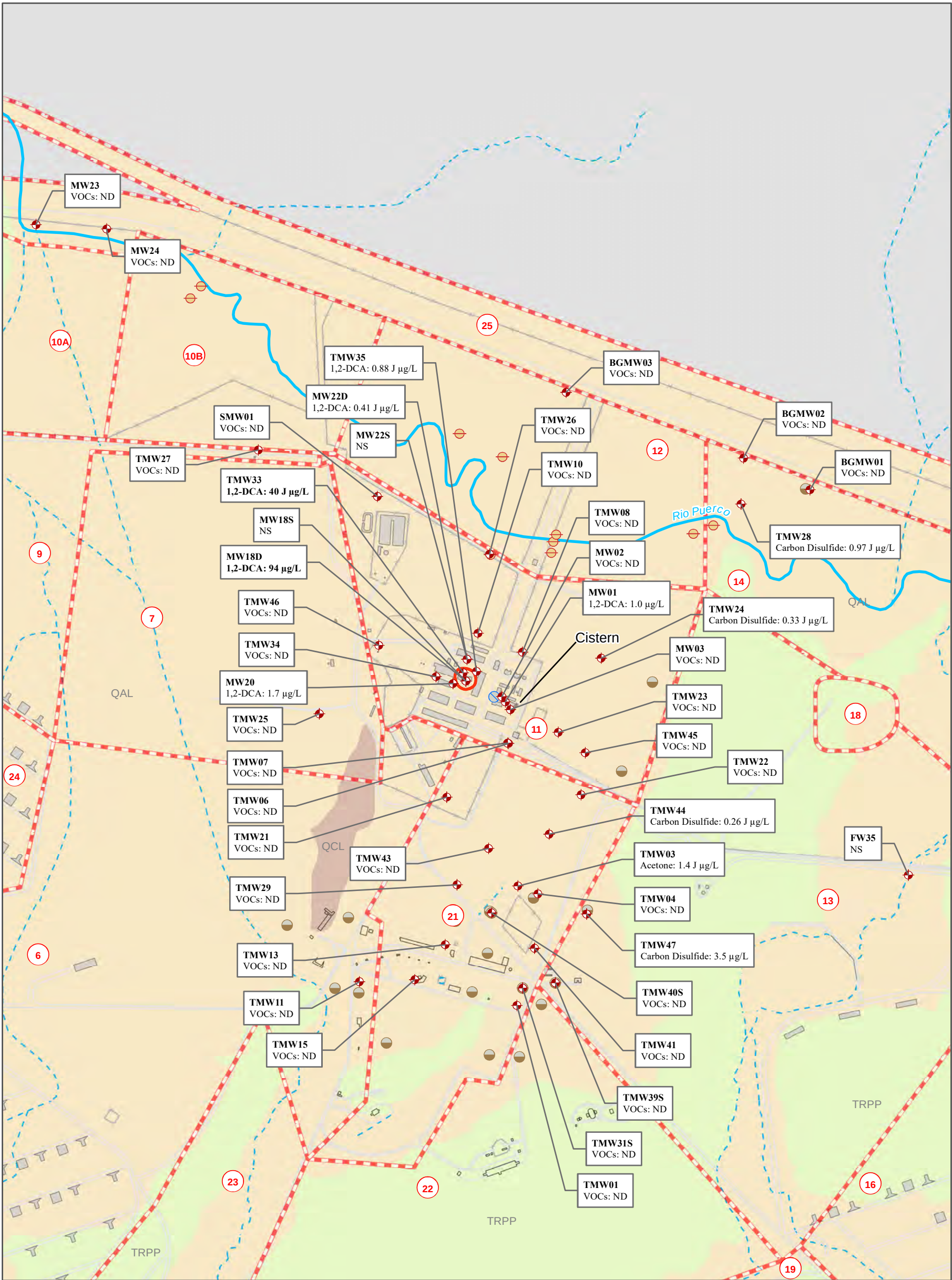
Groundwater Periodic Monitoring
Report, July-December 2018

Fort Wingate Depot Activity
McKinley County, New Mexico



Sundance
Consulting Inc.

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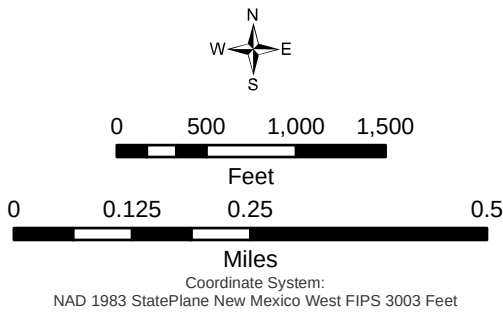
Legend

- Alluvial Well
- Bedrock Well
- Piezometer
- Parcel Number
- Well 69
- Parcel Boundary
- Existing Structure
- Former Structure
- Road
- Arroyo
- Rio Puerco
- Fence
- 1,2-DCA (5 µg/L)
- QAL-Quaternary Alluvial Deposits
- QCL-Quaternary Gravel
- TRPP-Petrified Forest Formation

Notes

> = greater than
µg/L = microgram per liter
1,2-DCA = 1,2-dichloroethene
J = The analyte was positively identified by laboratory;
the reported concentration is estimated.
ND = not detected
NS = not sampled
VOC = volatile organic compound

FW31, located in Parcel 19, had no detections
for VOCs. FW31 is not shown on this map



BOLD values indicate;
1,2-DCA detections > 5 µg/L

Figure 5-7

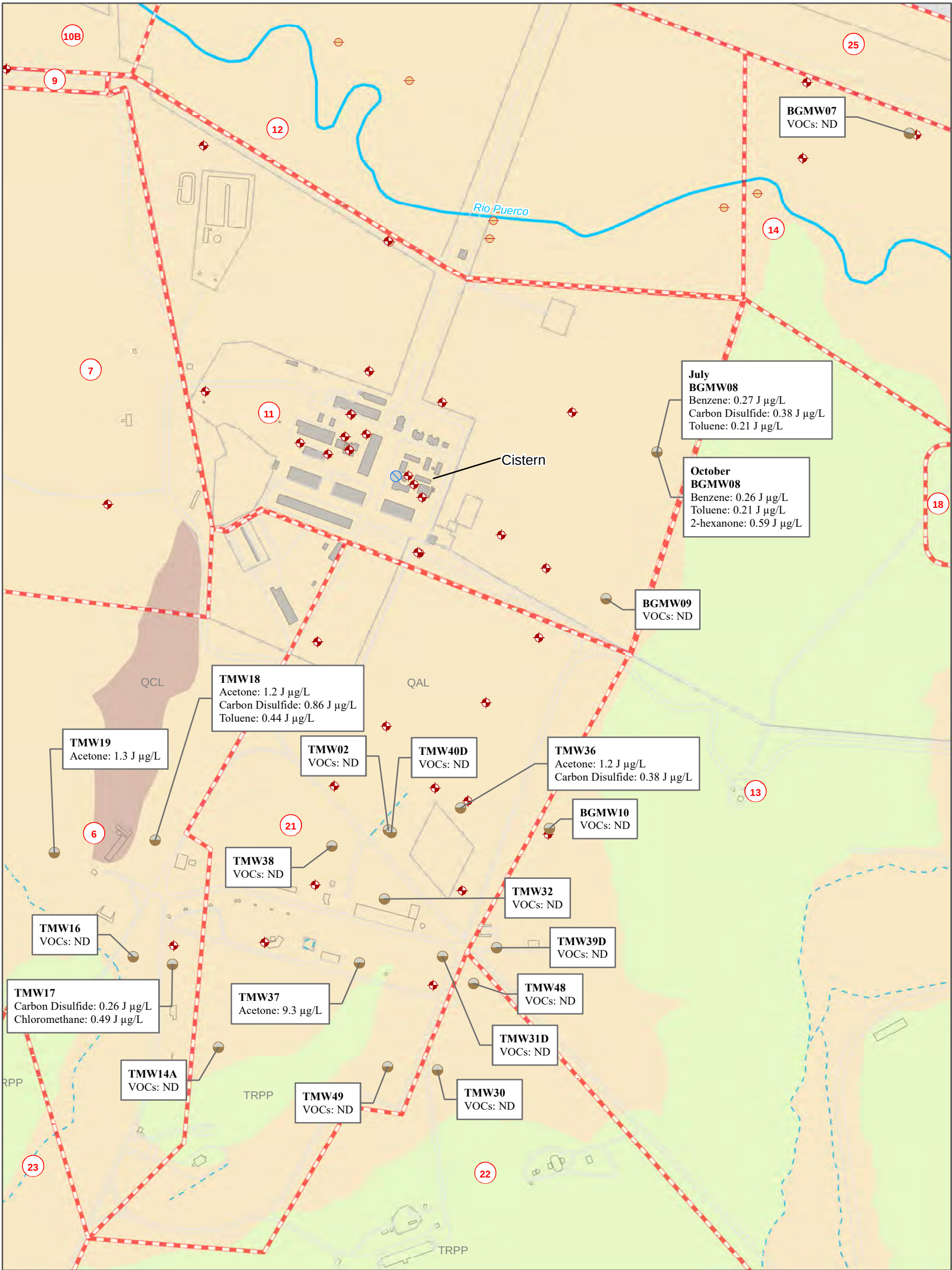
Northern Area VOC
Concentrations in Alluvial
Groundwater, October 2018

Groundwater Periodic Monitoring
Report, July-December 2018

Fort Wingate Depot Activity
McKinley County, New Mexico



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Legend

- Alluvial Well
- Bedrock Well
- Piezometer
- Well 69
- Parcel Number
- Parcel Boundary
- Existing Structure
- Former Structure
- Road
- Arroyo
- Rio Puerco
- Fence
- QAL-Quaternary Alluvial Deposits
- QCL-Quaternary Gravel
- TRPP-Petrified Forest Formation

Notes

> = greater than
µg/L = microgram per liter
1,2-DCA = 1,2-dichloroethene
J = The analyte was positively identified by laboratory;
the reported concentration is estimated.
ND = not detected
VOC = volatile organic compound



0 250 500 750
Feet

0 0.05 0.1 0.2
Miles

Coordinate System:
NAD 1983 StatePlane New Mexico West FIPS 3003 Feet

Figure 5-8

Northern Area VOC
Concentrations in Bedrock
Groundwater, October 2018

Groundwater Periodic Monitoring
Report, July-December 2018

Fort Wingate Depot Activity
McKinley County, New Mexico



Sundance
Consulting Inc.

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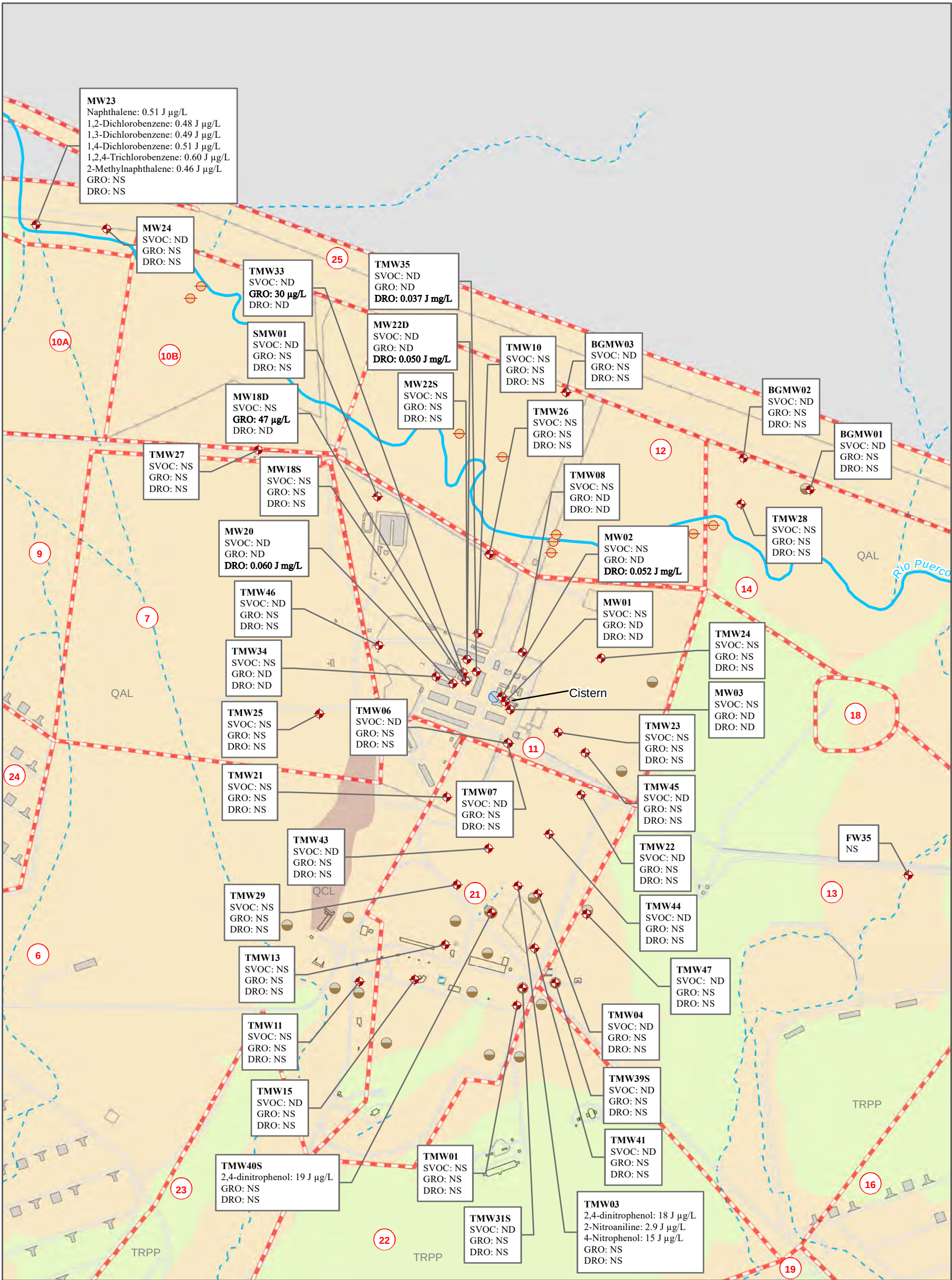


Figure 5-9

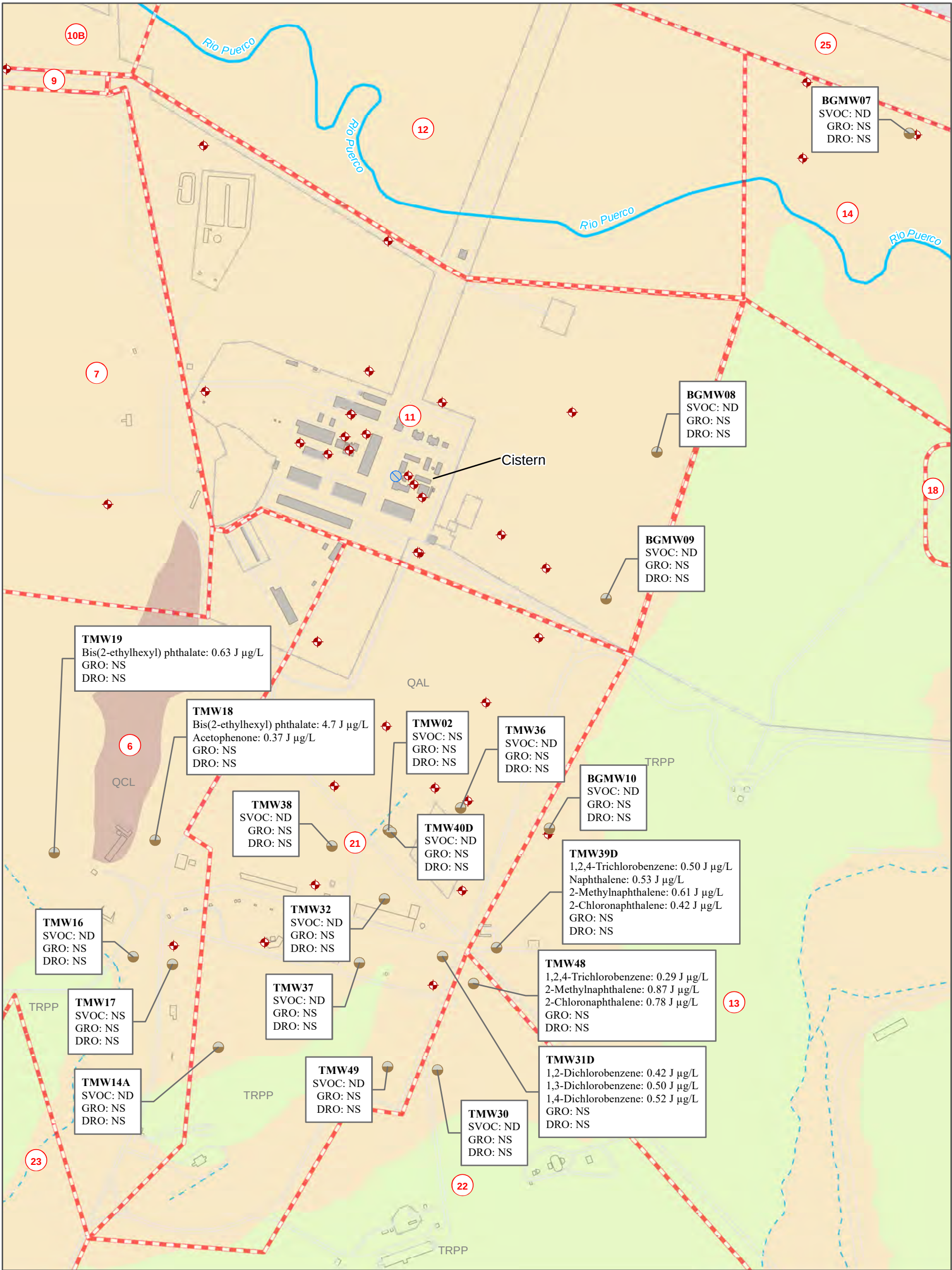
Northern Area SVOC and TPH
Concentrations in Alluvial
Groundwater, October 2018

Groundwater Periodic Monitoring
Report, July-December 2018

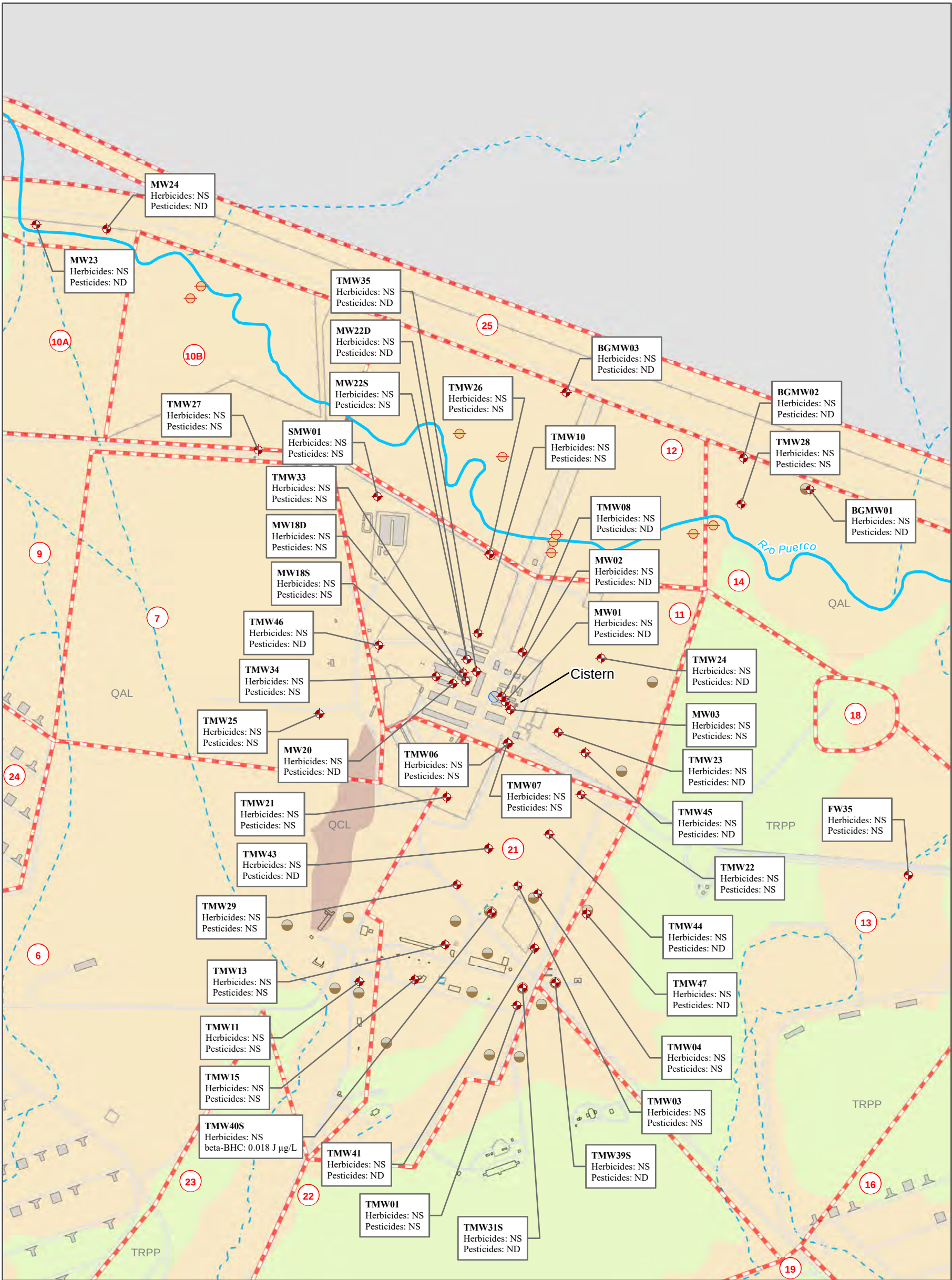
Fort Wingate Depot Activity
McKinley County, New Mexico



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Legend

- Alluvial Well
- Bedrock Well
- Piezometer
- Well 69
- Parcel Number
- Parcel Boundary
- Existing Structure
- Former Structure
- Road
- Arroyo
- Rio Puerco
- Fence
- QAL-Quaternary Alluvial Deposits
- QCL-Quaternary Gravel
- TRPP-Petrified Forest Formation

Notes

> = greater than
µg/L = microgram per liter
J = The analyte was positively identified by laboratory;
the reported concentration is estimated.
ND = not detected
NS = not sampled

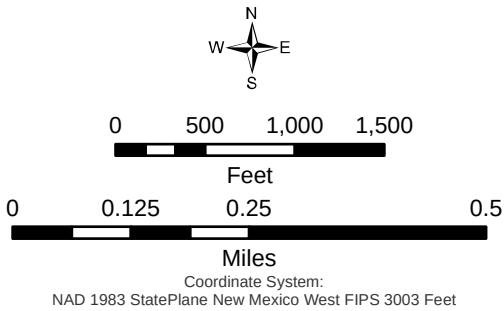


Figure 5-11

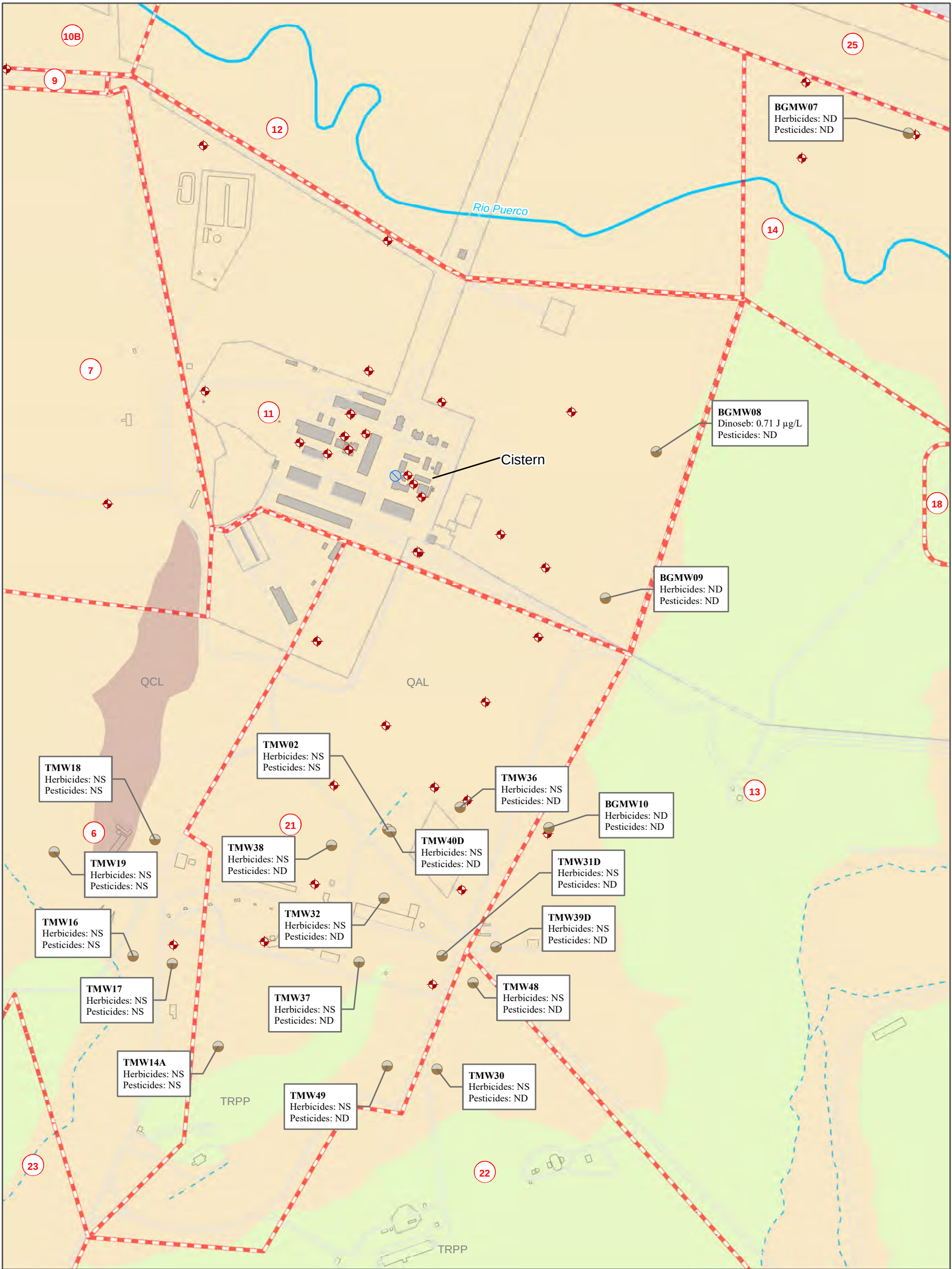
Northern Area Herbicide and Pesticide Concentrations in Alluvial Groundwater, October 2018

Groundwater Periodic Monitoring Report, July-December 2018

Fort Wingate Depot Activity
McKinley County, New Mexico



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Legend

- Alluvial Well
- Bedrock Well
- Well 69
- Parcel Number
- Parcel Boundary
- Existing Structure
- Former Structure
- Road
- Arroyo
- Rio Puerco
- Fence
- QAL-Quaternary Alluvial Deposits
- QCL-Quaternary Gravel
- TRPP-Petrified Forest Formation

Notes

> = greater than
µg/L = microgram per liter
J = The analyte was positively identified by laboratory;
the reported concentration is estimated.
ND = not detected
NS = not sampled

Figure 5-12

Northern Area Herbicide and Pesticide
Concentrations in Bedrock
Groundwater, October 2018

Groundwater Periodic Monitoring
Report, July-December 2018

Fort Wingate Depot Activity
McKinley County, New Mexico



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TABLES

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Table 2-1: Well Construction Details

Well Name	FWDA Parcel	Date Installed	Drilling Method	Northing ^a	Easting ^a	Ground Elevation (famsl) ^b	MP Elevation (famsl) ^b	Well Depth (ft bgs)	Boring Diameter (in)	Casing Diameter (in)	Casing Type	Screen Length (ft)	Screened Interval (ft bgs)	Screened Interval (famsl)	Status	Description
Northern Alluvial Groundwater Zone																
BGMW01	14	2/6/12	HSA	1645977.85	2501983.61	6690.28	6692.68	33.00	8.00	2.50	PVC/screen	20.0	12.5-32.5	6677.78-6657.78	Active	Sandy Silt
BGMW02	14	2/9/12	HSA	1646314.67	2501276.54	6689.20	6691.99	34.00	8.00	2.50	PVC/screen	20.0	13.5-33.5	6675.70-6655.70	Active	Silt/Sand/Clay
BGMW03	12	2/5/12	HSA	1647012.12	2499392.83	6677.79	6680.57	29.00	8.00	2.50	PVC/screen	20.0	8.5-28.5	6669.29-6649.29	Active	Clay
FW31	19	11/19/80	HSA	1631192.98	2505201.31	6830.72	6832.49	50.00	8.00	4.00	PVC/screen	40.0	10.0-50.0	6815.71-6775.71	Active	Clay
FW35	13	11/15/80	HSA	1641888.44	2503025.94	6709.17	6711.11	30.00	8.00	4.00	PVC/screen	20.0	10.0-30.0	6699.26-6679.26	Active	Clay
MW01	11	11/22/96	HSA	1643726.78	2498748.62	6686.03	6685.94	55.00	10.50	2.00	PVC/screen	20.0	33.6-53.6	6651.99-6631.99	Active	Sand/Silty Clay
MW02	11	11/25/96	HSA	1643783.35	2498712.23	6685.78	6685.22	48.00	10.50	2.00	PVC/screen	10.0	37.0-47.0	6645.76-6635.76	Active	Clayey Sand/Clay
MW03	11	11/26/96	HSA	1643644.43	2498801.96	6687.50	6689.53	53.00	10.50	2.00	PVC/screen	10.0	43.0-53.0	6644.42-6634.42	Active	Silty Sand/Clay
MW18D	11	11/1/94	HSA	1643947.99	2498331.32	6684.94	6686.32	59.90	8.00	2.00	PVC/screen	10.0	47.0-57.0	6637.04-6627.04	Active	ND
MW18S	11	11/1/94	HSA	1643948.08	2498331.62	6684.67	6686.61	39.04	8.00	2.00	PVC/screen	10.0	27.0-37.0	6658.17-6648.17	Dry	ND
MW20	11	11/1/94	HSA	1643922.12	2498193.80	6685.34	6687.67	59.40	8.00	2.00	PVC/screen	10.0	47.0-57.0	6638.79-6628.79	Active	ND
MW22D	11	11/1/94	HSA	1644178.39	2498343.15	6682.69	6684.55	58.62	8.00	2.00	PVC/screen	10.0	47.0-57.0	6636.55-6626.55	Active	ND
MW22S	11	11/1/94	HSA	1644178.59	2498343.06	6682.69	6684.69	43.54	8.00	2.00	PVC/screen	10.0	31.0-41.0	6651.57-6641.57	Active	ND
MW23	25	6/30/11	HSA	1648792.02	2493767.75	6652.46	6654.50	134.0	8.00	2.50	PVC/screen	70.0	63.5-133.5	6588.96-6518.96	Active	Sand/Clay
MW24	25	7/2/11	HSA	1648746.52	2494518.24	6655.09	6657.08	66.50	8.00	2.50	PVC/screen	50.0	16.0-66.0	6638.09-6588.09	Active	Sand/Clay
SMW01	11	7/29/96	HSA	1645908.54	2497392.99	6668.41	6669.94	50.21	8.00	2.00	PVC/screen	20.0	29.9 - 49.9	6637.86-6617.86	Active	Silty Sand/Sandy Clay
TMW01	21	7/31/96	HSA	1640504.34	2498872.04	6709.79	6711.84	60.00	8.00	2.00	PVC/screen	15.0	44.0 - 59.0	6666.18-6651.18	Active	Clay with Sand Layer
TMW03	21	7/25/96	HSA	1641773.65	2498883.04	6700.37	6702.43	70.10	8.00	2.00	PVC/screen	20.0	49.8 - 69.8	6650.86-6630.86	Active	Silty Clay/Clayey Sand
TMW04	21	7/26/96	HSA	1641690.11	2499095.25	6699.00	6700.86	70.50	8.00	2.00	PVC/screen	20.0	50.0 - 70.0	6649.08-6629.08	Active	Upper Sand/Lower Clay
TMW06	11	8/27/98	HSA	1643285.82	2498783.81	6689.08	6690.63	57.00	8.80	2.00	PVC/screen	10.0	45.0-55.0	6643.85-6633.85	Active	Sandy Silt
TMW07	11	7/24/98	HSA/AR	1643289.14	2498772.33	6689.08	6690.47	76.00	5.50	2.00	PVC/screen	10.0	65.0-75.0	6633.74-6623.74	Active	Sandy Silt
TMW08	11	8/29/98	HSA	1644255.04	2498930.01	6678.55	6680.31	62.00	8.80	2.00	PVC/screen	30.0	30.0-60.0	6648.43-6618.43	Active	Silty Sand/Clay
TMW10	11	8/20/98	HSA	1644455.63	2498459.83	6677.74	6680.04	65.00	8.80	2.00	PVC/screen	30.0	28.0-58.0	6648.86-6618.86	Active	Silty Sand/Clay
TMW11	6	9/9/98	HSA	1640758.33	2497201.28	6716.16	6718.28	82.00	8.75	2.00	PVC/screen	25.0	55.0-80.0	6661.24-6636.24	Active	Silty Gravel/Sand
TMW13	21	8/11/98	HSA	1641150.12	2498112.40	6705.42	6707.49	72.50	8.80	2.00	PVC/screen	10.0	60.7-70.7	6644.35-6634.35	Active	Sandy Clay/Silt
TMW15	21	12/9/01	AR	1640779.84	2497787.12	6710.80	6713.89	82.00	6.00	2.00	PVC/screen	15.0	56.0-71.0	6652.88-6637.88	Active	Silty Gravel/Sand
TMW21	21	8/9/02	HSA	1642714.59	2498128.03	6692.75	6695.14	72.00	8.00	2.00	PVC/screen	10.0	48.0-58.0	6644.76-6634.76	Active	Sand/Silt/Clay
TMW22	21	8/8/02	HSA	1642741.03	2499552.37	6689.80	6691.74	77.00	8.00	2.00	PVC/screen	10.0	52.0-62.0	6637.13-6627.13	Active	Sand/Silt/Clay
TMW23	11	8/6/02	HSA	1643402.27	2499309.65	6685.37	6687.66	72.00	8.00	2.00	PVC/screen	10.0	46.0-56.0	6638.81-6628.81	Active	Clay/Sand
TMW24	11	8/3/03	HSA	1644192.07	2499766.39	6678.52	6680.42	75.00	8.00	2.00	PVC/screen	10.0	44.0-54.0	6633.30-6623.30	Active	Silty Sand/Silt/Sand
TMW25	7	8/1/02	HSA	1643599.42	2496775.99	6671.09	6672.88	74.00	8.00	2.00	PVC/screen	10.0	42.5-52.5	6627.72-6617.72	Active	Silty Sand/Clay
TMW26	11	7/30/02	HSA	1645294.52	2498581.83	6674.88	6677.71	64.80	8.00	2.00	PVC/screen	10.0	45.0-55.0	6629.97-6619.97	Active	Silt/Sand/Clay
TMW27	9	7/26/02	HSA	1646400.43	2496126.29	6665.45	6668.13	102.20	8.00	2.00	PVC/screen	10.0	60.0-70.0	6605.37-6595.37	Active	Sandy Clay/Silt

Table 2-1: Well Construction Details

Well Name	FWDA Parcel	Date Installed	Drilling Method	Northing ^a	Easting ^a	Ground Elevation (famsl) ^b	MP Elevation (famsl) ^b	Well Depth (ft bgs)	Boring Diameter (in)	Casing Diameter (in)	Casing Type	Screen Length (ft)	Screened Interval (ft bgs)	Screened Interval (famsl)	Status	Description
TMW28	14	7/24/02	HSA	1645827.16	2501250.48	6686.77	6689.17	72.50	8.00	2.00	PVC/screen	10.0	37.0-47.0	6649.79-6639.79	Active	Silty Sand/Sand/Clay
TMW29	21	8/19/02	HSA	1641786.37	2498235.92	6700.31	6702.88	69.00	8.00	2.00	PVC/screen	10.0	49.0-59.0	6652.32-6642.32	Active	Sand/Sandy Clay
TMW31S	21	11/17/09	HSA/AR	1640689.53	2498931.95	6708.53	6710.20	61.00	6.00	2.00	PVC/screen	10.0	50.0-60.0	6658.98-6648.98	Active	Silty Sand/Sand/Clay
TMW33	11	11/19/09	HSA	1644035.48	2498303.75	6684.09	6686.60	60.40	6.00	2.00	PVC/screen	20.0	37.0-57.0	6646.78-6626.78	Active	Silty Sand/Sand/Clay
TMW34	11	11/20/09	HSA	1643993.95	2498014.09	6684.32	6687.29	57.25	6.00	2.00	PVC/screen	20.0	37.0-57.0	6650.32-6630.32	Active	Silty Sand/Sand/Clay
TMW35	11	11/21/09	HSA/AR	1644050.75	2498442.31	6684.14	6686.52	55.00	6.00	2.00	PVC/screen	20.0	35.0-55.0	6649.26-6629.26	Active	Silty Sand/Sand/Clay
TMW39S	13	7/5/11	HSA	1640745.21	2499279.83	6706.53	6708.61	53.00	8.00	2.50	PVC/screen	20.0	32.5-52.5	6674.03-6654.03	Active	Clay
TMW40S	21	9/20/11	HSA	1641487.06	2498603.50	6703.81	6706.40	60.50	8.00	2.50	PVC/screen	10.0	50.0-60.0	6653.81-6643.81	Active	Silt/Sand/Clay
TMW41	21	7/1/11	HSA	1641113.86	2499058.48	6703.48	6705.21	66.00	8.00	2.50	PVC/screen	10.0	55.5-65.5	6647.48-6637.48	Active	Clay with Gravel
TMW43	21	2/3/12	HSA	1642171.46	2498570.92	6695.63	6698.63	78.5	8.00	2.50	PVC/screen	20.0	58.0-78.0	6637.8-6617.8	Active	Sand with Gravel
TMW44	21	2/4/12	HSA	1642323.41	2499212.51	6694.81	6697.31	64.0	8.00	2.50	PVC/screen	20.0	43.5-63.5	6651.5-6631.5	Active	Silty Clay/Sand
TMW45	11	2/8/12	HSA	1643187.53	2499597.72	6686.50	6689.00	59.0	8.00	2.50	PVC/screen	20.0	38.5-58.5	6648.2-6628.2	Active	Sand/Clay
TMW46	11	2/5/12	HSA	1644326.04	2497404.70	6678.69	6680.98	59.0	8.00	2.50	PVC/screen	20.0	38.5-58.5	6640.19-6620.19	Active	Sandy Clay with Gravel
TMW47	13	2/1/12	HSA	1641475.95	2499610.93	6699.32	6701.88	103.0	8.00	2.50	PVC/screen	20.0	82.5-102.5	6616.82-6596.82	Active	Clay/Silt
Northern Bedrock Groundwater Zone																
BGMW07	14	3/25/18	Sonic	1645991.80	2501943.17	6689.09	6691.63	256.00	6.00	2.00	PVC/screen	40.0	215-255	6474.09-6434.09	Active	Sandstone
BGMW08	11	3/12/18	Sonic	1643942.73	2500318.10	6679.08	6685.02	186.00	6.00	2.00	PVC/screen	20.0	165-185	6514.08-6494.08	Active	Sandstone
BGMW09	11	3/9/18	Sonic	1642995.48	2499987.66	6689.39	6692.27	173.00	6.00	2.00	PVC/screen	30.0	106-136	6583.39-6553.39	Active	Sandstone
BGMW10	13	3/21/18	Sonic	1641517.64	2499626.14	6698.80	6701.49	147.00	6.00	2.00	PVC/screen	30.0	106-136	6592.8-6562.8	Active	Sandstone
TMW02	21	7/31/96	HSA	1641503.03	2498583.97	6703.34	6705.35	85.00	8.00	2.00	PVC/screen	14.0	67.9 - 81.9	6636.06-6622.06	Active	Sandstone
TMW14A	21	1/25/01	AR	1640105.58	2497489.30	6721.08	6723.54	110.00	6.00	2.00	PVC/screen	15.0	94.25-109.25	6627.34-6612.34	Active	Sandstone
TMW16	6	12/5/01	AR	1640687.46	2496941.08	6711.65	6714.15	142.00	6.00	2.00	PVC/screen	15.0	123.0-138.0	6587.59-6572.95	Active	Sandstone
TMW17	6	12/13/01	AR	1640639.74	2497193.66	6717.40	6719.89	152.00	6.00	2.00	PVC/screen	15.0	112.0-127.0	6605.49-6590.49	Active	Sandstone
TMW18	6	12/14/01	AR	1641437.52	2497083.23	6710.14	6713.49	220.00	6.00	2.00	PVC/screen	10.0	150.0-160.0	6563.66-6553.66	Active	Sandstone
TMW19	6	12/3/01	AR	1641357.45	2496433.25	6697.57	6700.52	187.00	6.00	2.00	PVC/screen	15.0	169.0-184.0	6528.57-6513.57	Active	Sandstone
TMW30	21	11/15/09	HSA/AR	1639957.87	2498898.99	6712.35	6714.59	51.50	6.00	2.00	PVC/screen	10.0	35.0-45.0	6677.31-6667.31	Active	Sandstone
TMW31D	21	11/16/09	HSA/AR	1640689.53	2498931.95	6708.53	6710.44	111.50	6.00	2.00	PVC/screen	30.0	77.0 - 107.0	6631.98-6601.98	Active	Sandstone
TMW32	21	11/18/09	HSA	1641059.71	2498559.18	6707.09	6709.31	139.10	6.00	2.00	PVC/screen	20.0	117.0-137.0	6590.89-6570.89	Active	Sandstone
TMW36	21	11/22/09	HSA/AR	1641645.74	2499049.17	6697.33	6699.04	157.00	6.00	2.00	PVC/screen	20.0	132.0-152.0	6567.32-6547.32	Active	Sandstone
TMW37	21	11/23/09	HSA/AR	1640648.14	2498397.74	6710.51	6713.09	111.00	6.00	2.00	PVC/screen	20.0	88.0-108.0	6622.88-6602.88	Active	Sandstone
TMW38	21	9/3/11	HSA	1641400.80	2498219.52	6704.41	6706.79	159.50	8.00	2.50	PVC/screen	40.0	118.9-158.9	6585.41-6545.41	Active	Sandstone
TMW39D	13	9/7/11	HSA	1640745.21	2499279.83	6706.53	6708.61	100.50	8.00	2.50	PVC/screen	30.0	70.0-100.0	6636.53-6606.53	Active	Sandstone
TMW40D	21	9/20/11	HSA	1641487.06	2498603.50	6703.81	6706.15	155.50	8.00	2.50	PVC/screen	20.0	135.0-155.0	6568.81-6548.81	Active	Sandstone
TMW48	13	9/15/11	HSA	1640515.53	2499131.31	6707.8	6709.8	91.5	8.00	2.50	PVC/screen	20.0	71.0-91.0	6636.80-6616.80	Active	Sand

Table 2-1: Well Construction Details

Well Name	FWDA Parcel	Date Installed	Drilling Method	Northing ^a	Easting ^a	Ground Elevation (famsl) ^b	MP Elevation (famsl) ^b	Well Depth (ft bgs)	Boring Diameter (in)	Casing Diameter (in)	Casing Type	Screen Length (ft)	Screened Interval (ft bgs)	Screened Interval (famsl)	Status	Description
TMW49	21	9/9/11	HSA	1639979.77	2498578.38	6712.2	6714.7	60.0	8.00	2.50	PVC/screen	20.0	40.0-60.0	6672.20-6652.20	Active	Sand

Notes:

^a Horizontal coordinate system: North American Datum of 1983, NM State Plane West

^b Vertical coordinate system: North American Vertical Datum of 1988

Acronyms and Abbreviations:

- AR = air rotary
- bgs = below ground surface
- famsl = feet above mean sea level
- ft = foot
- FWDA = Fort Wingate Depot Activity
- HSA = hollow-stem auger
- in = inch
- MP = measuring point
- ND = no data available
- NM = New Mexico
- PVC = polyvinyl chloride

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Table 2-2: October 2018 Groundwater Sample Matrix

Well Name	Purge Method	Pump Type	Sample ID	Nitrate/ Nitrite Method 9056A	Explosives Method 8330B	Perchlorate ^c Method 6860	TCL VOCs Method 8260C	TCL SVOCs Method 8270D	TAL Dissolved Metals ^c Methods 6010C/6020A / 7470A	TAL Total Metals Methods 6010C/6020 A/7470A	TPH DRO Method 8015C	TPH GRO Method 8015C	TCL Pesticides Method 8081A	PCB Method 8082A	Herbicides Method 8151A
Northern Alluvial Groundwater Zone															
BGMW01	low-flow	BESST	BGMW01102018	X	X	X	X	X	X	X			X		
BGMW02	low-flow	BESST	BGMW02102018	X	X	X	X	X	X	X			X		
Matrix Spike ^a	low-flow	BESST	BGMW02102018MS	X	X	X	X	X	X	X			X		
Matrix Spike ^a	low-flow	BESST	BGMW02102018MSD	X	X	X	X	X	X	X			X		
BGMW03	well volume	Grundfos	BGMW03102018	X	X	X	X	X	X	X			X		
FW31	well volume	bail	FW31102018	X	X		X	X	X	X			X		
FW35	well volume	Grundfos	FW35102018	Well was dry and was not sampled.											
MW01	well volume	bail	MW01102018	X	X	X	X		X	X	X	X	X		
MW02	well volume	bail	MW02102018	X	X	X	X		X	X	X	X	X		
MW03	low-flow	BESST	MW03102018	X	X	X	X		X	X	X	X			
MW18D	well volume	Grundfos	MW18D102018	X	X	X	X		X	X	X	X			
MW20	low-flow	BESST	MW20102018	X	X	X	X	X	X	X	X	X	X		
MW22D	low-flow	BESST	MW22D102018	X	X	X	X	X	X	X	X	X	X		
Matrix Spike ^a	low-flow	BESST	MW22D102018MS	X	X	X	X	X	X	X	X	X	X		
Matrix Spike ^a	low-flow	BESST	MW22D102018MSD	X	X	X	X	X	X	X	X	X	X		
MW22S	well volume	bail	MW22S102018	Well was dry and was not sampled.											
MW23	well volume	Bennett	MW23102018	X	X	X	X	X	X	X			X		
Duplicate ^b	well volume	Bennett	MW23102018FD	X	X	X	X	X	X	X			X		
Matrix Spike ^a	well volume	Bennett	MW23102018MS	X	X	X	X	X	X	X			X		
Matrix Spike ^a	well volume	Bennett	MW23102018MSD	X	X	X	X	X	X	X			X		
MW24	well volume	Bennett	MW24102018	X	X	X	X	X	X	X			X		
Duplicate ^b	well volume	Bennett	MW24102018FD	X	X	X	X	X	X	X			X		
SMW01	low-flow	BESST	SMW01102018	X	X	X	X	X	X	X					
TMW01	low-flow	BESST	TMW01102018	X	X	X	X		X	X					
TMW03	low-flow	BESST	TMW03102018	X	X	X	X	X	X	X					
TMW04	low-flow	BESST	TMW04102018	X	X	X	X	X	X	X					
TMW06	low-flow	BESST	TMW06102018	X	X		X	X	X	X					
TMW07	well volume	Grundfos	TMW07102018	X	X		X	X	X	X					
TMW08	low-flow	BESST	TMW08102018	X		X	X		X	X	X	X	X		
TMW10	low-flow	BESST	TMW10102018	X	X	X	X		X	X					
TMW11	well volume	Grundfos*	TMW11102018	X	X	X	X		X	X					
TMW13**	low-flow	BESST	TMW13102018	X	X	X	X		X	X					
TMW15	low-flow	BESST	TMW15102018	X	X	X	X	X	X	X					
Duplicate ^b	low-flow	BESST	TMW15102018FD	X	X	X	X	X	X	X					

Table 2-2: October 2018 Groundwater Sample Matrix

Well Name	Purge Method	Pump Type	Sample ID	Nitrate/ Nitrite Method 9056A	Explosives Method 8330B	Perchlorate ^c Method 6860	TCL VOCs Method 8260C	TCL SVOCs Method 8270D	TAL Dissolved Metals ^c Methods 6010C/6020A / 7470A	TAL Total Metals Methods 6010C/6020 A/7470A	TPH DRO Method 8015C	TPH GRO Method 8015C	TCL Pesticides Method 8081A	PCB Method 8082A	Herbicides Method 8151A
TMW21	well volume	bail	TMW21102018	X	X	X	X		X	X					
TMW22	well volume	Grundfos	TMW22102018	X	X	X	X	X	X	X					
TMW23	well volume	Grundfos	TMW23102018	X	X	X	X		X	X			X		
TMW24	low-flow	BESST	TMW24102018	X	X	X	X		X	X			X		
TMW25	well volume	Grundfos*	TMW25102018	X	X		X		X	X					
TMW26	low-flow	BESST	TMW26102018	X	X	X	X		X	X					
Duplicate ^b	low-flow	BESST	TMW26102018FD	X	X	X	X		X	X					
TMW27	low-flow	BESST	TMW27102018			X	X		X	X					
TMW28	low-flow	BESST	TMW28102018	X			X		X	X					
TMW29	well volume	bail	TMW29102018	X	X	X	X		X	X					
TMW31S	well volume	Grundfos	TMW31S102018	X	X	X	X	X	X	X			X		
TMW33	well volume	Grundfos	TMW33102018	X			X	X	X	X	X	X			
TMW34	low-flow	BESST	TMW34102018	X		X	X		X	X	X	X			
Duplicate ^b	low-flow	BESST	TMW34102018FD	X		X	X		X	X	X	X			
TMW35	low-flow	BESST	TMW35102018	X		X	X	X	X	X	X	X	X		
TMW39S	well volume	Grundfos	TMW39S102018	X	X	X	X	X	X	X			X		
TMW40S	well volume	bail	TMW40S102018	X	X	X	X	X	X	X			X		
TMW41	well volume	Grundfos	TMW41102018	X	X	X	X	X	X	X			X		
TMW43	low-flow	BESST	TMW43102018	X	X	X	X	X	X	X			X		
Duplicate ^b	low-flow	BESST	TMW43102018FD	X	X	X	X	X	X	X			X		
Matrix Spike ^a	low-flow	BESST	TMW43102018MS	X	X	X	X	X	X	X			X		
Matrix Spike ^a	low-flow	BESST	TMW43102018MSD	X	X	X	X	X	X	X			X		
TMW44	well volume	Grundfos	TMW44102018	X	X	X	X	X	X	X			X		
TMW45	low-flow	BESST	TMW45102018	X	X	X	X	X	X	X			X		
TMW46	well volume	Grundfos	TMW46102018	X	X	X	X	X	X	X			X		
TMW47	low-flow	BESST	TMW47102018	X	X	X	X	X	X	X			X		
Northern Bedrock Groundwater Zone															
BGMW07	well volume	Reclaimer	BGMW07102018	X	X	X	X	X	X	X			X	X	X
BGMW08	well volume	bail	BGMW08102018	X	X	X	X	X	X	X			X	X	X
BGMW09	well volume	Reclaimer	BGMW09102018	X	X	X	X	X	X	X			X	X	X
Duplicate ^b	well volume	Reclaimer	BGMW09102018FD	X	X	X	X	X	X	X			X	X	X
BGMW10	well volume	Reclaimer	BGMW10102018	X	X	X	X	X	X	X			X	X	X
TMW02	low-flow	BESST	TMW02102018	X	X	X	X		X	X					
TMW14A	low-flow	BESST	TMW14A102018	X	X		X	X	X	X					

Table 2-2: October 2018 Groundwater Sample Matrix

Well Name	Purge Method	Pump Type	Sample ID	Nitrate/ Nitrite Method 9056A	Explosives Method 8330B	Perchlorate ^c Method 6860	TCL VOCs Method 8260C	TCL SVOCs Method 8270D	TAL Dissolved Metals ^c Methods 6010C/6020A / 7470A	TAL Total Metals Methods 6010C/6020 A/7470A	TPH DRO Method 8015C	TPH GRO Method 8015C	TCL Pesticides Method 8081A	PCB Method 8082A	Herbicides Method 8151A
TMW16	well volume	Bennett	TMW16102018		X	X	X	X	X	X					
TMW17	low-flow	BESST	TMW17102018	X		X	X		X	X					
TMW18	well volume	Bennett	TMW18102018	X	X	X	X	X	X	X					
TMW19	well volume	Bennett	TMW19102018		X	X	X	X	X	X					
TMW30	well volume	Grundfos	TMW30102018	X	X	X	X	X	X	X			X		
TMW31D	low-flow	BESST	TMW31D102018	X	X	X	X	X	X	X			X		
Duplicate ^b	low-flow	BESST	TMW31D102018FD	X	X	X	X	X	X	X			X		
TMW32	low-flow	BESST	TMW32102018	X	X	X	X	X	X	X			X		
TMW36	well volume	Bennett	TMW36102018	X	X	X	X	X	X	X			X		
TMW37	well volume	Bennett	TMW37102018	X	X	X	X	X	X	X			X		
TMW38	well volume	Grundfos*	TMW38102018	X	X	X	X	X	X	X			X		
TMW39D	low-flow	BESST	TMW39D102018	X	X	X	X	X	X	X			X		
TMW40D	low-flow	BESST	TMW40D102018	X	X	X	X	X	X	X			X		
TMW48	low-flow	BESST	TMW48102018	X	X	X	X	X	X	X			X		
TMW49	low-flow	BESST	TMW49102018	X	X	X	X	X	X	X			X		

Notes:

Monitoring well MW18S is a dry well nested with MW18D. MW18S has not produced any groundwater since it was installed; thus, MW18S is not listed in the groundwater monitoring sample matrix.

^a Matrix spike and matrix spike duplicate samples are quality control samples and associated with the normal sample from the previous line.

^b Duplicate samples are quality control samples that are collected to verify the consistency of the laboratory analysis.

^c Samples for dissolved metals were field filtered with disposable 0.45 µm cartridge filters. Samples for perchlorate analysis were field filtered with disposable syringes and 0.20 µm filters.

Trip blank samples were collected daily and equipment blanks were collected twice a week (not shown above).

* The dedicated BESST pumps in wells TMW11, TMW25, and TMW38 were not utilized during this sampling event due to biofouling or pump malfunction. They were purged with a Grundfos pump and sampled with a disposable bailer in October 2018.

**Explosives Method 8330B was temporarily added to the matrix for the October 2018 sampling event.

Acronyms and Abbreviations:

PCB = polychlorinated byphenyl

SVOC = semivolatile organic compound

TAL = target analyte list

TCL = target compound list

TPH DRO = total petroleum hydrocarbons detected as diesel range organics

TPH GRO = total petroleum hydrocarbons detected as gasoline range organics

VOC = volatile organic compound

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Table 3-1: Selected Groundwater Screening Values

Method	Analyte	CAS	Units	NM WQCC GW ¹	EPA MCL ²	EPA Tap Water RSL (carcinogens) ³	EPA Tap Water RSL (non- carcinogens) ⁴	Final Selected GSV ⁵	Final Selected GSV Reference	Risk Endpoint c/nc
6010C	Aluminum	7429-90-5	µg/L	5000			20000	5000	WQCC	
6010C	Calcium ⁶	7440-70-2	µg/L					NA		
6010C	Iron	7439-89-6	µg/L	1000			14000	1000	WQCC	
6010C	Magnesium ⁶	7439-95-4	µg/L					NA		
6010C	Potassium ⁶	7440-09-7	µg/L					NA		
6010C	Sodium ⁶	7440-23-5	µg/L					NA		
6020A	Antimony	7440-36-0	µg/L	6	6		7.8	6	WQCC	
6020A	Arsenic	7440-38-2	µg/L	10	10	0.52	6	10	WQCC	
6020A	Barium	7440-39-3	µg/L	2000	2000		3800	2,000	WQCC	
6020A	Beryllium	7440-41-7	µg/L	4	4		25	4	WQCC	
6020A	Cadmium	7440-43-9	µg/L	5				5	WQCC	
6020A	Chromium	7440-47-3	µg/L	50	100			50	WQCC	
6020A	Cobalt	7440-48-4	µg/L	50			6	50	WQCC	
6020A	Copper	7440-50-8	µg/L	1000	1300		800	1,000	WQCC	
6020A	Lead	7439-92-1	µg/L	15	15		15	15	WQCC	
6020A	Manganese	7439-96-5	µg/L	200				200	WQCC	
6020A	Nickel	7440-02-0	µg/L	200			390	200	WQCC	
6020A	Selenium	7782-49-2	µg/L	50	50		100	50	WQCC	
6020A	Silver	7440-22-4	µg/L	50			94	50	WQCC	
6020A	Thallium	7440-28-0	µg/L	2	2		0.2	2	WQCC	
6020A	Vanadium	7440-62-2	µg/L				86	86	RSL	nc
6020A	Zinc	7440-66-6	µg/L	10000			6000	10000	WQCC	
6860	Perchlorate	14797-73-0	µg/L		15		14	15	MCL	
7470A	Mercury	7439-97-6	µg/L	2	2		0.63	2	WQCC	
8015C	Diesel Range Organics (DRO) [C10-C28]	STL00143	µg/L					NS		
8015C	o-Terphenyl ⁷	84-15-1	%					NA		
8015C	Gasoline Range Organics (GRO) [C6-C10]	8006-61-9	µg/L					NS		

Table 3-1: Selected Groundwater Screening Values

Method	Analyte	CAS	Units	NM WQCC GW ¹	EPA MCL ²	EPA Tap Water RSL (carcinogens) ³	EPA Tap Water RSL (non-carcinogens) ⁴	Final Selected GSV ⁵	Final Selected GSV Reference	Risk Endpoint c/nc
8015C	a,a,a-Trifluorotoluene ⁷	98-08-8	%					NA		
8081A	4,4'-DDD	72-54-8	µg/L			0.32	0.063	0.063	RSL	nc
8081A	4,4'-DDE	72-55-9	µg/L			0.46	6	0.46	RSL	c
8081A	4,4'-DDT	50-29-3	µg/L			2.3	10	2.3	RSL	c
8081A	Aldrin	309-00-2	µg/L			0.0092	0.6	0.0092	RSL	c
8081A	alpha-BHC	319-84-6	µg/L			0.072	97	0.072	RSL	c
8081A	alpha-Chlordane (surrogate Chlordane)	5103-71-9	µg/L		2	0.2	0.74	2	MCL	
8081A	beta-BHC	319-85-7	µg/L			0.25		0.25	RSL	c
8081A	delta-BHC (surrogate beta-BHC)	319-86-8	µg/L			0.25		0.25	RSL	c
8081A	Dieldrin	60-57-1	µg/L			0.018	0.38	0.018	RSL	c
8081A	Endosulfan I (surrogate Endosulfan)	959-98-8	µg/L				100	100	RSL	nc
8081A	Endosulfan II (surrogate Endosulfan)	33213-65-9	µg/L				100	100	RSL	nc
8081A	Endosulfan sulfate (surrogate Endosulfan)	1031-07-8	µg/L				100	100	RSL	nc
8081A	Endrin	72-20-8	µg/L		2		2.3	2	MCL	
8081A	Endrin aldehyde (surrogate Endrin)	7421-93-4	µg/L		2		2.3	2	MCL	
8081A	Endrin ketone (surrogate Endrin)	53494-70-5	µg/L		2		2.3	2	MCL	
8081A	gamma-BHC (Lindane)	58-89-9	µg/L		0.2	0.42	3.6	0.2	MCL	
8081A	gamma-Chlordane (surrogate Chlordane)	5103-74-2	µg/L		2	0.2	0.74	2	MCL	
8081A	Heptachlor	76-44-8	µg/L		0.4	0.014	1.3	0.4	MCL	
8081A	Heptachlor epoxide	1024-57-3	µg/L		0.2	0.014	0.12	0.2	MCL	
8081A	Methoxychlor	72-43-5	µg/L		40		37	40	MCL	
8081A	Toxaphene	8001-35-2	µg/L		3	0.71	1.8	3	MCL	

Table 3-1: Selected Groundwater Screening Values

Method	Analyte	CAS	Units	NM WQCC GW ¹	EPA MCL ²	EPA Tap Water RSL (carcinogens) ³	EPA Tap Water RSL (non- carcinogens) ⁴	Final Selected GSV ⁵	Final Selected GSV Reference	Risk Endpoint c/nc
8081A	DCB Decachlorobiphenyl ⁷	2051-24-3	µg/L					NA		
8081A	Tetrachloro-m-xylene ⁷	877-09-8	µg/L					NA		
8082A	PCB-1016	12674-11-2	µg/L	0.5		2.2	1.4	0.5	WQCC	
8082A	PCB-1221	11104-28-2	µg/L	0.5		0.047		0.5	WQCC	
8082A	PCB-1232	11141-16-5	µg/L	0.5		0.047		0.5	WQCC	
8082A	PCB-1242	53469-21-9	µg/L	0.5		0.078		0.5	WQCC	
8082A	PCB-1248	12672-29-6	µg/L	0.5		0.078		0.5	WQCC	
8082A	PCB-1254	11097-69-1	µg/L	0.5		0.078	0.4	0.5	WQCC	
8082A	PCB-1260	11096-82-5	µg/L	0.5		0.078		0.5	WQCC	
8151A	2,2-dichloropropionic acid (Dalapon)	75-99-0	µg/L		200		600	200	MCL	
8151A	2,4,5- Trichlorophenoxyacetic Acid	93-76-5	µg/L				160	160	RSL	nc
8151A	2,4,5- Trichlorophenoxypropionic acid (silvex)	93-72-1	µg/L		50		110	50	MCL	
8151A	2,4-Dichlorophenoxy Acetic Acid	94-75-7	µg/L		70		170	70	MCL	
8151A	2,4-Dichlorophenoxy Butanoic acid	94-82-6	µg/L				450	450	RSL	nc
8151A	Dicamba	1918-00-9	µg/L				570	570	RSL	nc
8151A	Dichloroprop	120-36-5	µg/L					NS		
8151A	Dinoseb	88-85-7	µg/L		7		15	7	MCL	
8151A	MCPA (2-methyl-4- chlorophenoxyacetic acid)	94-74-6	µg/L				7.5	7.5	RSL	nc
8151A	MCPP	93-65-2	µg/L				16	16	RSL	nc
8260C	1,1,1,2-Tetrachloroethane	630-20-6	µg/L			5.7	480	5.7	RSL	c

Table 3-1: Selected Groundwater Screening Values

Method	Analyte	CAS	Units	NM WQCC GW ¹	EPA MCL ²	EPA Tap Water RSL (carcinogens) ³	EPA Tap Water RSL (non-carcinogens) ⁴	Final Selected GSV ⁵	Final Selected GSV Reference	Risk Endpoint c/nc
8260C	1,1,1-Trichloroethane	71-55-6	µg/L	200	200		8000	200	WQCC	
8260C	1,1,2,2-Tetrachloroethane	79-34-5	µg/L	10		0.76	360	10	WQCC	
8260C	1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	µg/L				10000	10000	RSL	nc
8260C	1,1,2-Trichloroethane	79-00-5	µg/L	5	5	2.8	0.41	5	WQCC	
8260C	1,1-Dichloroethane	75-34-3	µg/L	25		28	3800	25	WQCC	
8260C	1,1-Dichloroethene	75-35-4	µg/L	7	7		280	7	WQCC	
8260C	1,1-Dichloropropene (surrogate dichloropropene, 1,3-)	563-58-6	µg/L			4.7	39	4.7	RSL	c
8260C	1,2,3-Trichlorobenzene	87-61-6	µg/L				7	7	RSL	nc
8260C	1,2,3-Trichloropropane	96-18-4	µg/L			0.0075	0.62	0.0075	RSL	c
8260C	1,2,4-Trichlorobenzene	120-82-1	µg/L	70	70	12	4	70	WQCC	
8260C	1,2,4-Trimethylbenzene	95-63-6	µg/L				56	56	RSL	nc
8260C	1,2-Dibromo-3-Chloropropane	96-12-8	µg/L		0.2	0.0033	0.37	0.2	MCL	
8260C	1,2-Dibromoethane	106-93-4	µg/L	0.05	0.05	0.075	17	0.05	WQCC	
8260C	1,2-Dichlorobenzene	95-50-1	µg/L	600	600		300	600	WQCC	
8260C	1,2-Dichloroethane	107-06-2	µg/L	5	5	1.7	13	5	WQCC	
8260C	1,3,5-Trimethylbenzene	108-67-8	µg/L				60	60	RSL	nc
8260C	1,3-Dichlorobenzene (surrogate dichlorobenzene, 1,4-)	541-73-1	µg/L	75	75	4.8	570	75	WQCC	
8260C	1,3-Dichloropropane	142-28-9	µg/L				370	370	RSL	nc
8260C	1,4-Dichlorobenzene	106-46-7	µg/L	75	75	4.8	570	75	WQCC	
8260C	2,2-Dichloropropane (surrogate dichloropropane, 1,2-)	594-20-7	µg/L	5	5	8.5	8.2	5	WQCC	
8260C	2-Butanone (MEK)	78-93-3	µg/L				5600	5600	RSL	nc
8260C	2-Chlorotoluene	95-49-8	µg/L				240	240	RSL	nc

Table 3-1: Selected Groundwater Screening Values

Method	Analyte	CAS	Units	NM WQCC GW ¹	EPA MCL ²	EPA Tap Water RSL (carcinogens) ³	EPA Tap Water RSL (non- carcinogens) ⁴	Final Selected GSV ⁵	Final Selected GSV Reference	Risk Endpoint c/nc
8260C	2-Hexanone	591-78-6	µg/L				38	38	RSL	nc
8260C	4-Chlorotoluene	106-43-4	µg/L				250	250	RSL	nc
8260C	4-Methyl-2-pentanone (MIBK)	108-10-1	µg/L				6300	6300	RSL	nc
8260C	Acetone	67-64-1	µg/L				14000	14000	RSL	nc
8260C	Benzene	71-43-2	µg/L	5	5	4.6	33	5	WQCC	
8260C	Bromobenzene	108-86-1	µg/L				62	62	RSL	nc
8260C	Bromochloromethane	74-97-5	µg/L				83	83	RSL	nc
8260C	Bromodichloromethane	75-27-4	µg/L		80	1.3	380	80	MCL	
8260C	Bromoform	75-25-2	µg/L		80	33	380	80	MCL	
8260C	Bromomethane	74-83-9	µg/L				7.5	7.5	RSL	nc
8260C	Carbon disulfide	75-15-0	µg/L				810	810	RSL	nc
8260C	Carbon tetrachloride	56-23-5	µg/L	5	5	4.6	49	5	WQCC	
8260C	Chlorobenzene	108-90-7	µg/L		100		78	100	MCL	
8260C	Chloroethane	75-00-3	µg/L				21000	21000	RSL	nc
8260C	Chloroform	67-66-3	µg/L	100	80.0(F)	2.2	97	80	MCL	
8260C	Chloromethane	74-87-3	µg/L				190	190	RSL	nc
8260C	cis-1,2-Dichloroethene	156-59-2	µg/L	70	70		36	70	WQCC	
8260C	cis-1,3-Dichloropropene (surrogate dichloropropene, 1,3-)	10061-01-5	µg/L			4.7	39	4.7	RSL	c
8260C	Dibromochloromethane	124-48-1	µg/L		80	8.7	380	80	MCL	
8260C	Dibromomethane	74-95-3	µg/L				8.3	8.3	RSL	nc
8260C	Dichlorodifluoromethane	75-71-8	µg/L				200	200	RSL	nc
8260C	Ethylbenzene	100-41-4	µg/L	700	700	15	810	700	WQCC	
8260C	Hexachlorobutadiene	87-68-3	µg/L			1.4	6.5	1.4	RSL	c
8260C	Isopropylbenzene	98-82-8	µg/L				450	450	RSL	nc
8260C	Methyl acetate	79-20-9	µg/L				20000	20000	RSL	nc
8260C	Methyl tert-butyl ether	1634-04-4	µg/L	100		140	6300	100	WQCC	

Table 3-1: Selected Groundwater Screening Values

Method	Analyte	CAS	Units	NM WQCC GW ¹	EPA MCL ²	EPA Tap Water RSL (carcinogens) ³	EPA Tap Water RSL (non- carcinogens) ⁴	Final Selected GSV ⁵	Final Selected GSV Reference	Risk Endpoint c/nc
8260C	Methylcyclohexane (surrogate cyclohexane)	108-87-2	µg/L				13000	13000	RSL	nc
8260C	Methylene Chloride	75-09-2	µg/L	5	5	110	110	5	WQCC	
8260C	m-Xylene & p-Xylene (surrogate o-xylene)	179601-23-1	µg/L				190	190	RSL	nc
8260C	Naphthalene	91-20-3	µg/L	30		1.7	6.1	30	WQCC	
8260C	n-Butylbenzene	104-51-8	µg/L				1000	1000	RSL	nc
8260C	N-Propylbenzene	103-65-1	µg/L				660	660	RSL	nc
8260C	o-Xylene	95-47-6	µg/L				190	190	RSL	nc
8260C	p-Isopropyltoluene (surrogate cumene)	99-87-6	µg/L				450	450	RSL	nc
8260C	sec-Butylbenzene	135-98-8	µg/L				2000	2000	RSL	nc
8260C	Styrene	100-42-5	µg/L	100	100		1200	100	WQCC	
8260C	tert-Butylbenzene	98-06-6	µg/L				690	690	RSL	nc
8260C	Toluene	108-88-3	µg/L	1000	1000		1100	1000	WQCC	
8260C	trans-1,2-Dichloroethene	156-60-5	µg/L	100	100		360	100	WQCC	
8260C	trans-1,3-Dichloropropene (surrogate dichloropropene, 1,3-)	10061-02-6	µg/L			4.7	39	4.7	RSL	c
8260C	Trichloroethene	79-01-6	µg/L	5	5	4.9	2.8	5	WQCC	
8260C	Trichlorofluoromethane	75-69-4	µg/L				5200	5200	RSL	nc
8260C	Vinyl chloride	75-01-4	µg/L	2	2	0.19	44	2	WQCC	
8260C	1,2-Dichloroethane-d4 ⁷	17060-07-0	%					NA		
8260C	Toluene-d8 ⁷	2037-26-5	%					NA		
8260C	Dibromofluoromethane ⁷	1868-53-7	%					NA		
8260C	4-Bromofluorobenzene (Surrogate)	460-00-4	%					NA		
8270D	1,2,4,5-Tetrachlorobenzene	95-94-3	µg/L				1.7	1.7	RSL	nc

Table 3-1: Selected Groundwater Screening Values

Method	Analyte	CAS	Units	NM WQCC GW ¹	EPA MCL ²	EPA Tap Water RSL (carcinogens) ³	EPA Tap Water RSL (non- carcinogens) ⁴	Final Selected GSV ⁵	Final Selected GSV Reference	Risk Endpoint c/nc
8270D	1,2,4-Trichlorobenzene	120-82-1	µg/L	70	70	12	4	70	WQCC	
8270D	1,2-Dichlorobenzene	95-50-1	µg/L	600	600		300	600	WQCC	
8270D	1,2-Diphenylhydrazine	122-66-7	µg/L			0.78		0.78	RSL	c
8270D	1,3-Dichlorobenzene (surrogate dichlorobenzene, 1,4-)	541-73-1	µg/L	75	75	4.8	570	75	WQCC	
8270D	1,4-Dichlorobenzene	106-46-7	µg/L	75	75	4.8	570	75	WQCC	
8270D	2,2'-oxybis[1- chloropropane]	108-60-1	µg/L				710	710	RSL	nc
8270D	2,3,4,6-Tetrachlorophenol	58-90-2	µg/L				240	240	RSL	nc
8270D	2,4,5-Trichlorophenol	95-95-4	µg/L				1200	1200	RSL	nc
8270D	2,4,6-Trichlorophenol	88-06-2	µg/L			41	12	12	RSL	nc
8270D	2,4-Dichlorophenol	120-83-2	µg/L				46	46	RSL	nc
8270D	2,4-Dimethylphenol	105-67-9	µg/L				360	360	RSL	nc
8270D	2,4-Dinitrophenol	51-28-5	µg/L				39	39	RSL	nc
8270D	2,4-Dinitrotoluene	121-14-2	µg/L			2.4	38	2.4	RSL	c
8270D	2,6-Dichlorophenol (surrogate dichlorophenol, 2,4-)	87-65-0	µg/L				46	46	RSL	nc
8270D	2,6-Dinitrotoluene	606-20-2	µg/L			0.49	5.7	0.49	RSL	c
8270D	2-Chloronaphthalene	91-58-7	µg/L				750	750	RSL	nc
8270D	2-Chlorophenol	95-57-8	µg/L				91	91	RSL	nc
8270D	2-Methylnaphthalene	91-57-6	µg/L	30			36	30	WQCC	
8270D	2-Methylphenol	95-48-7	µg/L				930	930	RSL	nc
8270D	2-Nitroaniline	88-74-4	µg/L				190	190	RSL	nc
8270D	2-Nitrophenol (surrogate chlorophenol, 2-)	88-75-5	µg/L				91	91	RSL	nc
8270D	3 & 4 Methylphenol (surrogate o-cresol)	15831-10-4	µg/L				930	930	RSL	nc
8270D	3,3'-Dichlorobenzidine	91-94-1	µg/L			1.3		1.3	RSL	c

Table 3-1: Selected Groundwater Screening Values

Method	Analyte	CAS	Units	NM WQCC GW ¹	EPA MCL ²	EPA Tap Water RSL (carcinogens) ³	EPA Tap Water RSL (non- carcinogens) ⁴	Final Selected GSV ⁵	Final Selected GSV Reference	Risk Endpoint c/nc
8270D	3-Nitroaniline (surrogate nitroaniline, 4-)	99-09-2	µg/L			38	78	38	RSL	c
8270D	4,6-Dinitro-2-methylphenol	534-52-1	µg/L				1.5	1.5	RSL	nc
8270D	4-Bromophenyl phenyl ether	101-55-3	µg/L					NS		
8270D	4-Chloro-3-methylphenol	59-50-7	µg/L				1400	1400	RSL	nc
8270D	4-Chloroaniline	106-47-8	µg/L			3.7	76	3.7	RSL	c
8270D	4-Chlorophenyl phenyl ether	7005-72-3	µg/L					NS		
8270D	4-Nitroaniline	100-01-6	µg/L			38	78	38	RSL	c
8270D	4-Nitrophenol (surrogate chlorophenol, 2-)	100-02-7	µg/L				91	91	RSL	nc
8270D	Acenaphthene	83-32-9	µg/L				530	530	RSL	nc
8270D	Acenaphthylene	208-96-8	µg/L					NS		
8270D	Acetophenone	98-86-2	µg/L				1900	1900	RSL	nc
8270D	Anthracene	120-12-7	µg/L				1800	1800	RSL	nc
8270D	Benzaldehyde	100-52-7	µg/L			190	1900	190	RSL	c
8270D	Benzidine	92-87-5	µg/L			0.0011	59	0.0011	RSL	c
8270D	Benzo[a]anthracene	56-55-3	µg/L			0.3		0.3	RSL	c
8270D	Benzo[a]pyrene	50-32-8	µg/L	0.2	0.2	0.25	6	0.2	WQCC	
8270D	Benzo[b]fluoranthene	205-99-2	µg/L			2.5		2.5	RSL	c
8270D	Benzo[g,h,i]perylene	191-24-2	µg/L					NS		
8270D	Benzo[k]fluoranthene	207-08-9	µg/L			25		25	RSL	c
8270D	Benzoic acid	65-85-0	µg/L				75000	75000	RSL	nc
8270D	Benzyl alcohol	100-51-6	µg/L				2000	2000	RSL	nc
8270D	Bis(2-chloroethoxy)methane	111-91-1	µg/L				59	59	RSL	nc
8270D	Bis(2-chloroethyl)ether	111-44-4	µg/L			0.14		0.14	RSL	c

Table 3-1: Selected Groundwater Screening Values

Method	Analyte	CAS	Units	NM WQCC GW ¹	EPA MCL ²	EPA Tap Water RSL (carcinogens) ³	EPA Tap Water RSL (non- carcinogens) ⁴	Final Selected GSV ⁵	Final Selected GSV Reference	Risk Endpoint c/nc
8270D	Bis(2-ethylhexyl) phthalate	117-81-7	µg/L		6	56	400	6	MCL	
8270D	Butyl benzyl phthalate	85-68-7	µg/L			160	1700	160	RSL	c
8270D	Caprolactam	105-60-2	µg/L				9900	9900	RSL	nc
8270D	Carbazole (surrogate fluorene)	86-74-8	µg/L				290	290	RSL	nc
8270D	Chrysene	218-01-9	µg/L			250		250	RSL	c
8270D	Dibenz(a,h)anthracene	53-70-3	µg/L			0.25		0.25	RSL	c
8270D	Dibenzofuran	132-64-9	µg/L				7.9	7.9	RSL	nc
8270D	Diethyl phthalate	84-66-2	µg/L				15000	15000	RSL	nc
8270D	Dimethyl phthalate (surrogate diethyl pthalate)	131-11-3	µg/L				15000	15000	RSL	nc
8270D	Di-n-butyl phthalate	84-74-2	µg/L				900	900	RSL	nc
8270D	Di-n-octyl phthalate	117-84-0	µg/L				200	200	RSL	nc
8270D	Fluoranthene	206-44-0	µg/L				800	800	RSL	nc
8270D	Fluorene	86-73-7	µg/L				290	290	RSL	nc
8270D	Hexachlorobenzene	118-74-1	µg/L		1	0.098	16	1	MCL	
8270D	Hexachlorobutadiene	87-68-3	µg/L			1.4	6.5	1.4	RSL	c
8270D	Hexachlorocyclopentadiene	77-47-4	µg/L		50		0.41	50	MCL	
8270D	Hexachloroethane	67-72-1	µg/L			3.3	6.2	3.3	RSL	c
8270D	Indeno[1,2,3-cd]pyrene	193-39-5	µg/L			2.5		2.5	RSL	c
8270D	Isophorone	78-59-1	µg/L			780	3800	780	RSL	c
8270D	Naphthalene	91-20-3	µg/L	30		1.7	6.1	30	WQCC	
8270D	Nitrobenzene	98-95-3	µg/L			1.4	13	1.4	RSL	c
8270D	N-Nitrosodimethylamine	62-75-9	µg/L			0.0011	0.055	0.0011	RSL	c
8270D	N-Nitrosodi-n-propylamine	621-64-7	µg/L			0.11		0.11	RSL	c
8270D	N-Nitrosodiphenylamine	86-30-6	µg/L			120		120	RSL	c

Table 3-1: Selected Groundwater Screening Values

Method	Analyte	CAS	Units	NM WQCC GW ¹	EPA MCL ²	EPA Tap Water RSL (carcinogens) ³	EPA Tap Water RSL (non-carcinogens) ⁴	Final Selected GSV ⁵	Final Selected GSV Reference	Risk Endpoint c/nc
8270D	Pentachlorophenol	87-86-5	µg/L	1	1	0.41	23	1	WQCC	
8270D	Phenanthrene	85-01-8	µg/L					NS		
8270D	Phenol	108-95-2	µg/L	5			5800	5	WQCC	
8270D	Pyrene	129-00-0	µg/L				120	120	RSL	nc
8270D	2,4,6-Tribromophenol (Surrogate)	118-79-6	%					NA		
8270D	2-Fluorobiphenyl ⁷	321-60-8	%					NA		
8270D	2-Fluorophenol ⁷	367-12-4	%					NA		
8270D	Nitrobenzene-d5 ⁷	4165-60-0	%					NA		
8270D	Terphenyl-d14 ⁷	1718-51-0	%					NA		
8330B	1,3,5-Trinitrobenzene	99-35-4	µg/L				590	590	RSL	nc
8330B	1,3-Dinitrobenzene	99-65-0	µg/L				2	2	RSL	nc
8330B	2,4,6-Trinitrotoluene	118-96-7	µg/L			25	9.8	9.8	RSL	nc
8330B	2,4-Dinitrotoluene	121-14-2	µg/L			2.4	38	2.4	RSL	c
8330B	2,6-Dinitrotoluene	606-20-2	µg/L			0.49	5.7	0.49	RSL	c
8330B	2-Amino-4,6-dinitrotoluene	35572-78-2	µg/L				39	39	RSL	nc
8330B	3,5-Dinitroaniline (surrogate nitroaniline, 4-)	618-87-1	µg/L			38	78	38	RSL	c
8330B	4-Amino-2,6-dinitrotoluene	19406-51-0	µg/L				39	39	RSL	nc
8330B	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	2691-41-0	µg/L				1000	1000	RSL	nc
8330B	m-Nitrotoluene	99-08-1	µg/L				1.7	1.7	RSL	nc
8330B	Nitrobenzene	98-95-3	µg/L			1.4	13	1.4	RSL	c
8330B	Nitroglycerin	55-63-0	µg/L			45	2	2	RSL	nc
8330B	o-Nitrotoluene	88-72-2	µg/L			3.1	16	3.1	RSL	c

Table 3-1: Selected Groundwater Screening Values

Method	Analyte	CAS	Units	NM WQCC GW ¹	EPA MCL ²	EPA Tap Water RSL (carcinogens) ³	EPA Tap Water RSL (non-carcinogens) ⁴	Final Selected GSV ⁵	Final Selected GSV Reference	Risk Endpoint c/nc
8330B	Pentaerythritol tetranitrate (PETN)	78-11-5	µg/L			190	39	39	RSL	nc
8330B	p-Nitrotoluene	99-99-0	µg/L			43	71	43	RSL	c
8330B	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	µg/L			9.7	80	9.7	RSL	c
8330B	Trinitrophenylmethylnitramine (Tetryl)	479-45-8	µg/L				39	39	RSL	nc
8330B	1,2-Dinitrobenzene (Surrogate)	528-29-0	%					NA		
9056A	Nitrate as N	14797-55-8	mg/L	10	10		32	10	WQCC	
9056A	Nitrite as N	14797-65-0	mg/L		1		2	1	MCL	

Notes:

¹ FWDA screening value by NM WQCC standards per NMAC 20.6.2.3103.

² FWDA screening value by EPA drinking water primary MCL per 40 CFR Part 141 and Part 143.

³ Interim screening value for FWDA by EPA RSL tap water carcinogenic risk endpoint with cancer risk adjusted to 1×10^{-5} , updated May 2019.

⁴ Interim screening value for FWDA by EPA RSL tap water non-carcinogenic risk endpoint with hazard quotient of 1.0, updated May 2019.

⁵ Final selected GSV was based on the lowest of the NM WQCC and the EPA Region 6 MCL. If none then EPA RSL tap water was selected.

⁶ Analyte is considered an essential nutrient and risk in groundwater will not be evaluated.

⁷ Analyte is a laboratory surrogate used in analytical procedures, and risk in groundwater will not be evaluated.

Table 3-1: Selected Groundwater Screening Values

Acronyms and Abbreviations:

µg/L = microgram per liter

c = carcinogenic

CAS = Chemical Abstracts Service registry number

CFR = Code of Federal Regulations

EPA = U.S. Environmental Protection Agency

FWDA = Fort Wingate Depot Activity

GW = groundwater

GSV = groundwater screening value

MCL = maximum contaminant level (primary or secondary)

mg/L = milligram per liter

NA = not applicable (essential nutrients and laboratory surrogates used in analytical procedures)

nc = non-carcinogenic

NM = New Mexico

NMAC = New Mexico Administrative Code

NS = no standard

RSL = regional screening level

WQCC = Water Quality Control Commission

Table 4-1: Northern Area Groundwater Elevations (Wells Screened in Alluvial Sediments)

Well Name	TOC Elevation ^a	Total Depth ^b	Screen Interval ^b	April 2016	July 2016	October 2016	January 2017	April 2017	July 2017	October 2017	January 2018		April 2018		July 2018		October 2018	
				Elevation	Elevation	Elevation	Elevation	Elevation	Elevation	Elevation	DTW ^c	Elevation	DTW ^c	Elevation	DTW ^c	Elevation	DTW ^c	Elevation
BGMW01	6692.68	33.0	12.5-32.5	6673.33	6672.81	6672.69	6673.06	6673.20	6672.60	6672.46	20.00	6672.68	19.78	6672.90	20.44	6672.24	20.55	6672.13
BGMW02	6691.99	34.0	13.5-33.5	6670.64	6670.22	6669.83	6670.22	6670.57	6670.17	6669.68	22.03	6669.96	21.62	6670.37	22.40	6669.59	22.71	6669.28
BGMW03	6680.57	29.0	8.5-28.5	6664.08	6663.04	6662.69	6663.44	6663.84	6661.70	6662.60	17.08	6663.49	16.63	6663.94	18.00	6662.57	18.35	6662.22
FW31	6832.49	50.0	10.0-50.0	6789.84	6789.66	6789.57	NM	6789.66	6789.49	6789.45	43.10	6789.39	43.01	6789.48	43.09	6789.40	43.14	6789.35
FW35	6711.11	30.0	10.0-30.0	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
MW01	6685.94	55.0	33.6-53.6	6642.99	6642.95	6642.92	6642.75	6642.79	6642.66	6642.55	43.44	6642.50	43.40	6642.54	43.37	6642.57	43.42	6642.52
MW02	6685.22	48.0	37.0-47.0	6644.07	6644.07	6643.95	6643.80	6643.78	6643.66	6643.53	41.73	6643.49	41.76	6643.46	41.83	6643.39	41.79	6643.43
MW03	6689.53	53.0	43.0-53.0	6642.88	6642.90	6642.66	6642.86	6642.80	6642.61	6642.43	46.96	6642.57	46.99	6642.54	46.98	6642.55	46.84	6642.69
MW18D	6686.32	59.9	47.0-57.0	6642.44	6642.43	6642.28	6642.30	6642.25	6642.12	6641.89	44.32	6642.00	44.39	6641.93	44.44	6641.88	44.28	6642.04
MW18S	6686.61	39.0	27.0-37.0	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
MW20	6687.67	59.4	47.0-57.0	6642.06	6641.98	6641.85	6641.74	6641.85	6641.72	6641.51	46.15	6641.52	46.10	6641.57	46.26	6641.41	46.25	6641.42
MW22D	6684.55	58.6	47.0-57.0	6641.88	6641.81	6641.63	6641.62	6641.63	6641.49	6641.24	43.40	6641.15	43.19	6641.36	43.41	6641.14	43.55	6641.00
MW22S	6684.69	43.5	31.0-41.0	6642.08	6641.99	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
MW23	6654.50	134.0	63.5-133.5	6639.14	6639.46	6638.87	6639.13	6639.74	6639.50	6639.10	15.39	6639.11	15.51	6638.99	15.94	6638.56	16.02	6638.48
MW24	6657.08	66.5	16.0-66.0	6637.14	6637.30	6636.45	6637.24	6637.79	6637.27	6636.33	18.56	6638.52	19.97	6637.11	20.60	6636.48	20.92	6636.16
SMW01	6669.94	50.2	29.9-49.9	6638.53	6638.11	6637.83	6638.07	6637.14	6637.64	6637.24	32.37	6637.57	32.19	6637.75	32.78	6637.16	32.82	6637.12
TMW01	6711.84	60.0	44.0-59.0	6671.90	6671.68	6671.43	6671.50	6671.18	6670.99	6670.64	41.30	6670.54	41.41	6670.43	41.68	6670.16	41.78	6670.06
TMW03	6702.43	70.1	49.8-69.8	6645.03	6644.98	6644.93	6645.04	6644.87	6644.82	6644.74	57.75	6644.68	57.73	6644.70	57.82	6644.61	57.79	6644.64
TMW04	6700.86	70.5	50.0-70.0	6644.17	6644.20	6644.15	6643.37	6644.13	6644.06	6643.98	56.89	6643.97	56.89	6643.97	56.98	6643.88	56.78	6644.08
TMW06	6690.63	57.0	45.0-55.0	6643.11	6643.07	6643.12	6643.46	6643.05	6642.96	6642.85	47.71	6642.92	47.69	6642.94	47.76	6642.87	47.63	6643.00
TMW07	6690.47	76.0	65.0-75.0	6643.52	6643.32	6643.47	6643.28	6643.49	6642.61	6642.69	47.68	6642.79	47.14	6643.33	47.77	6642.70	47.10	6643.37
TMW08	6680.31	62.0	30.0-60.0	6642.93	6642.95	6642.74	6642.98	6642.73	6642.61	6642.34	37.74	6642.57	37.67	6642.64	37.89	6642.42	37.64	6642.67
TMW10	6680.04	65.0	28.0-58.0	6641.88	6641.76	6641.54	6641.67	6641.67	6641.48	6641.14	38.77	6641.27	38.68	6641.36	38.94	6641.10	38.92	6641.12
TMW11	6718.28	82.0	55.0-80.0	6650.06	6649.88	6649.89	6649.69	6649.32	6649.54	6649.31	69.05	6649.23	69.12	6649.16	69.26	6649.02	69.43	6648.85
TMW13	6707.49	72.5	60.7-70.7	6646.74	6646.67	6646.53	6646.60	6646.49	6646.47	6646.29	61.23	6646.26	61.25	6646.24	61.34	6646.15	61.41	6646.08
TMW15	6713.89	82.0	56.0-71.0	6648.47	6648.36	6648.19	6648.19	6648.15	6648.06	6647.74	66.07	6647.82	66.09	6647.80	66.26	6647.63	66.34	6647.55
TMW21	6695.14	72.0	48.0-58.0	6644.09	6644.10	6644.06	6643.95	6644.02	6643.96	6643.81	51.36	6643.78	51.33	6643.81	51.46	6643.68	51.43	6643.71
TMW22	6691.74	77.0	52.0-62.0	6642.91	6643.00	6643.25	6643.35	6642.98	6642.84	6642.69	48.81	6642.93	48.85	6642.89	48.93	6642.81	48.56	6643.18
TMW23	6687.66	72.0	46.0-56.0	6642.11	6642.16	6642.09	6642.56	6642.17	6642.02	6641.86	45.61	6642.05	46.55	6641.11	45.66	6642.00	45.40	6642.26
TMW24	6680.42	75.0	44.0-54.0	6642.37	6642.36	6642.20	6642.77	6642.43	6642.30	6642.08	38.09	6642.33	37.96	6642.46	38.19	6642.23	37.90	6642.52
TMW25	6672.88	74.0	42.5-52.5	6633.78	6633.83	6633.63	6633.84	6633.80	6633.67	6633.30	39.37	6633.51	39.26	6633.62	39.46	6633.42	39.32	6633.56
TMW26	6677.71	64.8	45.0-55.0	6650.41	6650.11	6649.60	NM	6649.98	6649.82	6649.53	28.07	6649.64	28.03	6649.68	27.99	6649.72	28.10	6649.61
TMW27	6668.13	102.2	60.0-70.0	6639.88	6639.50	6639.39	6639.64	6639.74	6639.60	6639.14	28.79	6639.34	28.64	6639.49	28.89	6639.24	29.08	6639.05
TMW28	6689.17	72.5	37.0-47.0	6669.82	6669.40	6668.86	6669.28	6670.53	6669.55	6668.77	20.19	6668.98	19.94	6669.23	20.65	6668.52	20.89	6668.28
TMW29	6702.88	69.0	49.0-59.0	6645.11	6645.10	6645.03	6645.12	6644.99	6644.92	6644.81	58.09	6644.79	58.13	6644.75	58.19	6644.69	58.20	6644.68

Table 4-1: Northern Area Groundwater Elevations (Wells Screened in Alluvial Sediments)

Well Name	TOC Elevation ^a	Total Depth ^b	Screen Interval ^b	April 2016	July 2016	October 2016	January 2017	April 2017	July 2017	October 2017	January 2018		April 2018		July 2018		October 2018	
				Elevation	Elevation	Elevation	Elevation	Elevation	Elevation	Elevation	DTW ^c	Elevation	DTW ^c	Elevation	DTW ^c	Elevation	DTW ^c	Elevation
TMW31S	6710.20	61.0	50.0-60.0	6671.09	6670.96	6670.60	6670.80	6670.38	6670.17	6669.81	40.40	6669.80	40.51	6669.69	40.76	6669.44	40.80	6669.40
TMW33	6686.60	60.4	37.0-57.0	6642.17	6642.15	6641.97	6642.03	6641.97	6641.81	6641.55	44.93	6641.67	44.97	6641.63	45.05	6641.55	44.92	6641.68
TMW34	6687.29	57.3	37.0-57.0	6641.15	6641.06	6640.92	6640.81	6640.91	6640.85	6640.93	46.34	6640.95	46.29	6641.00	46.46	6640.83	46.49	6640.80
TMW35	6686.52	55.0	35.0-55.0	6642.00	6641.95	6641.79	6641.72	6641.76	6641.66	6641.50	45.03	6641.49	45.01	6641.51	45.02	6641.50	45.12	6641.40
TMW39S	6708.61	53.0	32.5-52.5	6672.10	6671.91	6671.70	6671.72	6671.53	6671.36	6671.14	37.54	6671.07	37.52	6671.09	37.96	6670.65	38.03	6670.58
TMW40S	6706.40	60.5	50.0-60.0	6645.82	6645.83	Dry	Dry	6645.72	6645.70	6645.60	60.80	6645.60	60.83	6645.57	60.85	6645.55	60.86	6645.54
TMW41	6705.21	66.0	55.5-65.5	6663.47	6663.45	6663.21	6663.66	6663.19	6662.93	6662.74	42.43	6662.78	42.60	6662.61	42.81	6662.40	42.53	6662.68
TMW43	6698.63	78.5	58.0-78.0	6644.84	6644.84	6644.79	6644.96	6644.77	6644.71	6644.63	54.06	6644.57	54.05	6644.58	54.14	6644.49	54.11	6644.52
TMW44	6697.31	64.0	43.5-63.5	6644.28	6644.35	6644.29	6644.63	6644.27	6644.19	6644.04	53.17	6644.14	53.20	6644.11	53.28	6644.03	53.00	6644.31
TMW45	6689.00	59.0	38.5-58.5	6641.70	6641.65	6641.71	6642.12	6641.82	6641.79	6641.67	47.27	6641.73	47.16	6641.84	47.18	6641.82	47.08	6641.92
TMW46	6680.98	59.0	38.5-58.5	6636.74	6636.39	6636.41	6636.42	6636.64	6636.50	6636.01	44.86	6636.12	44.56	6636.42	44.99	6635.99	45.25	6635.73
TMW47	6701.88	103.0	82.5-102.5	6655.19	6655.04	6655.00	6655.09	6655.01	6654.80	6654.78	47.20	6654.68	47.32	6654.56	47.35	6654.53	47.30	6654.58
PZ01	6677.29	43.1	23.1-43.1	6650.05	6650.00	6649.69	6649.92	6649.68	6649.49	6649.26	28.02	6649.27	28.08	6649.21	28.17	6649.12	28.11	6649.18
PZ02	6674.95	50.7	30.3-50.3	6651.25	6651.25	6650.68	6651.11	6650.93	6650.74	6650.35	24.41	6650.54	24.43	6650.52	24.69	6650.26	24.66	6650.29
PZ03	6679.44	46.9	26.7-46.7	6653.00	6652.86	6652.42	6652.79	6652.81	6652.58	6652.84	26.75	6652.69	27.61	6651.83	26.74	6652.70	26.75	6652.69
PZ04	6676.68	47.0	26.8-46.8	6647.98	6647.98	6647.61	NM	6647.65	6647.43	6646.98	29.38	6647.30	31.04	6645.64	32.03	6644.65	32.80	6643.88
PZ05	6674.15	46.3	26.0-46.0	6653.45	6652.62	6652.09	6653.15	6653.18	6652.46	6651.66	21.54	6652.61	21.18	6652.97	22.23	6651.92	22.44	6651.71
PZ06	6676.04	46.7	26.5-46.5	6657.09	6655.29	6654.91	6656.61	6657.06	6654.90	6654.64	19.83	6656.21	19.29	6656.75	21.78	6654.26	21.71	6654.33
PZ07	6684.53	30.5	10.6-30.6	6668.82	6668.96	6668.54	6674.19	6672.70	6670.07	6668.32	16.87	6667.66	16.81	6667.72	17.61	6666.92	17.69	6666.84
PZ08	6686.81	46.6	26.3-46.3	6667.75	6667.78	6667.32	6667.03	6672.32	6668.80	6667.01	20.32	6666.49	20.17	6666.64	21.26	6665.55	21.28	6665.53
PZ09	6653.61	33.5	18.1-33.1	6638.26	6637.38	6636.79	6637.74	6638.35	6637.15	6636.40	16.44	6637.17	15.86	6637.75	17.18	6636.43	17.52	6636.09
PZ10	6657.27	46.3	31.0-46.0	6638.13	6637.17	6636.63	6637.60	6638.21	6636.93	6636.24	20.20	6637.07	19.66	6637.61	21.03	6636.24	21.35	6635.92

Notes:

^aElevations are recorded in U.S. feet above North American Vertical Datum of 1988 (NAVD88).

^bTotal depths and screen intervals are recorded in feet below ground surface.

^cDTW is recorded in feet below TOC.

Acronyms and Abbreviations:

DTW = depth to water

NM = not measured due to icy conditions

TOC = top of casing

Table 4-2: Northern Area Groundwater Elevations (Wells Screened in Bedrock)

Well Name	TOC Elevation ^a	Total Depth ^b	Screen Interval ^b	April 2016	July 2016	October 2016	January 2017	April 2017	October		January 2018		April 2018		July 2018		October 2018	
				Elevation	Elevation	Elevation	Elevation	Elevation	July 2017	Elevation	DTW ^c	Elevation	DTW ^c	Elevation	DTW ^c	Elevation	DTW ^c	Elevation
TMW02	6705.35	85.0	67.9-81.9	6649.31	6648.59	6649.17	6649.41	6649.19	6648.07	6648.96	56.36	6648.99	56.43	6648.92	56.28	6649.07	56.48	6648.87
TMW14A	6723.54	110.0	94.3-109.3	6658.34	6658.03	6658.04	6657.86	6657.55	6657.77	6657.59	66.31	6657.23	66.47	6657.07	66.68	6656.86	66.42	6657.12
TMW16	6714.15	142.0	123.0-138.0	6656.94	6656.76	6656.59	6656.73	6656.60	6656.40	6656.05	58.20	6655.95	58.25	6655.90	58.82	6655.33	58.35	6655.80
TMW17	6719.89	152.0	112.0-127.0	6655.99	6655.86	6655.75	6655.68	6655.70	6654.90	6654.89	65.13	6654.76	65.11	6654.78	65.12	6654.77	65.10	6654.79
TMW18	6713.49	220.0	150.0-160.0	6657.47	6657.29	6657.19	6657.20	6657.15	6657.11	6656.79	56.95	6656.54	57.15	6656.34	57.28	6656.21	57.11	6656.38
TMW19	6700.52	187.0	169.0-184.0	6656.79	6656.59	6656.49	6656.63	6656.62	6656.15	6656.04	44.55	6655.97	44.87	6655.65	45.22	6655.30	44.85	6655.67
TMW30	6714.59	51.5	35.0-45.0	6674.01	6674.05	6674.01	6674.03	6674.00	6674.07	6673.99	40.58	6674.01	40.62	6673.97	40.77	6673.82	40.71	6673.88
TMW31D	6710.44	111.5	77.0-107.0	6671.07	6670.87	6670.58	6670.10	6670.35	6670.24	6669.79	40.68	6669.76	40.78	6669.66	41.06	6669.38	41.15	6669.29
TMW32	6709.31	139.1	117.0-137.0	6667.96	6667.74	6667.52	6667.55	6667.30	6667.16	6667.17	42.50	6666.81	42.65	6666.66	42.99	6666.32	43.06	6666.25
TMW36	6699.04	157.0	132.0-152.0	6669.78	6669.45	6669.26	6669.27	6669.03	6668.81	6668.37	30.59	6668.45	30.92	6668.12	31.08	6667.96	31.43	6667.61
TMW37	6713.09	111.0	88.0-108.0	6665.97	6665.84	6665.58	6663.64	6665.40	6665.25	6664.84	48.36	6664.73	48.35	6664.74	48.86	6664.23	48.97	6664.12
TMW38	6706.79	159.5	118.9-158.9	6658.67	6658.51	6658.39	6658.55	6658.37	6658.16	6658.08	48.76	6658.03	48.79	6658.00	48.54	6658.25	49.69	6657.10
TMW39D	6708.61	100.5	70.0-100.0	6671.99	6671.78	6671.50	6671.59	6671.24	6671.11	6670.78	37.90	6670.71	38.03	6670.58	38.30	6670.31	38.39	6670.22
TMW40D	6706.15	155.5	135.0-155.0	6671.84	6671.65	6671.34	6671.41	6671.11	6670.96	6670.66	35.55	6670.60	35.75	6670.40	35.95	6670.20	36.10	6670.05
TMW48	6709.84	91.5	71.0-91.0	6672.03	6671.86	6671.53	6671.56	6671.26	6671.15	6670.87	39.11	6670.73	39.24	6670.60	39.50	6670.34	39.65	6670.19
TMW49	6714.71	60.5	40.0-60.0	6668.78	6668.57	6668.36	6668.36	6668.03	6667.93	6667.62	47.20	6667.51	47.33	6667.38	47.60	6667.11	47.60	6667.11
BGMW07	6691.63	256.0	215.0-255.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	36.01	6655.62	18.02	6673.61	17.57	6674.06
BGMW08	6685.02	186.0	165.0-185.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	179.36	6505.66	170.16	6514.86	168.64	6516.38
BGMW09	6692.27	173.0	106.0-136.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	115.19	6577.08	53.84	6638.43	47.24	6645.03
BGMW10	6701.49	147.0	106.0-136.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	30.49	6671.00	30.69	6670.80	30.79	6670.70

Notes:

^aElevations are recorded in U.S. feet above North American Vertical Datum of 1988 (NAVD88).

^bTotal depths and screen intervals are recorded in feet below ground surface.

^cDTW is recorded in feet below TOC.

Acronyms and Abbreviations:

DTW = depth to water

n/a = not applicable

TOC = top of casing

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Table 5-1: October 2018 Stable Groundwater Parameters

Well Name ^a	Screen Interval (ft bgs)	Purged Dry	Sample Date	Conductivity (mS/cm)	DO (mg/L)	ORP (mV)	Eh ^b (mV)	pH (SU)	Temp. (°C)	Turbidity (NTU)	Drawdown ^c (ft)
Northern Alluvial Groundwater Zone											
BGMW01	12.5 - 32.5	No	10/9/2018	3.727	0.31	34.3	234.3	7.70	12.5	5.36	0.08
BGMW02	13.5 - 33.5	No	10/11/2018	4.675	0.00 ^d	132.1	332.1	7.58	12.4	1.95	0.03
BGMW03	8.5 - 28.5	Yes	10/10/2018	1.532	5.17	127.6	327.6	7.76	14.4	19.80	NA
FW31	10.0 - 50.0	Yes	10/9/2018	2.025	6.08	173.0	373.0	8.39	11.7	120.95	NA
FW35	10.0 - 30.0	Dry	Well was dry and was not purged or sampled								
MW01	33.6 - 53.6	Yes	10/9/2018	3.490	4.93	228.9	428.9	7.50	12.8	16.59	NA
MW02	37.0 - 47.0	Yes	10/9/2018	2.350	4.76	238.7	438.7	6.93	12.8	14.85	NA
MW03	43.0 - 53.0	No	10/15/2018	4.200	0.00	14.4	214.4	7.50	12.9	6.08	0.05
MW18D	47.0 - 57.0	Yes	10/10/2018	8.423	6.08	101.9	301.9	7.62	15.4	80.51	NA
MW18S	27.0-37.0	Dry	Well was dry and was not purged or sampled								
MW20	47.0 - 57.0	No	10/15/2018	27.882	0.32	135.1	335.1	6.96	13.1	15.79	0.06
MW22D	47.0 - 57.0	No	10/12/2018	4.607	0.00	163.5	363.5	7.05	14.3	4.70	0.11
MW22S	31.0 - 41.0	Dry	Well was dry and was not purged or sampled								
MW23	63.5 - 133.5	No	10/17/2018	1.879	0.26	-53.9	146.1	7.80	12.4	33.55	NA
MW24	16.0 - 66.0	No	10/17/2018	1.277	0.00 ^d	-170.5	29.5	7.61	11.8	125.25	NA
SMW01	29.9 - 49.9	No	10/12/2018	3.864	0.23	-65.0	135.0	8.38	13.4	81.73	0.92
TMW01	44.0 - 59.0	No	10/15/2018	2.895	0.00	68.2	268.2	7.32	12.2	2.79	0.19
TMW03	49.8 - 69.8	No	10/12/2018	4.224	0.04	171.5	371.5	7.58	13.7	3.23	0.04
TMW04	50.0 - 70.0	No	10/16/2018	3.777	0.60	138.0	338.0	7.78	12.3	2.11	0.08
TMW06	45.0 - 55.0	No	10/12/2018	3.706	0.75	109.9	309.9	7.75	14.0	0.35	0.03
TMW07	65.0 - 75.0	Yes	10/10/2018	5.550	3.22	208.4	408.4	7.56	12.5	90.60	NA
TMW08	30.0 - 60.0	No	10/11/2018	16.376	0.31	84.0	284.0	7.29	14.1	2.36	0.00
TMW10	28.0 - 58.0	No	10/10/2018	6.718	0.22	70.3	270.3	7.60	12.7	37.06	0.16
TMW11	55.0 - 80.0	Yes	10/11/2018	2.427	6.77	253.9	453.9	7.77	13.4	3744.90	NA
TMW13	60.7 - 70.7	No	10/15/2018	5.350	0.11	-9.9	190.1	7.65	12.6	0.00 ^d	0.00
TMW15	56.0 - 71.0	No	10/16/2018	2.245	1.50	-48.0	152.0	7.65	11.6	2.39	0.02

Table 5-1: October 2018 Stable Groundwater Parameters

Well Name ^a	Screen Interval (ft bgs)	Purged Dry	Sample Date	Conductivity (mS/cm)	DO (mg/L)	ORP (mV)	Eh ^b (mV)	pH (SU)	Temp. (°C)	Turbidity (NTU)	Drawdown ^c (ft)
TMW21	48.0 - 58.0	Yes	10/9/2018	2.544	4.26	217.3	417.3	7.71	12.2	30.50	NA
TMW22	52.0 - 62.0	Yes	10/11/2018	3.411	5.75	219.5	419.5	7.69	11.4	99.64	NA
TMW23	46.0 - 56.0	Yes	10/11/2018	3.087	6.77	210.6	410.6	7.51	12.4	155.18	NA
TMW24	44.0 - 54.0	No	10/18/2018	9.329	0.71	-6.7	193.3	7.65	10.1	10.16	0.43
TMW25	42.5 - 52.5	Yes	10/16/2018	3.583	4.80	227.1	427.1	7.09	11.0	81.60	NA
TMW26	45.0 - 55.0	No	10/10/2018	3.523	0.53	3.1	203.1	7.92	12.3	24.31	0.03
TMW27	60.0 - 70.0	No	10/10/2018	1.521	0.00 ^d	-127.0	73.0	7.79	12.3	132.31	0.07
TMW28	37.0 - 47.0	No	10/9/2018	1.916	0.45	-90.7	109.3	7.45	12.2	0.00 ^d	0.13
TMW29	49.0 - 59.0	Yes	10/9/2018	2.400	3.04	219.0	419.0	7.68	13.0	87.71	NA
TMW31S	50.0 - 60.0	Yes	10/11/2018	2.889	7.52	237.5	437.5	7.51	13.0	28.91	NA
TMW33	37.0 - 57.0	Yes	10/10/2018	10.073	5.22	172.4	372.4	7.36	14.6	16.50	NA
TMW34	37.0 - 57.0	No	10/15/2018	11.084	0.63	92.3	292.3	7.15	13.7	30.44	0.02
TMW35	35.0 - 55.0	No	10/15/2018	4.731	0.00	51.0	251.0	7.24	13.9	2.03	0.18
TMW39S	32.5 - 52.5	Yes	10/11/2018	3.997	6.22	215.5	415.5	7.66	12.7	313.09	NA
TMW40S ^e	50.0 - 60.0	Yes	10/9/2018	4.380	5.07	205.1	405.1	7.95	12.5	339.62	NA
TMW41	55.5 - 65.5	Yes	10/11/2018	3.500	6.60	204.5	404.5	7.92	11.8	15.89	NA
TMW43	58.0 - 78.0	No	10/16/2018	2.459	0.96	190.5	390.5	7.52	11.4	0.00 ^d	0.00
TMW44	43.5 - 63.5	Yes	10/11/2018	3.149	5.68	226.4	426.4	7.78	12.0	164.15	NA
TMW45	38.5 - 58.5	No	10/17/2018	3.781	0.49	16.1	216.1	7.56	12.4	2.65	0.03
TMW46	38.5 - 58.5	Yes	10/10/2018	5.609	2.87	123.2	323.2	7.40	14.0	17.19	NA
TMW47	82.5 - 102.5	No	10/17/2018	5.199	0.44	-116.6	83.4	8.10	11.1	1.32	0.33
Northern Bedrock Groundwater Zone											
BGMW07	215.0-255.0	Yes ^e	10/12/2018	24.552	5.89	185.5	385.5	7.29	12.5	16.19	NA
BGMW08	165.0-185.0	Yes	10/9/2018	15.000	2.28	134.6	334.6	7.75	13.3	447.87	NA
BGMW09	106.0-136.0	Yes	10/10/2018	5.203	5.40	188.2	388.2	8.02	12.0	2970.84	NA
BGMW10	106.0-136.0	Yes	10/11/2018	2.360	2.67	158.3	358.3	8.36	12.0	2.31	NA
TMW02	67.9 - 81.9	No	10/16/2018	4.533	0.53	177.5	377.5	7.84	10.0	1.93	0.08
TMW14A	94.25 - 109.25	No	10/15/2018	4.287	1.11	-153.8	46.2	8.80	10.0	39.11	2.05

Table 5-1: October 2018 Stable Groundwater Parameters

Well Name ^a	Screen Interval (ft bgs)	Purged Dry	Sample Date	Conductivity (mS/cm)	DO (mg/L)	ORP (mV)	Eh ^b (mV)	pH (SU)	Temp. (°C)	Turbidity (NTU)	Drawdown ^c (ft)
TMW16	123.0 - 138.0	Yes	10/19/2018	4.260	7.87	-183.1	16.9	8.20	11.3	142.1	NA
TMW17	112.0 - 127.0	No	10/18/2018	1.934	0.61	-175.0	25.0	9.07	9.0	2.43	0.00
TMW18	150.0 - 160.0	Yes	10/18/2018	2.891	7.36	-100.7	99.3	8.46	11.3	23.55	NA
TMW19	169.0 - 184.0	Yes	10/18/2018	3.244	8.46	259.3	459.3	6.46	11.5	603.28	NA
TMW30	35.0 - 45.0	Yes	10/11/2018	2.264	7.99	267.4	467.4	7.64	12.2	11.17	NA
TMW31D	77.0 - 107.0	No	10/16/2018	2.853	0.82	20.1	220.1	7.64	12.1	8.16	0.02
TMW32	117.0 - 137.0	No	10/12/2018	3.211	0.09	-151.3	48.7	8.47	13.2	0.31	0.04
TMW36	132.0 - 152.0	Yes	10/18/2018	3.015	8.12	70.1	270.1	8.31	12.3	36.20	NA
TMW37	88.0 - 108.0	Yes	10/18/2018	3.450	2.14	-103.1	96.9	8.21	11.9	192.10	NA
TMW38	118.9 - 158.9	Yes	10/19/2018	2.551	4.55	166.6	366.6	8.07	11.8	22.78	NA
TMW39D	70.0 - 100.0	No	10/16/2018	4.209	0.14	-192.9	7.1	8.34	12.0	335.16	0.12
TMW40D	135.0 - 155.0	No	10/12/2018	3.098	0.19	-137.4	62.6	8.37	11.8	1.00	0.00
TMW48	71.0 - 91.0	No	10/16/2018	2.889	0.23	169.3	369.3	7.49	12.0	1.87	0.00
TMW49	40.0 - 60.0	No	10/17/2018	3.620	3.50	93.5	293.5	7.72	8.2	3.62	0.21

Notes:

^a Anomalous field parameter readings occurred at some sample locations during purging but are not expected to affect sampling results.

^b Eh is calculated from the ORP field reading and the water temperature using manufacturer specifications.

The formula for converting ORP to Eh is:

$$Eh = ORP \text{ measured} + Eh \text{ reference} = ORP \text{ measured} + 200$$

YSI Environmental, 2005. "Measuring ORP on YSI 6-Series Sondes: Tips, Cautions and Limitations."

Accessed November 20, 2018.

^c Drawdown is measured as the change in water level from initial measurement to final field reading on the day of well purging.

^d Reading of a negative DO or turbidity measurement is likely anomalous. The values were reported as 0.00.

^e Due to a potential bend in the well casing, the pump was not lowered to the bottom of the well. One well volume was purged.

Table 5-1: October 2018 Stable Groundwater Parameters

Acronyms and Abbreviations:

°C = degree Celsius

bgs = below ground surface

DO = dissolved oxygen

Eh = reduction potential

ft = foot

mg/L = milligram per liter

mS/cm = millisiemens per centimeter

mV = millivolt

NA = not applicable; drawdown measurements are not applicable for casing volume purging method, and Eh values are not calculated from anomalous ORP.

NTU = nephelometric turbidity unit

ORP = oxidation-reduction potential

pH = hydrogen (ion) concentration

SU = standard unit

Temp. = temperature

Table 5-2: Summary of Nitrate-N and Nitrite-N Analytical Results (mg/L)

			Nitrate-N	Nitrite-N
			CAS 14797-55-8	CAS 14797-65-0
Well	Sample	Sample	Screening	Value (mg/L) ^a
Name	Identifier	Date	10.0 ^b	1.0 ^c
Northern Alluvial Groundwater Zone				
BGMW01	BGMW01102018	10/9/18	0.16 J	0.20 U
	BGMW01042018	4/27/18	0.10 U	0.10 U
	BGMW01102017	10/23/17	0.10 U	0.10 U
	BGMW01042017	4/24/17	0.097 J	0.10 U
BGMW02	BGMW02102018	10/11/18	13	0.20 U
	BGMW02042018	4/26/18	14	0.20 U
	BGMW02102017	10/20/17	13	0.10 U
	BGMW02042017	4/21/17	15 J	0.10 U
BGMW03	BGMW03102018	10/10/18	1.1	0.10 U
	BGMW03042018	4/24/18	2.1 J	0.10 UJ
	BGMW030420182	4/27/18	2.2	0.71
	BGMW03102017	10/19/17	3.1	0.51
	BGMW03042017	4/20/17	2.6	0.055 J
FW31	FW31102018	10/9/18	0.046 J	0.10 U
	FW31042018	4/23/18	0.10 U	0.10 U
	FW31102017	10/18/17	0.054 J	0.10 U
	FW31042017	4/17/17	0.078 J	0.10 UJ
FW35	Well has been dry since 2015		Well was dry and was not sampled	
MW01	MW01102018	10/9/18	5.8	0.20 U
	MW01042018	4/23/18	6.2	0.10 U
	MW01102017	10/24/17	6.6	0.10 U
	MW01042017	4/19/17	7.0	0.10 U
MW02	MW02102018	10/9/18	3.2	0.10 U
	MW02042018	4/23/18	3.1	0.10 U
	MW020420182	4/27/18	3.0	0.10 U
	MW02102017	10/24/17	3.7	0.10 U
	MW02042017	4/19/17	3.9	0.10 U
MW03	MW03102018	10/15/18	6.3	0.20 U
	MW03042018	4/27/18	6.8	0.10 U
	MW03102017	10/23/17	6.8	0.10 U
	MW03042017	4/21/17	7.1 J	0.10 U
MW18D	MW18D102018	10/10/18	0.50 U	0.50 U
	MW18D042018	4/25/18	0.12 J	0.10 U
	MW18D102017	10/19/17	0.10 U	0.10 U
	MW18D042017	4/20/17	0.20 U	0.20 U
MW18S	Well has been dry since 2011		Well was dry and was not sampled	
MW20	MW20102018	10/15/18	7.7	0.50 U
	MW20042018	4/30/18	8.4	0.50 U
	MW20102017	10/23/17	8.4	2.8
	MW20042017	4/24/17	6.5	0.50 U
MW22D	MW22D102018	10/12/18	26	0.20 U
	MW22D042018	4/27/18	25	0.10 U

Table 5-2: Summary of Nitrate-N and Nitrite-N Analytical Results (mg/L)

			Nitrate-N	Nitrite-N
			CAS 14797-55-8	CAS 14797-65-0
Well	Sample	Sample	Screening	Value (mg/L) ^a
Name	Identifier	Date	10.0 ^b	1.0 ^c
	MW22D0420182	5/3/18	25	0.10 U
	MW22D102017	10/23/17	25	0.10 U
	MW22D042017	4/19/17	27	0.20 U
MW22S	MW22S102018	10/18	Well was dry and not sampled	
	MW22S042018	04/18	Well was dry and not sampled	
	MW22S102017	10/17	Well was dry and not sampled	
	MW22S042017	04/2017	Well was dry and not sampled	
MW23	MW23102018	10/17/18	0.10 U	0.45 J
	MW23102018FD ^d	10/17/18	0.10 U	0.43 J
	MW23042018	4/24/18	0.10 UJ	0.10 UJ
	MW23042018FD ^d	4/24/18	0.10 UJ	0.10 UJ
	MW23102017	10/18/17	0.084 J	0.10 U
	MW23102017FD ^d	10/18/17	0.069 J	0.10 U
	MW23042017	4/18/17	0.10 U	0.12 J
	DMW23042017 ^d	4/18/17	0.10 U	0.12 J
MW24	MW24102018	10/17/18	0.10 U	0.10 U
	MW24102018FD ^d	10/17/18	0.10 U	0.10 U
	MW24042018	4/23/18	0.10 U	0.10 U
	MW24042018FD ^d	4/23/18	0.10 U	0.10 U
	MW24102017	10/17/17	0.10 U	0.10 U
	MW24102017FD 01 ^d	10/17/17	0.10 U	0.10 U
	MW24042017	4/17/17	0.10 UJ	0.10 UJ
	DMW24042017 ^d	4/17/17	0.10 UJ	0.10 UJ
SMW01	SMW01102018	10/12/18	0.20 U	0.20 U
	SMW01042018	4/26/18	0.20 U	0.20 U
	SMW01102017	10/20/17	0.10 U	0.10 U
	SMW01042017	4/21/17	0.10 U	0.10 U
TMW01	TMW01102018	10/15/18	8.6	0.10 U
	TMW01042018	5/4/18	9.8	0.10 U
	TMW01102017	10/27/17	9.9	0.10 U
	TMW01042017	4/25/17	9.7	0.10 U
TMW03	TMW03102018	10/12/18	120	0.20 U
	TMW03042018	4/30/18	120	0.27 J
	TMW03102017	10/25/17	120	0.49 J
	TMW03042017	4/24/17	130	0.46 J
TMW04	TMW04102018	10/16/18	44	0.20 U
	TMW04042018	5/2/18	44	0.10 U
	TMW04102017	10/25/17	49	0.10 U
	TMW04042017	4/24/17	47	0.10 U
TMW06	TMW06102018	10/12/18	12	0.20 U
	TMW06042018	4/30/18	11	0.10 U
	TMW06102017	10/17/17	13	0.10 U
	TMW06042017	4/20/17	13 J	0.10 U

Table 5-2: Summary of Nitrate-N and Nitrite-N Analytical Results (mg/L)

			Nitrate-N	Nitrite-N
			CAS 14797-55-8	CAS 14797-65-0
Well	Sample	Sample	Screening	Value (mg/L) ^a
Name	Identifier	Date	10.0 ^b	1.0 ^c
TMW07	TMW07102018	10/10/18	0.20 U	0.20 U
	TMW07042018	4/25/18	0.15 J	0.10 U
	TMW07102017	10/19/17	0.20 U	0.20 U
	TMW07042017	4/20/17	0.20 U	0.20 U
TMW08	TMW08102018	10/11/18	4.7 J	1.0 U
	TMW08042018	4/27/18	4.3	3.7
	TMW08102017	10/20/17	4.4	0.20 U
	TMW08042017	4/21/17	0.50 U	0.50 U
TMW10	TMW10102018	10/10/18	0.50 U	0.50 U
	TMW10042018	4/24/18	0.10 UJ	0.10 UJ
	TMW100420182	4/27/18	0.16 J	0.20 U
	TMW10102017	10/25/17	0.20 U	0.20 U
	TMW10042017	4/21/17	0.20 U	0.20 U
TMW11	TMW11102018	10/11/18	0.13 U	0.10 U
	TMW11042018	5/2/18	1.3	0.10 U
	TMW11102017	10/27/17	3.4	0.10 U
	TMW11042017	4/26/17	1.3	0.10 U
TMW13	TMW13102018	10/15/18	5.2	0.10 U
	TMW13042018	5/1/18	5.8	0.10 U
	TMW13102017	10/26/17	5.7	0.10 U
	TMW13042017	4/25/17	5.5	0.10 U
TMW15	TMW15102018	10/16/18	3.7	0.10 U
	TMW15102018FD ^d	10/16/18	3.7	0.10 U
	TMW15042018	5/3/18	4.1	0.10 U
	TMW15042018FD ^d	5/3/18	4.1	0.10 U
	TMW15102017	10/26/17	4.8	0.10 U
	TMW15102017FD ^d	10/26/17	4.8	0.10 U
	TMW15042017	4/27/17	5.6	0.10 U
	DTW15042017 ^d	4/27/17	5.6	0.10 U
TMW21	TMW21102018	10/9/18	9.6	0.17 J
	TMW21042018	5/1/18	9.6	0.10 U
	TMW21102017	10/25/17	9.2	0.10 U
	TMW21042017	4/26/17	9.2	0.10 U
TMW22	TMW22102018	10/11/18	13	0.10 U
	TMW22042018	4/25/18	11	0.10 U
	TMW22102017	10/25/17	13	0.091 J
	TMW22042017	4/19/17	12	0.10 U
TMW23	TMW23102018	10/11/18	26	0.10 U
	TMW23042018	4/25/18	27	0.10 U
	TMW23102017	10/19/17	29	0.10 U
	TMW23042017	4/20/17	29 J	0.10 U
TMW24	TMW24102018	10/18/18	0.20 U	0.20 U
	TMW24042018	4/30/18	0.10 U	0.10 U

Table 5-2: Summary of Nitrate-N and Nitrite-N Analytical Results (mg/L)

Well	Sample	Sample	Nitrate-N	Nitrite-N
			CAS 14797-55-8	CAS 14797-65-0
Name	Identifier	Date	Screening 10.0 ^b	Value (mg/L) ^a 1.0 ^c
	TMW24102017	10/24/17	0.10 U	0.10 U
	TMW24042017	4/25/17	0.10 U	0.10 U
TMW25	TMW25102018	10/16/18	0.47 J	0.20 U
	TMW25042018	4/30/18	0.35 J	0.10 U
	TMW25102017	10/25/17	0.4 J	0.10 U
	TMW25042017	4/27/17	0.46 J	0.10 U
TMW26	TMW26102018	10/10/18	0.20 U	0.20 U
	TMW26102018FD ^d	10/10/18	0.20 U	0.20 U
	TMW26042018	4/26/18	0.10 U	0.10 U
	TMW26042018FD ^d	4/26/18	0.10 U	0.10 U
	TMW26102017	10/17/17	0.10 U	0.10 U
	TMW26102017FD ^d	10/17/17	0.10 U	0.10 U
	TMW26042017	4/20/17	0.044 J	0.10 U
	DTW26042017 ^d	4/20/17	0.10 U	0.10 U
TMW28	TMW28102018	10/9/18	0.10 U	0.10 U
	TMW28042018	4/26/18	0.10 U	0.10 U
	TMW28102017	10/20/17	0.058 J	0.10 U
	TMW28042017	4/24/17	0.10 U	0.10 U
TMW29	TMW29102018	10/9/18	2.7	0.10 U
	TMW29042018	4/23/18	2.9	0.10 U
	TMW29102017	10/20/17	2.8	0.10 U
	TMW29042017	4/20/17	2.7	0.10 U
TMW31S	TMW31S102018	10/11/18	7.7	0.10 U
	TMW31S042018	4/25/18	7.9 J	0.10 U
	TMW31S102017	10/25/17	7.8	0.10 U
	TMW31S042017	4/19/17	7.1	0.10 U
TMW33	TMW33102018	10/10/18	0.50 U	0.50 U
	TMW33042018	4/25/18	0.12 J	0.10 U
	TMW33102017	10/20/17	0.20 U	0.20 U
	TMW33042017	4/20/17	0.50 U	0.50 U
TMW34	TMW34102018	10/15/18	69	0.20 U
	TMW34102018FD ^d	10/15/18	68	0.20 U
	TMW34042018	4/27/18	77	0.20 U
	TMW34042018FD ^d	4/27/18	67 J	0.20 U
	TMW34102017	10/25/17	64	0.20 U
	TMW34102017FD ^d	10/25/17	65	0.20 U
	TMW34042017	4/24/17	71	0.20 U
	DTW34042017 ^d	4/24/17	71	0.20 U
TMW35	TMW35102018	10/15/18	8.3	0.20 U
	TMW35042018	4/27/18	8.3	0.20 U
	TMW35102017	10/23/17	8.4	0.20 U
	TMW35042017	4/24/17	9.6	0.10 U

Table 5-2: Summary of Nitrate-N and Nitrite-N Analytical Results (mg/L)

			Nitrate-N	Nitrite-N
			CAS 14797-55-8	CAS 14797-65-0
Well	Sample	Sample	Screening	Value (mg/L) ^a
Name	Identifier	Date	10.0 ^b	1.0 ^c
TMW39S	TMW39S102018	10/11/18	9.1	0.20 U
	TMW39S042018	4/25/18	9.2	0.10 U
	TMW39S102017	10/18/17	9.1	0.10 U
	TMW39S042017	4/19/17	9.4	0.10 U
TMW40S	TMW40S102018	10/9/18	140	0.33 J
	TMW40S042018	4/27/18	140	0.38 J
	TMW40S102017	10/27/17	140	0.44 J
	TMW40S042017	4/21/17	130	0.32 J
TMW41	TMW41102018	10/11/18	5.4	0.20 U
	TMW41042018	4/25/18	5.2	0.10 U
	TMW41102017	10/25/17	5.4	0.10 U
	TMW41042017	4/19/17	5.7	0.10 U
TMW43	TMW43102018	10/16/18	7.7 J	0.10 U
	TMW43102018FD ^d	10/16/18	7.6	0.10 U
	TMW43042018	5/2/18	8.0	0.10 U
	TMW43042018FD ^d	5/2/18	7.9	0.10 U
	TMW43102017	10/24/17	8.2	0.10 U
	TMW43102017FD ^d	10/24/17	8	0.10 U
	TMW43042017	4/27/17	8.4	0.10 U
	DTW43042017 ^d	4/27/17	8.7	0.10 U
TMW44	TMW44102018	10/11/18	53	0.20 U
	TMW44042018	4/25/18	50	0.10 U
	TMW44102017	10/25/17	51	0.10 U
	TMW44042017	4/19/17	52	0.10 U
TMW45	TMW45102018	10/17/18	1.2	0.20 U
	TMW45042018	5/2/18	1.0	0.10 U
	TMW45102017	10/27/17	0.91	0.10 U
	TMW45042017	4/28/17	0.93	0.10 U
TMW46	TMW46102018	10/10/18	78	0.20 U
	TMW46042018	4/25/18	78	0.10 U
	TMW46102017	10/25/17	80	0.20 U
	TMW46042017	4/20/17	84 J	0.20 U
TMW47	TMW47102018	10/17/18	0.10 U	0.10 U
	TMW47042018	5/3/18	0.10 U	0.10 U
	TMW47102017	10/26/17	0.10 U	0.10 U
	TMW47042017	4/25/17	0.10 U	0.10 U
Northern Bedrock Groundwater Zone				
BGMW07	BGMW07102018	10/12/18	1.0 U	1.0 U
	BGMW07042018	4/26/18	0.50 U	0.50 U
BGMW08	BGMW08102018	10/9/18	0.50 U	0.50 U
	BGMW08072018	7/18/18	0.50 U	0.50 U
	BGMW08042018	4/26/18	Well was dry and not sampled	

Table 5-2: Summary of Nitrate-N and Nitrite-N Analytical Results (mg/L)

Well	Sample	Sample	Nitrate-N	Nitrite-N
			CAS 14797-55-8	CAS 14797-65-0
Name	Identifier	Date	Screening 10.0 ^b	Value (mg/L) ^a 1.0 ^c
BGMW09	BGMW09102018	10/10/18	0.20 U	0.20 U
	BGMW09102018FD ^d	10/10/18	0.20 U	0.20 U
	BGMW09042018	5/1/18	0.20 U	0.20 U
BGMW10	BGMW10102018	10/11/18	0.10 U	0.10 U
	BGMW10042018	4/27/18	0.087 J	0.10 U
TMW02	TMW02102018	10/16/18	86	0.20 U
	TMW02042018	5/1/18	88	0.10 U
	TMW02102017	10/24/17	86	0.10 U
	TMW02042017	4/24/17	94	0.10 U
TMW14A	TMW14A102018	10/15/18	5.5 J	0.10 U
	TMW14A042018	5/3/18	0.10 U	0.10 U
	TMW14A102017	10/26/17	0.10 U	0.10 U
	TMW14A042017	4/27/17	0.10 U	0.10 U
TMW17	TMW17102018	10/18/18	0.10 U	0.10 U
	TMW17042018	5/3/18	0.10 U	0.10 U
	TMW17102017	10/26/17	0.10 U	0.10 U
	TMW17042017	4/27/17	0.10 U	0.10 U
TMW18	TMW18102018	10/18/18	0.28 J	0.10 U
	TMW18042018	4/25/18	0.32 J	0.14 J
	TMW18102017	10/19/17	0.10 U	0.10 U
	TMW18042017	4/20/17	0.046 J	0.10 U
TMW30	TMW30102018	10/11/18	15	0.10 U
	TMW30042018	4/26/18	15	0.10 U
	TMW30102017	10/25/17	16	0.10 U
	TMW30042017	4/19/17	16	0.10 U
TMW31D	TMW31D102018	10/16/18	13	0.10 U
	TMW31D102018FD ^d	10/16/18	14	0.10 U
	TMW31D042018	5/2/18	14	0.10 U
	TMW31D042018FD ^d	5/2/18	14	0.10 U
	TMW31D102017	10/26/17	14	0.10 U
	TMW31D102017FD ^d	10/26/17	14	0.10 U
	TMW31D042017	4/27/17	14	0.10 U
	DTW31D042017 ^d	4/27/17	14	0.10 U
TMW32	TMW32102018	10/12/18	2.5	0.20 U
	TMW32042018	5/1/18	3.0	0.44 J
	TMW32102017	10/20/17	2.5	0.21 J
	TMW32042017	4/27/17	2.3	0.31 J
TMW36	TMW36102018	10/18/18	0.10 U	0.10 U
	TMW36042018	4/25/18	0.10 U	0.10 U
	TMW36102017	10/19/17	0.18 U	0.10 U
	TMW36042017	4/20/17	0.10 U	0.10 U
TMW37	TMW37102018	10/18/18	0.10 U	0.10 U
	TMW37042018	4/25/18	0.10 U	0.10 U

Table 5-2: Summary of Nitrate-N and Nitrite-N Analytical Results (mg/L)

			Nitrate-N	Nitrite-N
			CAS 14797-55-8	CAS 14797-65-0
Well	Sample	Sample	Screening	Value (mg/L) ^a
Name	Identifier	Date	10.0 ^b	1.0 ^c
	TMW37102017	10/20/17	0.10 U	0.10 U
	TMW37042017	4/20/17	0.10 U	0.10 U
TMW38	TMW38102018	10/19/18	0.10 U	0.10 U
	TMW38042018	5/1/18	0.10 U	0.10 U
	TMW38102017	10/26/17	0.10 U	0.10 U
	TMW38042017	4/26/17	0.10 U	0.10 U
TMW39D	TMW39D102018	10/16/18	0.10 U	0.20 U
	TMW39D042018	5/3/18	0.11 J	0.10 U
	TMW39D102017	10/27/17	0.45 J	0.10 U
	TMW39D042017	4/27/17	0.10 U	0.10 U
TMW40D	TMW40D102018	10/12/18	1.9	0.1 J
	TMW40D042018	5/1/18	2.1	0.38 J
	TMW40D102017	10/23/17	2	0.10 U
	TMW40D042017	4/25/17	1.9	0.27 J
TMW48	TMW48102018	10/16/18	12	0.10 U
	TMW48042018	5/2/18	12	0.10 U
	TMW48102017	10/27/17	12	0.10 U
	TMW48042017	4/26/17	14	0.10 U
TMW49	TMW49102018	10/17/18	5.4	0.10 U
	TMW49042018	5/4/18	5.9	0.10 U
	TMW49102017	10/27/17	5.6	0.10 U
	TMW49042017	4/26/17	6.1	0.10 U

Notes:

^a Nitrate and nitrite are analyzed using EPA Method 9056A.

^b New Mexico Water Quality Control Commission standard - NMAC 20.6.2.3103

^c EPA maximum contaminant level is 1.0 mg/L.

^d Indicates a field duplicate sample.

Bolded values indicate analyte was positively detected above screening values.

Acronyms and Abbreviations:

CAS = Chemical Abstracts Service

EPA = U.S. Environmental Protection Agency

J = analyte was positively identified; reported value is estimated.

mg/L = milligram per liter

N = nitrogen

NMAC = New Mexico Administrative Code

U = non-detected result reported at the limit of detection

UJ = non-detected result reported at the limit of detection; however, the result is estimated because of discrepancies in meeting certain analyte-specific quality control criteria.

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Table 5-3: Summary of Explosives Analytical Results (µg/L)

			1,3,5-Trinitro-benzene	1,3-Dinitro-benzene	2,4-Dinitro-toluene	2-Amino-4,6-Dinitro-toluene	3,5-Dinitro-aniline	3-Nitro-toluene	4-Amino-2,6-Dinitro-toluene	HMX	Nitro-benzene	RDX	Tetryl
			CAS 99-35-4	CAS 99-65-0	CAS 121-14-2	CAS 35572-78-2	CAS 618-87-1	CAS 99-08-1	CAS 19406-51-0	CAS 2691-41-0	CAS 98-95-3	CAS 121-82-4	CAS 479-45-8
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^{a,b}										
			590	2.0	2.4	39	38	1.7	39	1000	1.4	9.7	39
Northern Alluvial Groundwater Zone													
BGMW01	BGMW01102018	10/9/18	0.43 U	0.21 U	0.21 U	0.13 U	0.32 U	0.21 U	0.13 U	0.21 U	0.21 U	0.13 U	0.21 U
	BGMW01042018	4/27/18	0.51 UJ	0.26 UJ	0.26 U	0.15 UJ	0.39 UJ	0.26 UJ	0.15 UJ	0.26 UJ	0.26 UJ	0.15 UJ	0.26 UJ
	BGMW01102017	10/23/17	0.47 U	0.23 U	0.23 U	0.14 U	0.35 U	0.23 U	0.14 U	0.23 U	0.23 U	0.14 U	0.23 U
	BGMW01042017	4/24/17	0.47 U	0.24 U	0.24 U	0.14 U	0.35 U	0.24 U	0.14 U	0.24 U	0.24 U	0.14 U	0.24 U
BGMW02	BGMW02102018	10/11/18	0.44 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
	BGMW02042018	4/26/18	0.49 U	0.24 U	0.24 U	0.15 UJ	0.37 U	0.24 U	0.15 UJ	0.24 U	0.24 U	0.15 U	0.24 U
	BGMW02102017	10/20/17	0.46 U	0.23 U	0.23 U	0.14 U	0.34 U	0.23 U	0.14 U	0.23 U	0.23 U	0.14 U	0.23 U
	BGMW02042017	4/21/17	0.48 U	0.24 U	0.24 U	0.14 U	0.36 U	0.24 U	0.14 U	0.24 U	0.24 U	0.14 U	0.24 U
BGMW03	BGMW03102018	10/10/18	0.47 U	0.24 U	0.24 U	0.14 U	0.35 U	0.24 U	0.14 U	0.24 U	0.24 U	0.14 U	0.24 U
	BGMW03042018	4/24/18	0.47 UJ	0.23 UJ	0.23 UJ	0.14 UJ	0.35 UJ	0.23 UJ	0.14 UJ	0.23 UJ	0.23 UJ	0.14 UJ	0.23 UJ
	BGMW03102017	10/19/17	0.48 U	0.24 U	0.24 UJ	0.14 UJ	0.36 U	0.24 UJ	0.14 UJ	0.24 U	0.24 U	0.14 U	0.24 U
	BGMW03042017	4/20/17	0.46 U	0.23 U	0.23 U	0.14 U	0.34 U	0.23 U	0.14 U	0.23 U	0.23 U	0.14 U	0.23 U
FW31	FW31102018	10/9/18	0.42 U	0.21 U	0.21 U	0.13 U	0.32 U	0.21 U	0.13 U	0.21 U	0.21 U	0.13 U	0.21 U
	FW31042018	4/23/18	0.42 UJ	0.21 UJ	0.21 UJ	0.12 UJ	0.31 U	0.21 UJ	0.12 UJ	0.21 U	0.21 U	0.12 U	0.21 U
	FW31102017	10/18/17	0.46 U	0.23 U	0.23 U	0.14 U	0.34 U	0.23 U	0.14 U	0.23 U	0.23 U	0.14 U	0.23 U
	FW31042017	4/17/17	0.44 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
FW35	Well has been dry since 2015												
MW01	MW01102018	10/9/18	0.40 U	0.20 U	0.20 U	0.12 U	0.30 U	0.20 U	0.12 U	0.20 U	0.20 U	0.12 U	0.20 U
	MW01042018	4/23/18	0.48 UJ	0.24 UJ	0.24 UJ	0.14 UJ	0.36 UJ	0.24 UJ	0.14 UJ	0.24 UJ	0.24 UJ	0.14 UJ	0.24 UJ
	MW01102017	10/24/17	2.9 UJ	1.4 UJ	1.4 UJ	0.87 UJ	2.2 UJ	1.4 UJ	0.87 UJ	1.4 UJ	1.4 UJ	0.87 UJ	1.4 UJ
	MW01042017	4/19/17	0.42 U	0.21 U	0.21 U	0.13 U	0.32 U	0.21 U	0.13 U	0.21 U	0.21 U	0.13 U	0.21 U
MW02	MW02102018	10/9/18	0.42 U	0.21 U	0.21 U	0.12 U	0.31 U	0.21 U	0.12 U	0.21 U	0.21 U	0.12 U	0.21 U
	MW02042018	4/23/18	0.43 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.33 U	0.22 UJ	0.13 UJ	0.22 U	0.22 U	0.13 U	0.22 U
	MW02102017	10/24/17	4.0 UJ	2.0 UJ	2.0 UJ	1.2 UJ	3.0 UJ	2.0 UJ	1.2 UJ	2.0 UJ	2.0 UJ	1.2 UJ	2.0 UJ
	MW02042017	4/19/17	0.48 U	0.24 U	0.24 U	0.14 U	0.36 U	0.24 U	0.14 U	0.24 U	0.24 U	0.14 U	0.24 U
MW03	MW03102018	10/15/18	0.43 U	0.21 U	0.21 U	0.13 U	0.32 U	0.21 U	0.13 U	0.21 U	0.21 U	0.13 U	0.21 U
	MW03042018	4/27/18	0.42 UJ	0.21 UJ	0.21 UJ	0.13 UJ	0.31 UJ	0.21 UJ	0.13 UJ	0.21 UJ	0.21 UJ	0.13 UJ	0.21 UJ
	MW03102017	10/23/17	0.44 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
	MW03042017	4/21/17	0.48 U	0.24 U	0.24 U	0.14 U	0.36 U	0.24 U	0.14 U	0.24 U	0.24 U	0.14 U	0.24 U
MW18D	MW18D102018	10/10/18	0.44 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
	MW18D042018	4/25/18	0.42 UJ	0.21 UJ	0.21 UJ	0.13 UJ	0.32 UJ	0.21 UJ	0.13 UJ	0.21 UJ	0.21 UJ	0.13 UJ	0.21 UJ
	MW18D102017	10/19/17	0.48 U	0.24 U	0.24 UJ	0.14 UJ	0.36 U	0.24 UJ	0.14 UJ	0.24 U	0.24 U	0.14 U	0.24 U
	MW18D042017	4/20/17	0.47 U	0.23 U	0.23 U	0.14 U	0.35 U	0.23 U	0.14 U	0.23 U	0.23 U	0.14 U	0.23 U
MW18S	Well has been dry since install in 1994												
Well was dry and was not sampled													

Table 5-3: Summary of Explosives Analytical Results (µg/L)

			1,3,5-Trinitro- benzene	1,3-Dinitro- benzene	2,4-Dinitro- toluene	2-Amino-4,6- Dinitro- toluene	3,5-Dinitro- aniline	3-Nitro- toluene	4-Amino-2,6- Dinitro- toluene	HMX	Nitro-benzene	RDX	Tetryl
			CAS 99-35-4	CAS 99-65-0	CAS 121-14-2	CAS 35572-78-2	CAS 618-87-1	CAS 99-08-1	CAS 19406-51-0	CAS 2691-41-0	CAS 98-95-3	CAS 121-82-4	CAS 479-45-8
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^{a,b}										
			590	2.0	2.4	39	38	1.7	39	1000	1.4	9.7	39
MW20	MW20102018	10/15/18	0.45 U	0.22 U	0.22 U	0.13 U	0.34 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
	MW20042018	4/30/18	0.43 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.33 UJ	0.22 UJ	0.13 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.22 UJ
	MW20102017	10/23/17	0.44 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
	MW20042017	4/24/17	0.48 U	0.24 U	0.24 U	0.14 U	0.36 U	0.24 U	0.14 U	0.24 U	0.24 U	0.14 U	0.24 U
MW22D	MW22D102018	10/12/18	0.43 U	0.22 U	0.22 U	0.13 U	0.32 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
	MW22D042018	4/27/18	0.44 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.33 UJ	0.22 UJ	0.13 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.22 UJ
	MW22D102017	10/23/17	0.47 U	0.24 U	0.24 U	0.14 U	0.35 U	0.24 U	0.14 U	0.24 U	0.24 U	0.14 U	0.24 U
	MW22D042017	4/19/17	0.47 U	0.24 U	0.24 U	0.14 U	0.35 U	0.24 U	0.14 U	0.24 U	0.24 U	0.14 U	0.24 U
MW22S	MW22S102018	10/1/18	Well was dry and was not sampled										
	MW22S042018	4/1/18	Well was dry and was not sampled										
	MW22S102017	10/2017	Well was dry and was not sampled										
	MW22S042017	04/2017	Well was dry and was not sampled										
MW23	MW23102018	10/17/18	0.44 U	0.22 U	0.22 UJ	0.13 UJ	0.33 U	0.22 UJ	0.13 UJ	0.22 U	0.22 U	0.13 U	0.22 UJ
	MW23102018FD ^c	10/17/18	0.43 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 UJ
	MW23042018	4/24/18	0.42 UJ	0.21 UJ	0.21 UJ	0.13 UJ	0.32 UJ	0.21 UJ	0.13 UJ	0.21 UJ	0.21 UJ	0.13 UJ	0.21 UJ
	MW23042018FD ^c	4/24/18	0.43 UJ	0.21 UJ	0.21 UJ	0.13 UJ	0.32 U	0.21 UJ	0.13 UJ	0.21 UJ	0.21 U	0.13 UJ	0.21 UJ
	MW23102017	10/18/17	0.47 U	0.24 U	0.24 U	0.14 U	0.35 U	0.24 U	0.14 UJ	0.24 U	0.24 U	0.14 U	0.24 U
	MW23102017FD ^c	10/18/17	0.47 U	0.24 U	0.24 U	0.14 U	0.36 U	0.24 U	0.14 U	0.24 U	0.24 U	0.14 U	0.24 U
	MW23042017	4/18/17	0.45 U	0.23 U	0.23 U	0.14 U	0.34 UJ	0.23 U	0.14 U	6.5 J	0.23 U	0.14 UJ	0.23 U
	DMW23042017 ^c	4/18/17	0.43 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
MW24	MW24102018	10/17/18	0.43 U	0.22 U	0.22 U	0.13 U	0.32 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 UJ
	MW24102018FD	10/17/18	0.43 U	0.21 U	0.21 U	0.13 U	0.32 U	0.21 U	0.13 U	0.21 U	0.21 U	0.13 U	0.21 UJ
	MW24042018	4/23/18	0.43 UJ	0.21 UJ	0.21 UJ	0.13 UJ	0.32 UJ	0.21 UJ	0.13 UJ	0.21 UJ	0.21 UJ	0.13 UJ	0.21 UJ
	MW24042018FD ^c	4/23/18	0.42 UJ	0.21 UJ	0.21 UJ	0.13 UJ	0.32 UJ	0.21 UJ	0.13 UJ	0.21 UJ	0.21 UJ	0.13 UJ	0.21 UJ
	MW24102017	10/17/17	0.46 UJ	0.23 UJ	0.23 UJ	0.14 UJ	0.35 U	0.23 UJ	0.14 UJ	0.23 UJ	0.23 UJ	0.14 UJ	0.23 UJ
	MW24102017FD 01 ^c	10/17/17	0.45 UJ	0.23 UJ	0.23 UJ	0.14 UJ	0.37 U	0.23 UJ	0.14 UJ	0.23 UJ	0.23 UJ	0.14 UJ	0.23 UJ
	MW24042017	4/17/17	0.42 U	0.21 U	0.21 U	0.13 U	0.32 U	0.21 U	0.13 U	0.21 U	0.21 U	0.13 U	0.21 U
	DMW24042017 ^c	4/17/17	0.43 U	0.21 U	0.21 U	0.13 U	0.32 U	0.21 U	0.13 U	0.21 U	0.21 U	0.13 U	0.21 U
SMW01	SMW01102018	10/12/18	0.47 UJ	0.23 UJ	0.23 UJ	0.14 UJ	0.35 UJ	0.23 UJ	0.14 UJ	0.23 UJ	0.23 UJ	0.14 UJ	0.23 UJ
	SMW01042018	4/26/18	0.46 UJ	0.23 UJ	0.23 UJ	0.14 UJ	0.35 UJ	0.23 UJ	0.14 UJ	0.23 UJ	0.23 U	0.14 UJ	0.23 UJ
	SMW01102017	10/20/17	0.50 U	0.25 U	0.25 U	0.15 U	0.37 U	0.25 U	0.15 U	0.25 U	0.25 U	0.15 U	0.25 U
	SMW01042017	4/21/17	0.46 U	0.23 U	0.23 U	0.14 U	0.35 U	0.23 U	0.14 U	0.23 U	0.23 U	0.14 U	0.23 U
TMW01	TMW01102018	10/15/18	0.41 U	0.21 U	0.21 U	0.12 U	0.31 U	0.21 U	0.12 U	0.21 U	0.21 U	0.12 U	0.21 U
	TMW01042018	5/4/18	0.46 UJ	0.23 UJ	0.23 UJ	0.14 UJ	0.34 UJ	0.23 UJ	0.14 UJ	0.23 UJ	0.23 UJ	0.14 UJ	0.23 UJ
	TMW01102017	10/27/17	0.44 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.33 UJ	0.22 UJ	0.13 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.22 UJ
	TMW01042017	4/25/17	0.41 U	0.20 U	0.20 U	0.12 U	0.31 U	0.20 U	0.12 U	0.20 U	0.20 U	0.12 U	0.20 U

Table 5-3: Summary of Explosives Analytical Results (µg/L)

			1,3,5-Trinitro-benzene	1,3-Dinitro-benzene	2,4-Dinitro-toluene	2-Amino-4,6-Dinitro-toluene	3,5-Dinitro-aniline	3-Nitro-toluene	4-Amino-2,6-Dinitro-toluene	HMX	Nitro-benzene	RDX	Tetryl
			CAS 99-35-4	CAS 99-65-0	CAS 121-14-2	CAS 35572-78-2	CAS 618-87-1	CAS 99-08-1	CAS 19406-51-0	CAS 2691-41-0	CAS 98-95-3	CAS 121-82-4	CAS 479-45-8
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^{a,b}										
			590	2.0	2.4	39	38	1.7	39	1000	1.4	9.7	39
TMW03	TMW03102018	10/12/18	140 J	0.21 UJ	0.38 J	1.0 J	7.7 J	11 J	1.8 J	29 J	0.21 UJ	500	0.21 UJ
	TMW03042018	4/30/18	6.0 J	0.23 U	0.23 UJ	1.9 J	4.8 J	0.23 U	3.2 J	43	0.23 U	360	0.23 U
	TMW03102017	10/25/17	1.7 J	0.12 J	0.24 UJ	0.99 J	6.4 J	2.6 J	2.9 J	8.2 J	4.3 J	470	0.24 UJ
	TMW03042017	4/24/17	0.43 U	0.21 U	0.21 U	0.13 U	0.32 U	0.21 U	0.13 U	0.21 U	0.21 U	400 ^e	0.21 U
TMW04	TMW04102018	10/16/18	140 J	0.22 U	0.22 U	1.8 J	1.8 J	0.22 U	3.9 J	77	0.22 U	220 J	0.22 U
	TMW04042018	5/2/18	0.45 U	0.23 U	0.23 U	2.4 J	1.7 J	0.23 U	2.6 J	12 J	0.23 U	0.14	0.23 U
	TMW04102017	10/25/17	6.5 J	0.23 UJ	0.23 UJ	1.6 J	1.2 J	2.3 J	1.4 J	0.23 UJ	0.23 UJ	9.1 J	0.23 UJ
	TMW04042017	4/24/17	0.44 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
TMW06	TMW06102018	10/12/18	0.42 U	0.21 U	0.21 U	0.12 U	0.31 U	0.21 U	0.12 U	0.21 U	0.21 U	0.12 U	0.21 U
	TMW06042018	4/30/18	0.43 U	0.21 U	0.21 UJ	0.13 UJ	0.32 U	0.21 U	0.13 UJ	0.21 U	0.21 U	0.13 U	0.21 U
	TMW06102017 01 ^d	10/26/17	0.43 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
	TMW06042017	4/20/17	0.46 U	0.23 U	0.23 U	0.14 U	0.34 U	0.23 U	0.14 U	0.23 U	0.23 U	0.14 U	0.23 U
TMW07	TMW07102018	10/10/18	0.44 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
	TMW07042018	4/25/18	0.42 UJ	0.21 UJ	0.21 UJ	0.13 UJ	0.32 UJ	0.21 UJ	0.13 UJ	0.21 UJ	0.21 UJ	0.13 UJ	0.21 UJ
	TMW07102017	10/19/17	0.45 U	0.22 U	0.22 UJ	0.13 UJ	0.33 U	0.22 UJ	0.13 UJ	0.22 U	0.22 U	0.13 U	0.22 U
	TMW07042017	4/20/17	0.42 U	0.21 U	0.21 U	0.13 U	0.32 U	0.21 U	0.13 U	0.21 U	0.21 U	0.13 U	0.21 U
TMW10	TMW10102018	10/10/18	0.42 U	0.21 U	0.21 U	0.13 U	0.31 U	0.21 U	0.13 U	0.21 U	0.21 U	0.13 U	0.21 U
	TMW10042018	4/24/18	0.49 UJ	0.24 UJ	0.24 UJ	0.15 UJ	0.37 UJ	0.24 UJ	0.15 UJ	0.24 UJ	0.24 UJ	0.15 UJ	0.24 UJ
	TMW10102017	10/25/17	0.52 U	0.26 U	0.26 UJ	0.16 UJ	0.39 U	0.26 UJ	0.16 UJ	0.26 U	0.26 UJ	0.16 U	0.26 U
	TMW10042017	4/21/17	0.46 U	0.23 U	0.23 U	0.14 U	0.35 U	0.23 U	0.14 U	0.23 U	0.23 U	0.28 UJ	0.23 U
TMW11	TMW11102018	10/11/18	0.45 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.65 U	0.22 U
	TMW11042018	5/2/18	0.45 U	0.22 U	0.22 U	0.13 U	0.34 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
	TMW11102017	10/27/17	0.45 UJ	0.23 UJ	0.23 UJ	0.14 UJ	0.34 UJ	0.23 UJ	0.14 UJ	0.23 UJ	0.23 UJ	0.14 UJ	0.23 UJ
	TMW11042017	4/26/17	0.48 U	0.24 U	0.24 U	0.14 U	0.36 U	0.24 U	0.14 U	0.24 U	0.24 U	0.14 U	0.24 U
TMW13 ^g	TMW13102018	10/15/18	0.42 U	0.21 U	0.21 U	0.12 U	0.31 U	0.21 U	0.12 U	0.21 U	0.21 U	0.12 U	0.21 U
	TMW13042018	04/18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	TMW13102017	10/17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	TMW13042017	04/17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TMW15	TMW15102018	10/16/18	0.44 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
	TMW15102018FD ^c	10/16/18	0.43 U	0.21 U	0.21 U	0.13 U	0.32 U	0.21 U	0.13 U	0.21 U	0.21 U	0.13 U	0.21 U
	TMW15042018	5/3/18	0.42 U	0.21 U	0.21 U	0.13 U	0.31 U	0.21 U	0.13 U	0.21 U	0.21 U	0.13 U	0.21 U
	TMW15042018FD ^c	5/3/18	0.40 U	0.20 U	0.20 U	0.12 U	0.30 U	0.20 U	0.12 U	0.20 U	0.20 U	0.12 U	0.20 U
	TMW15102017	10/26/17	0.47 U	0.23 U	0.23 U	0.14 U	0.35 U	0.23 U	0.14 U	0.23 U	0.23 U	0.14 U	0.23 U
	TMW15102017FD ^c	10/26/17	0.47 U	0.23 U	0.23 U	0.14 U	0.35 U	0.23 U	0.14 U	0.23 U	0.23 U	0.14 U	0.23 U
	TMW15042017	4/27/17	0.44 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
	DTW15042017 ^c	4/27/17	0.44 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U

Table 5-3: Summary of Explosives Analytical Results (µg/L)

			1,3,5-Trinitro- benzene	1,3-Dinitro- benzene	2,4-Dinitro- toluene	2-Amino-4,6- Dinitro- toluene	3,5-Dinitro- aniline	3-Nitro- toluene	4-Amino-2,6- Dinitro- toluene	HMX	Nitro-benzene	RDX	Tetryl
			CAS 99-35-4	CAS 99-65-0	CAS 121-14-2	CAS 35572-78-2	CAS 618-87-1	CAS 99-08-1	CAS 19406-51-0	CAS 2691-41-0	CAS 98-95-3	CAS 121-82-4	CAS 479-45-8
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^{a,b}										
			590	2.0	2.4	39	38	1.7	39	1000	1.4	9.7	39
TMW21	TMW21102018	10/9/18	0.41 U	0.21 U	0.21 U	0.12 U	0.31 U	0.21 U	0.12 U	0.21 U	0.21 U	0.12 U	0.21 U
	TMW21042018	5/1/18	0.43 U	0.21 U	0.21 U	0.13 U	0.32 U	0.21 U	0.13 U	0.21 U	0.21 U	0.13 U	0.21 U
	TMW21102017	10/25/17	0.47 U	0.24 U	0.24 UJ	0.14 UJ	0.35 U	0.24 UJ	0.14 UJ	0.24 U	0.24 UJ	0.14 U	0.24 U
	TMW21042017	4/26/17	0.43 U	0.21 U	0.21 U	0.13 U	0.32 U	0.21 U	0.13 U	0.21 U	0.21 U	0.13 U	0.21 U
TMW22	TMW22102018	10/11/18	0.41 U	0.21 U	0.21 U	0.12 U	0.31 U	0.21 U	0.12 U	0.21 U	0.21 U	0.12 U	0.21 U
	TMW22042018	4/25/18	0.45 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.33 U	0.22 UJ	0.13 UJ	0.22 UJ	0.22 U	0.13 UJ	0.22 UJ
	TMW22102017	10/25/17	4.9 J	0.23 UJ	0.23 UJ	0.18 J	0.35 UJ	0.23 UJ	0.14 UJ	0.23 UJ	0.23 UJ	0.14 UJ	0.23 UJ
	TMW22042017	4/19/17	0.48 U	0.24 U	0.24 U	0.14 U	0.36 U	0.24 U	0.14 U	0.24 U	0.24 U	0.14 U	0.24 U
TMW23	TMW23102018	10/11/18	0.81 J	0.21 UJ	0.21 UJ	9.6 J	0.32 UJ	0.21 UJ	0.13 UJ	27 J	0.21 UJ	63	0.21 UJ
	TMW23042018	4/25/18	0.43 UJ	0.21 UJ	0.21 UJ	0.23 J	0.32 U	0.21 UJ	0.13 UJ	0.21 UJ	0.21 U	84 J	0.21 UJ
	TMW23102017	10/19/17	0.46 U	0.23 U	0.23 UJ	0.79 J	0.35 U	0.23 UJ	0.53 J	0.23 U	0.23 U	53 J	0.23 U
	TMW23042017	4/20/17	4.2 UJ	2.1 U	2.1 UJ	1.3 UJ	3.1 UJ	2.1 U	1.3 UJ	2.1 U	2.1 UJ	49 J	2.1 UJ
TMW24	TMW24102018	10/18/18	0.46 U	0.23 U	0.23 U	0.14 U	0.35 U	0.23 U	0.14 U	0.23 U	0.23 U	0.14 U	0.23 UJ
	TMW24042018	4/30/18	0.44 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.33 UJ	0.22 UJ	0.13 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.22 UJ
	TMW24102017	10/24/17	0.50 U	0.25 U	0.25 U	0.15 U	0.37 U	0.25 U	0.15 U	0.25 U	0.25 U	0.15 U	0.25 U
	TMW24042017	4/25/17	0.44 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
TMW25	TMW25102018	10/16/18	0.45 U	0.23 U	0.23 U	0.14 U	0.34 U	0.23 U	0.14 U	0.23 U	0.23 U	0.14 U	0.23 U
	TMW25042018	4/30/18	0.48 UJ	0.24 UJ	0.24 UJ	0.14 UJ	0.36 UJ	0.24 UJ	0.14 UJ	0.24 UJ	0.24 UJ	0.14 UJ	0.24 UJ
	TMW25102017	10/25/17	0.48 UJ	0.24 UJ	0.24 UJ	0.14 UJ	0.36 UJ	0.24 UJ	0.14 UJ	0.24 UJ	0.24 UJ	0.14 UJ	0.24 UJ
	TMW25042017	4/27/17	22 U	11 U	11 U	6.6 U	16 U	11 U	6.6 U	11 U	230	6.6 U	11 U
TMW26	TMW26102018	10/10/18	0.44 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
	TMW26102018FD ^c	10/10/18	0.42 U	0.21 U	0.21 U	0.12 U	0.31 U	0.21 U	0.12 U	0.21 U	0.21 U	0.12 U	0.21 U
	TMW26042018	4/26/18	0.45 U	0.22 U	0.22 U	0.13 UJ	0.33 U	0.22 U	0.13 UJ	0.22 U	0.22 U	0.13 U	0.22 U
	TMW26042018FD ^c	4/26/18	0.44 U	0.22 U	0.22 U	0.13 UJ	0.33 U	0.22 U	0.13 UJ	0.22 U	0.22 U	0.13 U	0.22 U
	TMW26102017	10/17/17	0.46 UJ	0.23 UJ	0.23 UJ	0.14 UJ	0.33 U	0.23 UJ	0.14 UJ	0.23 UJ	0.23 UJ	0.14 UJ	0.23 UJ
	TMW26102017FD ^c	10/17/17	0.46 UJ	0.23 UJ	0.23 UJ	0.14 UJ	0.35 U	0.23 UJ	0.14 UJ	0.23 UJ	0.23 UJ	0.14 UJ	0.23 UJ
	TMW26042017	4/20/17	0.46 U	0.23 U	0.23 U	0.14 U	0.35 U	0.23 U	0.14 U	0.23 U	0.23 U	0.14 U	0.23 U
	DTW26042017 ^c	4/20/17	0.46 U	0.23 U	0.23 U	0.14 U	0.35 U	0.23 U	0.14 U	0.23 U	0.23 U	0.14 U	0.23 U
TMW29	TMW29102018	10/9/18	0.44 U	0.22 U	0.22 U	0.13 U	0.33 U	0.15 J	0.13 U	0.22 U	0.22 U	0.13 U	0.2 J
	TMW29042018	4/23/18	0.50 UJ	0.25 UJ	0.25 UJ	0.15 UJ	0.38 U	0.25 UJ	0.15 UJ	0.25 U	0.25 U	0.15 U	0.25 U
	TMW29102017	10/20/17	0.53 U	0.27 U	0.27 U	0.16 U	0.40 U	0.27 U	0.16 U	0.27 U	0.27 U	0.16 U	0.27 U
	TMW29042017	4/20/17	0.44 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U

Table 5-3: Summary of Explosives Analytical Results (µg/L)

			1,3,5-Trinitro-benzene	1,3-Dinitro-benzene	2,4-Dinitro-toluene	2-Amino-4,6-Dinitro-toluene	3,5-Dinitro-aniline	3-Nitro-toluene	4-Amino-2,6-Dinitro-toluene	HMX	Nitro-benzene	RDX	Tetryl
			CAS 99-35-4	CAS 99-65-0	CAS 121-14-2	CAS 35572-78-2	CAS 618-87-1	CAS 99-08-1	CAS 19406-51-0	CAS 2691-41-0	CAS 98-95-3	CAS 121-82-4	CAS 479-45-8
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^{a,b}										
			590	2.0	2.4	39	38	1.7	39	1000	1.4	9.7	39
TMW31S	TMW31S102018	10/11/18	0.41 U	0.21 U	0.21 U	0.12 U	0.31 U	0.21 U	0.12 U	0.21 U	0.21 U	0.12 U	0.21 U
	TMW31S042018	4/25/18	0.44 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.33 UJ	0.22 UJ	0.13 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.22 UJ
	TMW31S102017	10/25/17	0.50 UJ	0.25 UJ	0.25 UJ	0.15 UJ	0.38 UJ	0.25 UJ	0.15 UJ	0.25 UJ	0.25 UJ	0.15 UJ	0.25 UJ
	TMW31S042017	4/19/17	0.49 U	0.24 U	0.24 U	0.15 U	0.37 U	0.24 U	0.15 U	0.24 U	0.24 U	0.15 U	0.24 U
TMW39S	TMW39S102018	10/11/18	0.40 U	0.20 U	0.20 U	0.12 U	0.30 U	0.20 U	0.12 U	0.20 U	0.20 U	0.12 U	0.20 U
	TMW39S042018	4/25/18	0.44 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.33 UJ	0.22 UJ	0.13 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.22 UJ
	TMW39S102017	10/18/17	0.51 U	0.25 U	0.25 U	0.15 U	0.38 U	0.25 U	0.15 U	0.25 U	0.25 U	0.15 U	0.25 U
	TMW39S042017	4/19/17	0.43 U	0.21 U	0.21 U	0.13 U	0.32 U	0.21 U	0.13 U	0.21 U	0.21 U	0.13 U	0.21 U
TMW40S	TMW40S102018	10/9/18	140 J	0.22 UJ	2.7 J	1.7 J	21 J	0.22 UJ	2.8 J	78	0.22 UJ	1200	0.22 UJ
	TMW40S042018	4/27/18	2.9 J	0.24 U	0.24 U	2.1 J	22 J	0.24 U	1.4 J	62	5.3 J	1000	0.24 U
	TMW40S102017	10/25/17	9.3 J	12 J	0.23 UJ	1.6 J	24 J	0.23 UJ	1.3 J	37 J	4.6 J	1000	0.23 U
	TMW40S042017	4/21/17	47 U	23 U	23 U	14 U	35 U	23 U	14 U	20 J	23 U	1100	23 U
TMW41	TMW41102018	10/11/18	0.43 U	0.21 U	0.21 U	0.13 U	0.32 U	0.21 U	0.13 U	0.21 U	0.21 U	0.13 U	0.21 U
	TMW41042018	4/25/18	0.42 UJ	0.21 UJ	0.21 UJ	0.13 UJ	0.31 U	0.21 UJ	0.13 UJ	0.21 UJ	0.21 U	0.13 UJ	0.21 UJ
	TMW41102017	10/25/17	0.45 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.33 UJ	0.22 UJ	0.13 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.22 UJ
	TMW41042017	4/19/17	0.47 U	0.23 U	0.23 U	0.14 U	0.35 U	0.23 U	0.14 U	0.23 U	0.23 U	0.14 U	0.23 U
TMW43	TMW43102018	10/16/18	0.43 U	0.21 U	0.21 U	0.13 U	0.32 U	0.21 U	0.13 U	0.21 U	0.21 U	3.6	0.21 U
	TMW43102018FD ^c	10/16/18	0.43 U	0.22 U	0.22 U	0.13 U	0.32 U	0.22 U	0.13 U	0.28 J	0.22 U	3.5	0.22 U
	TMW43042018	5/2/18	0.47 U	0.23 U	0.23 U	0.14 UJ	0.35 U	0.23 U	0.14 UJ	0.21 J	0.23 U	3.1	0.23 U
	TMW43042018FD ^c	5/2/18	0.44 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.23 J	0.22 U	3.1	0.22 U
	TMW43102017	10/24/17	0.49 U	0.24 U	0.24 U	0.15 U	0.37 U	0.24 UJ	0.15 U	0.14 J	0.24 U	4.0	0.24 U
	TMW43102017FD ^c	10/24/17	0.44 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.33 UJ	0.22 UJ	0.13 UJ	0.22 UJ	0.22 UJ	3.6 J	0.22 UJ
	TMW43042017	4/27/17	0.45 U	0.22 U	0.22 U	0.13 U	0.34 U	0.35 U	0.13 U	0.21 J	0.30 J	3.8	0.22 U
	DTW43042017 ^c	4/27/17	0.45 U	0.22 U	0.22 U	0.13 U	0.34 U	0.22 U	0.13 U	0.22 U	0.22 U	3.8	0.22 U
TMW44	TMW44102018	10/11/18	0.43 U	0.21 U	0.21 U	0.13 U	0.32 U	0.21 U	21 J	40	0.21 U	0.13 U	0.21 U
	TMW44042018	4/25/18	0.44 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.33 U	0.22 UJ	0.13 UJ	0.22 UJ	0.22 U	0.13 UJ	0.22 UJ
	TMW44102017	10/25/17	9.2 J	0.25 U	0.25 UJ	0.40 J	0.37 U	0.25 UJ	0.15 UJ	0.25 U	0.25 UJ	0.15 U	0.25 U
	TMW44042017	4/19/17	0.49 U	1.0 J	0.24 U	0.15 U	0.36 U	0.24 U	0.15 U	0.24 U	0.24 U	1.4 J	0.24 U
TMW45	TMW45102018	10/17/18	0.45 U	0.23 U	0.23 U	0.14 U	0.34 U	0.23 U	0.14 U	0.23 U	0.23 U	0.14 U	0.23 UJ
	TMW45042018	5/2/18	0.44 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.33 UJ	0.22 UJ	0.13 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.22 UJ
	TMW45102017	10/27/17	0.46 U	0.23 UJ	0.23 UJ	0.14 UJ	0.34 UJ	0.23 UJ	0.14 UJ	0.23 U	0.23 UJ	0.14 U	0.23 UJ
	TMW45042017	4/28/17	0.43 U	0.22 U	0.22 U	0.13 U	0.32 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U

Table 5-3: Summary of Explosives Analytical Results (µg/L)

			1,3,5-Trinitro-benzene	1,3-Dinitro-benzene	2,4-Dinitro-toluene	2-Amino-4,6-Dinitro-toluene	3,5-Dinitro-aniline	3-Nitro-toluene	4-Amino-2,6-Dinitro-toluene	HMX	Nitro-benzene	RDX	Tetryl
			CAS 99-35-4	CAS 99-65-0	CAS 121-14-2	CAS 35572-78-2	CAS 618-87-1	CAS 99-08-1	CAS 19406-51-0	CAS 2691-41-0	CAS 98-95-3	CAS 121-82-4	CAS 479-45-8
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^{a,b}										
			590	2.0	2.4	39	38	1.7	39	1000	1.4	9.7	39
TMW46	TMW46102018	10/10/18	0.43 U	0.21 U	0.21 U	0.13 U	0.32 U	0.21 U	0.13 U	0.21 U	0.21 U	0.13 U	0.21 U
	TMW46042018	4/25/18	0.42 UJ	0.21 UJ	0.21 UJ	0.13 UJ	0.32 UJ	0.21 UJ	0.13 UJ	0.21 UJ	0.21 UJ	0.13 UJ	0.21 UJ
	TMW46102017	10/25/17	0.51 UJ	0.26 UJ	0.26 UJ	0.15 UJ	0.39 UJ	0.26 UJ	0.15 UJ	0.26 UJ	0.26 UJ	0.15 UJ	0.26 UJ
	TMW46042017	4/20/17	0.44 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
TMW47	TMW47102018	10/17/18	0.44 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.73	0.22 U	0.13 U	0.22 UJ
	TMW47042018	5/3/18	0.43 U	0.21 U	0.21 U	0.13 U	0.32 U	0.21 U	0.13 U	0.21 U	0.21 U	0.13 U	0.21 U
	TMW47102017	10/26/17	0.45 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
	TMW47042017	4/25/17	0.49 U	0.25 U	0.25 U	0.15 U	0.37 U	0.25 U	0.15 U	0.25 U	0.25 U	0.15 U	0.25 U
Northern Bedrock Groundwater Zone													
BGMW07	BGMW07102018	10/12/18	0.44 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
	BGMW07042018	4/26/18	0.47 U	0.24 U	0.24 U	0.14 UJ	0.35 U	0.24 U	0.14 UJ	0.24 U	0.24 U	0.14 U	0.24 U
BGMW08	BGMW08102018	10/9/18	0.43 U	0.21 U	0.21 U	0.13 U	0.32 U	0.21 U	0.13 U	0.21 U	0.21 U	0.13 U	0.21 U
	BGMW08072018	7/18/18	0.47 U	0.23 U	0.23 U	0.14 U	0.35 U	0.23 UJ	0.14 UJ	0.23 U	0.23 U	0.14 U	0.23 U
	BGMW08042018	4/1/18					Well was dry and was not sampled						
BGMW09	BGMW09102018	10/10/18	0.44 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
	BGMW09102018FD ^c	10/10/18	0.45 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
	BGMW09042018	5/1/18	0.42 U	0.21 U	0.21 U	0.13 U	0.32 U	0.21 U	0.13 U	0.21 U	0.21 U	0.13 U	0.21 U
BGMW10	BGMW10102018	10/11/18	0.46 U	0.23 U	0.23 U	0.14 U	0.34 U	0.23 U	0.14 U	0.23 U	0.23 U	0.14 U	0.23 U
	BGMW10042018	4/27/18	0.46 U	0.23 U	0.23 U	0.14 UJ	0.35 U	0.23 U	0.14 UJ	0.23 U	0.23 U	0.14 U	0.23 U
TMW02	TMW02102018	10/16/18	0.46 UJ	0.23 UJ	0.23 UJ	0.39 J	0.34 J	0.23 UJ	0.3 J	5.9 J	0.23 UJ	1.6 J	0.23 UJ
	TMW02042018	5/1/18	0.46 UJ	0.23 UJ	0.23 UJ	0.41 J	0.34 J	0.23 UJ	0.40 J	0.23 U	0.23 UJ	0.14 U	0.23 UJ
	TMW02102017	10/24/17	0.44 U	0.22 U	0.22 U	0.17 J	0.30 J	0.53 UJ	0.15 J	0.22 U	0.22 U	0.13 U	0.22 U
	TMW02042017	4/24/17	0.47 U	0.24 U	0.24 U	0.83	0.34 J	0.24 U	0.63	0.24 U	0.24 U	0.56	0.24 U
TMW14A	TMW14A102018	10/15/18	0.43 U	0.21 U	0.21 U	0.13 U	0.32 U	0.21 U	0.13 U	0.21 U	0.21 U	0.13 U	0.21 U
	TMW14A042018	5/3/18	0.42 U	0.21 U	0.21 U	0.13 U	0.31 U	0.21 U	0.13 U	0.21 U	0.21 U	0.13 U	0.21 U
	TMW14A102017	10/26/17	0.45 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
	TMW14A042017	4/27/17	0.44 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
TMW16	TMW16102018	10/19/18	0.48 U	0.24 U	0.24 U	0.14 U	0.36 U	0.24 U	0.14 U	0.24 U	0.24 U	0.14 U	0.24 U
	TMW16042018	4/25/18	0.44 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.33 UJ	0.22 UJ	0.13 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.22 UJ
	TMW16102017	10/20/17	0.46 U	0.23 U	0.23 U	0.14 U	0.34 U	0.23 U	0.14 U	0.23 U	0.23 U	0.14 U	0.23 U
	TMW16042017	4/20/17	0.45 U	0.23 U	0.23 U	0.14 U	0.34 U	0.23 U	0.14 U	0.23 U	0.23 U	0.14 U	0.23 U
TMW18	TMW18102018 ^f	10/18/18	0.42 U	0.21 U	0.21 U	0.13 U	0.32 U	0.21 U	0.13 U	0.21 U	0.21 U	0.13 U	0.21 R
	TMW18042018	4/25/18	0.42 UJ	0.21 UJ	0.21 UJ	0.12 UJ	0.31 U	0.21 UJ	0.12 UJ	0.21 UJ	0.21 U	0.12 UJ	0.21 UJ
	TMW18102017	10/19/17	0.48 UJ	0.24 UJ	0.24 UJ	0.14 UJ	0.36 UJ	0.24 UJ	0.14 UJ	0.24 UJ	0.24 UJ	0.14 UJ	0.24 UJ
	TMW18042017	4/20/17	0.43 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.058 J	0.22 U

Table 5-3: Summary of Explosives Analytical Results (µg/L)

			1,3,5-Trinitro-benzene	1,3-Dinitro-benzene	2,4-Dinitro-toluene	2-Amino-4,6-Dinitro-toluene	3,5-Dinitro-aniline	3-Nitro-toluene	4-Amino-2,6-Dinitro-toluene	HMX	Nitro-benzene	RDX	Tetryl
			CAS 99-35-4	CAS 99-65-0	CAS 121-14-2	CAS 35572-78-2	CAS 618-87-1	CAS 99-08-1	CAS 19406-51-0	CAS 2691-41-0	CAS 98-95-3	CAS 121-82-4	CAS 479-45-8
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^{a,b}										
			590	2.0	2.4	39	38	1.7	39	1000	1.4	9.7	39
TMW19	TMW19102018	10/18/18	0.44 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 UJ
	TMW19042018	4/25/18	0.41 UJ	0.20 UJ	0.20 UJ	0.12 UJ	0.30 UJ	0.20 UJ	0.12 UJ	0.20 UJ	0.20 UJ	0.12 UJ	0.20 UJ
	TMW19102017	10/19/17	0.45 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.34 UJ	0.22 UJ	0.13 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.22 UJ
	TMW19042017	4/20/17	0.43 U	0.21 U	0.21 U	0.13 U	0.32 U	0.21 U	0.13 U	0.21 U	0.21 U	0.13 U	0.21 U
TMW30	TMW30102018	10/11/18	0.44 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
	TMW30042018	4/26/18	0.49 U	0.25 U	0.25 U	0.15 UJ	0.37 U	0.25 U	0.15 UJ	0.25 U	0.25 U	0.15 U	0.25 U
	TMW30102017	10/25/17	0.49 UJ	0.25 UJ	0.25 UJ	0.15 UJ	0.37 UJ	0.25 UJ	0.15 UJ	0.25 UJ	0.25 UJ	0.15 UJ	1.1 J
	TMW30042017	4/19/17	0.47 U	0.23 U	0.23 U	0.14 U	0.35 U	0.23 U	0.14 U	0.23 U	0.23 U	0.14 U	0.23 U
TMW31D	TMW31D102018	10/16/18	0.43 U	0.21 U	0.21 U	0.13 U	0.32 U	0.21 U	0.13 U	0.36 J	0.21 U	0.13 U	0.21 U
	TMW31D102018FD ^c	10/16/18	0.43 U	0.21 U	0.21 U	0.13 U	0.32 U	0.21 U	0.13 U	0.31 J	0.21 U	0.13 U	0.21 U
	TMW31D042018	5/2/18	0.48 U	0.24 U	0.24 U	0.14 U	0.36 U	0.24 U	0.14 U	0.24 U	0.24 U	0.14 U	0.24 U
	TMW31D042018FD ^c	5/2/18	0.48 UJ	0.24 UJ	0.24 UJ	0.14 UJ	0.36 UJ	0.24 UJ	0.14 UJ	0.24 UJ	0.24 UJ	0.14 UJ	0.24 UJ
	TMW31D102017	10/26/17	0.48 U	0.24 U	0.24 U	0.14 U	0.36 U	0.24 U	0.14 U	0.24 U	0.24 U	0.14 U	0.24 U
	TMW31D102017FD ^c	10/26/17	0.45 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
	TMW31D042017	4/27/17	0.43 U	0.22 U	0.22 U	0.13 U	0.32 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
	DTW31D042017 ^c	4/27/17	0.42 U	0.21 U	0.21 U	0.13 U	0.32 U	0.21 U	0.13 U	0.21 U	0.21 U	0.13 U	0.21 U
TMW32	TMW32102018	10/12/18	0.43 U	0.22 U	0.22 U	0.13 U	0.32 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
	TMW32042018	5/1/18	0.45 U	0.23 U	0.23 U	0.14 U	0.34 U	0.23 U	0.14 U	0.23 U	0.23 U	0.14 U	0.23 U
	TMW32102017	10/20/17	0.43 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
	TMW32042017	4/27/17	0.42 U	0.21 U	0.21 U	0.13 U	0.31 U	0.21 U	0.13 U	0.21 U	0.21 U	0.13 U	0.21 U
TMW36	TMW36102018	10/18/18	0.43 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 UJ
	TMW36042018	4/25/18	0.44 UJ	0.22 UJ	0.22 UJ	0.13 UJ	1.5 J	0.22 UJ	0.13 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.22 UJ
	TMW36102017	10/19/17	0.46 U	0.26 J	0.23 UJ	0.14 UJ	0.35 U	0.32 J	0.14 UJ	0.23 U	0.23 U	0.14 U	0.23 U
	TMW36042017	4/20/17	0.43 U	0.21 U	0.21 U	0.13 U	0.32 U	0.21 U	0.13 U	0.21 U	0.21 U	0.13 U	0.21 U
TMW37	TMW37102018	10/18/18	0.41 U	0.20 U	0.20 U	0.12 U	0.31 U	0.20 U	0.12 U	0.20 U	0.20 U	0.12 U	0.20 UJ
	TMW37042018	4/25/18	0.42 UJ	0.21 UJ	0.21 UJ	0.12 UJ	0.31 UJ	0.21 UJ	0.12 UJ	0.21 UJ	0.21 UJ	0.12 UJ	0.21 UJ
	TMW37102017	10/20/17	0.45 U	0.22 U	0.22 U	0.13 U	0.34 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
	TMW37042017	4/20/17	0.43 U	0.22 U	0.22 U	0.13 U	0.32 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
TMW38	TMW38102018	10/19/18	0.45 U	0.23 U	0.23 U	0.14 U	0.34 U	0.23 U	0.14 U	0.23 U	0.23 U	0.14 U	0.23 UJ
	TMW38042018	5/1/18	0.46 U	0.23 U	0.23 U	0.14 U	0.35 U	0.23 U	0.14 U	0.23 U	0.23 U	0.14 U	0.23 U
	TMW38102017	10/26/17	0.43 U	0.22 U	0.22 U	0.13 U	0.32 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
	TMW38042017	4/26/17	0.46 U	0.23 U	0.23 U	0.14 U	0.34 U	0.23 U	0.14 U	0.23 U	0.23 U	0.14 U	0.23 U

Table 5-3: Summary of Explosives Analytical Results (µg/L)

			1,3,5-Trinitro-benzene	1,3-Dinitro-benzene	2,4-Dinitro-toluene	2-Amino-4,6-Dinitro-toluene	3,5-Dinitro-aniline	3-Nitro-toluene	4-Amino-2,6-Dinitro-toluene	HMX	Nitro-benzene	RDX	Tetryl
			CAS 99-35-4	CAS 99-65-0	CAS 121-14-2	CAS 35572-78-2	CAS 618-87-1	CAS 99-08-1	CAS 19406-51-0	CAS 2691-41-0	CAS 98-95-3	CAS 121-82-4	CAS 479-45-8
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^{a,b}										
			590	2.0	2.4	39	38	1.7	39	1000	1.4	9.7	39
TMW39D	TMW39D102018	10/16/18	0.42 U	0.21 U	0.21 U	0.12 U	0.31 U	0.21 U	0.12 U	0.097 J	0.21 U	0.12 U	0.21 U
	TMW39D042018	5/3/18	0.42 U	0.21 U	0.21 U	0.13 U	0.31 U	0.21 U	0.13 U	0.21 U	0.21 U	0.13 U	0.21 U
	TMW39D102017	10/27/17	0.46 U	0.23 UJ	0.23 UJ	0.14 UJ	0.34 UJ	0.23 UJ	0.14 UJ	0.23 U	0.23 UJ	0.14 U	0.23 UJ
	TMW39D042017	4/27/17	0.44 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
TMW40D	TMW40D102018	10/12/18	0.42 U	0.21 U	0.21 U	0.12 U	0.31 U	0.21 U	0.12 U	0.21 U	0.21 U	0.12 U	0.21 U
	TMW40D042018	5/1/18	0.44 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
	TMW40D102017	10/23/17	0.44 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U
	TMW40D042017	4/25/17	0.48 U	0.24 U	0.24 U	0.14 U	0.36 U	0.24 U	0.14 U	0.24 U	0.24 U	0.14 U	0.24 U
TMW48	TMW48102018	10/16/18	0.45 U	0.22 U	0.22 U	0.13 U	0.34 U	0.22 U	0.13 U	0.39 J	0.22 U	0.13 U	0.22 U
	TMW48042018	5/2/18	0.44 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.33 UJ	0.22 UJ	0.13 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.22 UJ
	TMW48102017	10/27/17	0.45 UJ	0.23 UJ	0.23 UJ	0.14 UJ	0.34 UJ	0.23 UJ	0.14 UJ	0.23 UJ	0.23 UJ	0.23 J	0.23 UJ
	TMW48042017	4/26/17	0.48 U	0.24 U	0.24 U	0.14 U	0.36 U	0.24 U	0.14 U	0.24 U	0.24 U	0.14 U	0.24 U
TMW49	TMW49102018	10/17/18	0.43 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.32 UJ	0.22 UJ	0.13 UJ	2.0 J	0.22 UJ	0.13 UJ	0.22 UJ
	TMW49042018	5/4/18	0.44 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.33 UJ	0.22 UJ	0.13 UJ	0.22 UJ	0.22 UJ	0.13 UJ	0.22 UJ
	TMW49102017	10/27/17	0.48 UJ	0.24 UJ	0.24 UJ	0.14 UJ	0.36 UJ	0.24 UJ	0.14 UJ	0.24 UJ	0.24 UJ	0.14 UJ	0.24 UJ
	TMW49042017	4/26/17	0.44 U	0.22 U	0.22 U	0.13 U	0.33 U	0.22 U	0.13 U	0.22 U	0.22 U	0.13 U	0.22 U

Notes:

* Due to potential cross contamination from lab quality control samples, certain LODs were skewed higher than the screening values. All UJ flags with a value significantly greater than the screening value have been bolded.

^a Explosives are analyzed using EPA Method 8330B.

^b EPA Region 6 regional screening levels EPA, May 2019. <https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables>

^c Indicates a field duplicate sample.

^d The original batch containing the sample for TMW06 was spiked incorrectly by the laboratory. A replacement sample volume was collected for TMW06 due to its proximity to the explosives plume. Results from the analysis of this resample are included in this table.

^e Concentration reported at TMW03042017 in April 2017 was 4 µg/L. The concentration has been corrected to 400 µg/L.

^fTMW18 data shown for tetryl were rejected due to TestAmerica Laboratory surrogate recovery

^gEPA Method 8330B was added to the sample matrix for monitoring well TMW13 for the October 2018 sampling event

Bolded values indicate analyte was positively detected above screening values.

Acronyms and Abbreviations:

µg/L = microgram per liter

CAS = Chemical Abstracts Service (registry number)

EPA = U.S. Environmental Protection Agency

HMX = octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine

J = (Estimated) The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to nonconformances discovered during data validation.

Table 5-3: Summary of Explosives Analytical Results (µg/L)

LOD = limit of detection
NA = not analyzed
R = (Rejected) The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.
RDX = hexahydro-1,3,5-trinitro-1,3,5-triazine
tetryl = methyl-2,4,6-trinitrophenylnitramine
U = (Non-detected) The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).
UJ = (Non-detected estimated) The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to nonconformances discovered during data validation.

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Table 5-4: Summary of Perchlorate Analytical Results (µg/L)

			Perchlorate
			CAS 14797-73-0
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^a
			15 ^b
Northern Alluvial Groundwater Zone			
BGMW01	BGMW01102018	10/9/18	0.010 U
	BGMW01042018	04/27/18	0.010 U
	BGMW01102017	10/23/17	0.10 U
	BGMW01042017	4/24/17	0.010 UJ
BGMW02	BGMW02102018	10/11/18	0.68 J
	BGMW02042018	04/26/18	0.59
	BGMW02102017	10/20/17	0.38
	BGMW02042017	4/21/17	0.45 J
BGMW03	BGMW03102018	10/10/18	0.011 J
	BGMW03042018	04/24/18	0.010 U
	BGMW03102017	10/19/17	0.010 U
	BGMW03042017	4/20/17	0.013 J
FW35	Well has been dry since 2015		Not sampled
MW01	MW01102018	10/9/18	0.0045 J
	MW01042018	04/23/18	0.10 U
	MW01102017	10/24/17	0.010 U
	MW01042017	4/19/17	0.010 U
MW02	MW02102018	10/9/18	0.046 J
	MW02042018	04/23/18	0.048 J
	MW02102017	10/24/17	0.058
	MW02042017	4/19/17	0.073
MW03	MW03102018	10/15/18	0.010 U
	MW03042018	04/27/18	0.01 U
	MW03102017	10/23/17	0.10 U
	MW03042017	4/21/17	0.010 UJ
MW18D	MW18D102018	10/10/18	0.010 U
	MW18D042018	04/25/18	0.010 U
	MW18D102017	10/19/17	0.10 U
	MW18D042017	4/20/17	0.050 U
MW18S	Well has been dry since 2011		Not sampled
MW20	MW20102018	10/15/18	0.39
	MW20042018	04/30/18	0.39 J
	MW20102017	10/23/17	0.34 J
	MW20042017	4/24/17	0.23 J
MW22D	MW22D102018	10/12/18	1.5
	MW22D042018	04/27/18	1.2 J
	MW22D102017	10/23/17	0.99 J
	MW22D042017	4/19/17	0.74

Table 5-4: Summary of Perchlorate Analytical Results (µg/L)

			Perchlorate
			CAS
			14797-73-0
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^a
			15 ^b
MW22S	MW22S102018	Well was dry and was not sampled.	
	MW22S042018	Well was dry and was not sampled.	
	MW22S102017	Well was dry and was not sampled.	
	MW22S042017	Well was dry and was not sampled.	
MW23	MW23102018	10/17/18	0.017 J
	MW23102018FD ^c	10/17/18	0.0074 J
	MW23042018	04/24/18	0.010 U
	MW23042018FD ^c	04/24/18	0.010 UJ
	MW23102017	10/18/17	0.010 U
	MW23102017FD ^c	10/18/17	0.010 U
	MW23042017	4/18/17	0.010 U
	DMW23042017 ^c	4/18/17	0.010 U
MW24	MW24102018	10/17/18	0.013 J
	MW24102018FD ^c	10/17/18	0.010 U
	MW24042018	04/23/18	0.010 U
	MW24042018FD ^c	04/23/18	0.010 U
	MW24102017	10/17/17	0.050
	MW24102017FD 01 ^c	10/17/17	0.010 U
	MW24042017	4/17/17	0.010 U
	DMW24042017 ^c	4/17/17	0.010 U
SMW01	SMW01102018	10/12/18	0.023 J
	SMW01042018	04/26/18	0.10 U
	SMW01102017	10/20/17	0.010 U
	SMW01042017	4/21/17	0.010 UJ
TMW01	TMW01102018	10/15/18	300
	TMW01042018	05/04/18	270 J
	TMW01102017	10/27/17	2.9
	TMW01042017	4/25/17	310
TMW03	TMW03102018	10/12/18	0.67 J
	TMW03042018	04/30/18	0.71
	TMW03102017	10/25/17	0.70
	TMW03042017	4/24/17	0.82
TMW04	TMW04102018	10/16/18	0.34
	TMW04042018	05/02/18	0.28
	TMW04102017	10/25/17	0.32 J
	TMW04042017	4/24/17	0.36 J
TMW08	TMW08102018	10/11/18	0.020 UJ
	TMW08042018	04/27/18	0.010 U
	TMW08102017	10/20/17	0.23 J
	TMW08042017	4/21/17	0.050 UJ

Table 5-4: Summary of Perchlorate Analytical Results (µg/L)

			Perchlorate
			CAS
			14797-73-0
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^a
			15 ^b
TMW10	TMW10102018	10/10/18	0.010 U
	TMW10042018	04/24/18	0.010 U
	TMW10102017	10/25/17	0.10 U
	TMW10042017	4/21/17	0.010 UJ
TMW11	TMW11102018	10/11/18	0.039 J
	TMW11042018	05/02/18	0.15
	TMW11102017	10/27/17	0.15
	TMW11042017	4/26/17	0.19
TMW13	TMW13102018	10/15/18	0.1
	TMW13042018	05/01/18	0.12
	TMW13102017	10/26/17	0.1
	TMW13042017	4/25/17	0.11
TMW15	TMW15102018	10/16/18	0.084
	TMW15102018FD ^c	10/16/18	0.09
	TMW15042018	05/03/18	0.085
	TMW15042018FD ^c	05/03/18	0.084
	TMW15102017	10/26/17	0.094
	TMW15102017FD ^c	10/26/17	0.095
	TMW15042017	4/27/17	0.095 J
	DTW15042017 ^c	4/27/17	0.10 J
TMW21	TMW21102018	10/9/18	0.0073 J
	TMW21042018	05/01/18	0.010 U
	TMW21102017	10/25/17	0.010 U
	TMW21042017	4/26/17	0.10 U
TMW22	TMW22102018	10/11/18	0.034 J
	TMW22042018	04/25/18	0.010 U
	TMW22102017	10/25/17	0.010 U
	TMW22042017	4/19/17	0.025 J
TMW23	TMW23102018	10/11/18	0.056 J
	TMW23042018	04/25/18	0.021 J
	TMW23102017	10/19/17	0.044 J
	TMW23042017	4/20/17	0.12 J
TMW24	TMW24102018	10/18/18	0.010 U
	TMW24042018	04/30/18	0.010 U
	TMW24102017	10/24/17	0.010 U
	TMW24042017	4/25/17	0.010 U

Table 5-4: Summary of Perchlorate Analytical Results (µg/L)

			Perchlorate
			CAS 14797-73-0
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^a
			15 ^b
TMW26	TMW26102018	10/10/18	0.010 U
	TMW26102018FD ^c	10/10/18	0.0056 J
	TMW26042018	04/26/18	0.10 U
	TMW26042018FD ^c	04/26/18	0.10 U
	TMW26102017	10/17/17	0.010 U
	TMW26102017FD ^c	10/17/17	0.010 U
	TMW26042017	4/20/17	0.010 UJ
	DTW26042017 ^c	4/20/17	0.010 UJ
TMW27	TMW27102018	10/10/18	0.010 U
	TMW27042018	04/26/18	0.010 U
	TMW27102017	10/20/17	0.010 U
	TMW27042017	4/21/17	0.010 UJ
TMW29	TMW29102018	10/9/18	0.074
	TMW29042018	04/23/18	0.084
	TMW29102017	10/20/17	0.057
	TMW29042017	4/20/17	0.094 J
TMW31S	TMW31S102018	10/11/18	630 J
	TMW31S042018	04/25/18	500
	TMW31S102017	10/25/17	480
	TMW31S042017	4/19/17	490
TMW34	TMW34102018	10/15/18	0.37
	TMW34102018FD ^c	10/15/18	0.36
	TMW34042018	04/27/18	0.23
	TMW34042018FD ^c	04/27/18	0.27
	TMW34102017	10/25/17	0.027 J
	TMW34102017FD ^c	10/25/17	0.03 J
	TMW34042017	4/24/17	0.33
	DTW34042017 ^c	4/24/17	0.32
TMW35	TMW35102018	10/15/18	0.054
	TMW35042018	04/27/18	0.041 J
	TMW35102017	10/23/17	0.10 U
	TMW35042017	4/24/17	0.10 U
TMW39S	TMW39S102018	10/11/18	730 J
	TMW39S042018	04/25/18	380
	TMW39S102017	10/18/17	710
	TMW39S042017	4/19/17	700
TMW40S	TMW40S102018	10/9/18	1.9
	TMW40S042018	04/27/18	2.3
	TMW40S102017	10/27/17	2.2
	TMW40S042017	4/21/17	2.8 J

Table 5-4: Summary of Perchlorate Analytical Results (µg/L)

			Perchlorate
			CAS
			14797-73-0
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^a
			15 ^b
TMW41	TMW41102018	10/11/18	11 J
	TMW41042018	04/25/18	8.8
	TMW41102017	10/25/17	8.1
	TMW41042017	4/19/17	6.5
TMW43	TMW43102018	10/16/18	0.0041 J
	TMW43102018FD ^c	10/16/18	0.010 U
	TMW43042018	05/02/18	0.050 U
	TMW43042018FD ^c	05/02/18	0.010 U
	TMW43102017	10/24/17	0.010 U
	TMW43102017FD ^c	10/24/17	0.010 U
	TMW43042017	4/27/17	0.10 U
	DTW43042017 ^c	4/27/17	0.10 U
TMW44	TMW44102018	10/11/18	0.035 J
	TMW44042018	04/25/18	0.014 J
	TMW44102017	10/25/17	0.10 U
	TMW44042017	4/19/17	0.014 J
TMW45	TMW45102018	10/17/18	0.0083 J
	TMW45042018	05/02/18	0.010 U
	TMW45102017	10/27/17	0.010 U
	TMW45042017	4/28/17	0.10 U
	TMW45102016	11/4/16	0.010 U
TMW46	TMW46102018	10/10/18	0.21
	TMW46042018	04/25/18	0.20
	TMW46102017	10/25/17	0.23 J
	TMW46042017	4/20/17	0.24 J
TMW47	TMW47102018	10/17/18	0.010 U
	TMW47042018	05/03/18	0.010 U
	TMW47102017	10/26/17	0.10 U
	TMW47042017	4/25/17	0.10 U
Northern Bedrock Groundwater Zone			
BGMW07	BGMW07102018	10/12/18	0.04 J
	BGMW07042018	4/26/18	0.010 U
BGMW08	BGMW08102018	10/9/18	0.0076 J
	BGMW08072018	7/18/18	0.0095 J
	BGMW08042018	Well was dry and was not sampled.	
BGMW09	BGMW09102018	10/10/18	0.0057 J
	BGMW09102018FD ^c	10/10/18	0.010 U
	BGMW09042018	5/1/18	0.010 U

Table 5-4: Summary of Perchlorate Analytical Results (µg/L)

			Perchlorate
			CAS 14797-73-0
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^a
			15 ^b
BGMW10	BGMW10102018	10/11/18	0.020 UJ
	BGMW10042018	4/27/18	0.010 U
TMW02	TMW02102018	10/16/18	4.3
	TMW02042018	05/01/18	3.7
	TMW02102017	10/24/17	3.4
	TMW02042017	4/24/17	3.3
TMW16	TMW16102018	10/19/18	0.010 U
	TMW16042018	04/25/18	0.010 U
	TMW16102017	10/20/17	0.010 U
	TMW16042017	4/20/17	0.010 UJ
TMW17	TMW17102018	10/18/18	0.010 U
	TMW17042018	05/03/18	0.010 U
	TMW17102017	10/26/17	0.10 U
	TMW17042017	4/27/17	0.10 U
TMW18	TMW18102018	10/18/18	0.0063 J
	TMW18042018	04/25/18	0.055
	TMW18102017	10/19/17	0.10 U
	TMW18042017	4/20/17	0.010 UJ
TMW19	TMW19102018	10/18/18	0.010 U
	TMW19042018	04/25/18	0.010 U
	TMW19102017	10/19/17	0.010 U
	TMW19042017	4/20/17	0.010 UJ
TMW30	TMW30102018	10/11/18	1100 J
	TMW30042018	04/26/18	1100
	TMW30102017	10/25/17	830
	TMW30042017	4/19/17	1100
TMW31D	TMW31D102018	10/16/18	1200
	TMW31D102018FD ^c	10/16/18	1300
	TMW31D042018	05/02/18	1100
	TMW31D042018FD ^c	05/02/18	1100
	TMW31D102017	10/26/17	1000
	TMW31D102017FD ^c	10/26/17	990
	TMW31D042017	4/27/17	1100 J
	DTW31D042017 ^c	4/27/17	1100 J
TMW32	TMW32102018	10/12/18	380 J
	TMW32042018	05/01/18	520
	TMW32102017	10/20/17	350
	TMW32042017	4/27/17	360

Table 5-4: Summary of Perchlorate Analytical Results (µg/L)

			Perchlorate
			CAS 14797-73-0
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^a
			15 ^b
TMW36	TMW36102018	10/18/18	0.010 U
	TMW36042018	04/25/18	0.17 J
	TMW36102017	10/19/17	0.010 U
	TMW36042017	4/20/17	0.010 UJ
TMW37	TMW37102018	10/18/18	0.010 U
	TMW37042018	04/25/18	0.010 U
	TMW37102017	10/20/17	0.010 U
	TMW37042017	4/20/17	0.010 UJ
TMW38	TMW38102018	10/19/18	0.010 U
	TMW38042018	05/01/18	0.010 U
	TMW38102017	10/26/17	0.10 U
	TMW38042017	4/26/17	0.10 U
TMW39D	TMW39D102018	10/16/18	2.4
	TMW39D042018	05/03/18	41
	TMW39D102017	10/27/17	56
	TMW39D042017	4/27/17	6.0 J
TMW40D	TMW40D102018	10/12/18	260 J
	TMW40D042018	05/01/18	330
	TMW40D102017	10/23/17	230
	TMW40D042017	4/25/17	310
TMW48	TMW48102018	10/16/18	1300
	TMW48042018	05/02/18	860
	TMW48102017	10/27/17	970
	TMW48042017	4/26/17	1100
TMW49	TMW49102018	10/17/18	990
	TMW49042018	05/04/18	1400 J
	TMW49102017	10/27/17	950
	TMW49042017	4/26/17	1500

Notes:

^a Perchlorate is analyzed using EPA Method 6860.

^b EPA drinking water maximum contaminant level: EPA, 2018.

<https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables>

^c Indicates a field duplicate sample.

Bolded values indicate analyte was positively detected above screening values.

Table 5-4: Summary of Perchlorate Analytical Results (µg/L)

Acronyms and Abbreviations:

µg/L = microgram per liter

CAS = Chemical Abstracts Service (registry number)

EPA = U.S. Environmental Protection Agency

J = (Estimated) The compound or analyte was analyzed for and positively identified by the

U = (Non-detected) The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ = (Non-detected estimated) The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to nonconformances discovered during data validation.

Table 5-5: Summary of Volatile Organic Compound Analytical Results (µg/L)

			1,2-Dichloro-ethane	2-butanone	2-hexanone	Acetone	Benzene	Bromo-methane	Carbon disulfide	Chloro-ethane	Chloroform	Chloro-methane	Methyl Acetate	Methyl tert-butyl ether	Methylene chloride	Naphthalene	Styrene	Toluene
			CAS 107-06-2	CAS 78-93-3	CAS 591-78-6	CAS 67-64-1	CAS 71-43-2	CAS 74-83-9	CAS 75-15-0	CAS 75-00-3	CAS 67-66-3	CAS 74-87-3	CAS 79-20-9	CAS 1634-04-4	CAS 75-09-2	CAS 91-20-3	CAS 100-42-5	CAS 108-88-3
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L)															
			5 ^a	5600 ^b	38 ^b	14000 ^b	5 ^a	7.5 ^b	810 ^b	21000 ^b	80 ^c	190 ^b	20000 ^b	100 ^a	5 ^a	30 ^a	100 ^a	1000 ^a
Northern Alluvial Groundwater Zone																		
BGMW01	BGMW01102018	10/9/18	0.50 U	1.0 U	1.0 U	1.1 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 U	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	BGMW01042018	4/27/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	BGMW01102017	10/23/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	BGMW01042017	4/24/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
BGMW02	BGMW02102018	10/11/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	BGMW02042018	4/26/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	BGMW02102017	10/20/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	BGMW02042017	4/21/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.25 U
BGMW03	BGMW03102018	10/10/18	0.50 UJ	1.0 UJ	1.0 UJ	1.0 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	5.0 UJ	0.50 UJ	0.50 U	1.0 U	0.50 U	0.50 U
	BGMW03042018	4/24/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	BGMW03102017	10/19/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	BGMW03042017	4/20/17	0.25 U	1.0 U	0.50 UJ	2.2 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.25 U
FW31	FW31102018	10/9/18	0.50 U	1.0 U	1.0 U	1.2 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 U	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	FW31042018	4/23/18	0.25 U	1.0 U	0.50 U	1.1 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	FW31102017	10/18/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	FW31042017	4/17/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
FW35	Well has been dry since 2015		Well was dry and was not sampled															
MW01	MW01102018	10/9/18	1.0	1.0 U	1.0 U	1.4 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 U	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	MW01042018	4/23/18	1.1 J	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	MW01102017	10/24/17	1.4	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	MW01042017	4/19/17	1.5	1.0 U	0.50 UJ	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.25 U
MW02	MW02102018	10/9/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 U	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	MW02042018	4/23/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	MW02102017	10/24/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	MW02042017	4/19/17	0.25 U	1.0 U	0.50 UJ	3.8 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.25 U
MW03	MW03102018	10/15/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	MW03042018	4/27/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	0.81 J	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	MW03102017	10/23/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	MW03042017	4/21/17	0.25 U	1.0 U	0.50 U	1.3 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.25 U
MW18D	MW18D102018	10/10/18	94	1.0 UJ	1.0 UJ	1.2 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	5.0 UJ	0.50 UJ	0.50 U	1.0 U	0.50 U	0.50 U
	MW18D042018	4/25/18	81 J	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	MW18D102017	10/19/17	92.0	1.0 UJ	0.50 UJ	1.2 UJ	0.25 UJ	0.50 UJ	0.25 UJ	0.25 UJ	0.25 UJ	0.25 UJ	1.0 UJ	0.25 UJ	0.50 UJ	0.25 UJ	0.25 UJ	0.25 UJ
	MW18D042017	4/20/17	95.0 J	1.0 UJ	0.50 UJ	11 UJ	0.25 UJ	0.50 UJ	0.25 UJ	0.25 UJ	0.25 UJ	0.25 UJ	1.0 UJ	0.25 UJ	0.50 UJ	0.25 UJ	0.25 UJ	0.25 UJ
MW18S	Well has been dry since 2011		Well was dry and was not sampled															
MW20	MW20102018	10/15/18	1.7	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	MW20042018	4/30/18	2.3	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	MW20102017	10/23/17	3.4	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	MW20042017	4/24/17	4.0	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U

Table 5-5: Summary of Volatile Organic Compound Analytical Results (µg/L)

			1,2-Dichloro-ethane	2-butanone	2-hexanone	Acetone	Benzene	Bromo-methane	Carbon disulfide	Chloro-ethane	Chloroform	Chloro-methane	Methyl Acetate	Methyl tert-butyl ether	Methylene chloride	Naphthalene	Styrene	Toluene
			CAS 107-06-2	CAS 78-93-3	CAS 591-78-6	CAS 67-64-1	CAS 71-43-2	CAS 74-83-9	CAS 75-15-0	CAS 75-00-3	CAS 67-66-3	CAS 74-87-3	CAS 79-20-9	CAS 1634-04-4	CAS 75-09-2	CAS 91-20-3	CAS 100-42-5	CAS 108-88-3
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L)															
			5 ^a	5600 ^b	38 ^b	14000 ^b	5 ^a	7.5 ^b	810 ^b	21000 ^b	80 ^c	190 ^b	20000 ^b	100 ^a	5 ^a	30 ^a	100 ^a	1000 ^a
MW22D	MW22D102018	10/12/18	0.41 J	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	MW22D042018	4/27/18	0.39 J	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 J	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	MW22D102017	10/23/17	0.44 J	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	MW22D042017	4/19/17	0.57 J	1.0 U	0.50 UJ	1.7 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.25 U
MW22S	MW22S042018	10/1/18	Well was dry and was not sampled															
	MW22S042018	4/1/18	Well was dry and was not sampled															
	MW22S102017	10/2017	Well was dry and was not sampled															
	MW22S042017	04/2017	Well was dry and was not sampled															
MW23	MW23102018	10/17/18	0.50 U	1.0 U	1.0 U	1.8 UJ	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	MW23102018FD ^d	10/17/18	0.50 U	1.0 U	1.0 U	2 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	MW23042018	4/24/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	MW23042018FD ^d	4/24/18	0.25 U	1.0 U	0.50 U	2.4 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	MW23102017	10/18/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	MW23102017FD ^d	10/18/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	MW23042017	4/18/17	0.25 U	1.0 U	0.50 U	0.78 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.36 J	0.25 U	0.25 U
	DMW23042017 ^d	4/18/17	0.25 U	1.0 U	0.50 U	0.57 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
MW24	MW24102018	10/17/18	0.50 UJ	1.0 UJ	1.0 UJ	1.5 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	5.0 UJ	0.50 UJ	0.50 UJ	1.0 UJ	0.50 UJ	0.50 UJ
	MW24102018FD ^d	10/17/18	0.50 UJ	1.0 UJ	1.0 UJ	1.4 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	5.0 UJ	0.50 UJ	0.50 UJ	1.0 UJ	0.50 UJ	0.50 UJ
	MW24042018	4/23/18	0.25 U	1.0 U	0.50 U	1.3 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	MW24042018FD ^d	4/23/18	0.25 U	1.0 U	0.50 U	2.5 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	MW24102017	10/17/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 UJ	0.25 U	0.25 UJ	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	MW24102017FD 01 ^d	10/17/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 UJ	0.25 U	0.25 UJ	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	MW24042017	4/17/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	DMW24042017 ^d	4/17/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
SMW01	SMW01102018	10/12/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	SMW01042018	4/26/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.39 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	SMW01102017	10/20/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	SMW01042017	4/21/17	0.25 U	1.0 U	0.50 U	2.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.25 U
TMW01	TMW01102018	10/15/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.27 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW01042018	5/4/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW01102017	10/27/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	1.3	0.25 U	0.25 U	0.25 U
	TMW01042017	4/25/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
TMW03	TMW03102018	10/12/18	0.50 U	1.0 U	1.0 U	1.4 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW03042018	4/30/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW03102017	10/25/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW03042017	4/24/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
TMW04	TMW04102018	10/16/18	0.50 U	1.0 U	1.0 U	1.3 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW04042018	5/2/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW04102017	10/25/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW04042017	4/24/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U

Table 5-5: Summary of Volatile Organic Compound Analytical Results (µg/L)

			1,2-Dichloro-ethane	2-butanone	2-hexanone	Acetone	Benzene	Bromo-methane	Carbon disulfide	Chloro-ethane	Chloroform	Chloro-methane	Methyl Acetate	Methyl tert-butyl ether	Methylene chloride	Naphthalene	Styrene	Toluene
			CAS 107-06-2	CAS 78-93-3	CAS 591-78-6	CAS 67-64-1	CAS 71-43-2	CAS 74-83-9	CAS 75-15-0	CAS 75-00-3	CAS 67-66-3	CAS 74-87-3	CAS 79-20-9	CAS 1634-04-4	CAS 75-09-2	CAS 91-20-3	CAS 100-42-5	CAS 108-88-3
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L)															
			5 ^a	5600 ^b	38 ^b	14000 ^b	5 ^a	7.5 ^b	810 ^b	21000 ^b	80 ^c	190 ^b	20000 ^b	100 ^a	5 ^a	30 ^a	100 ^a	1000 ^a
TMW06	TMW06102018	10/12/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW06042018	4/30/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW06102017	10/17/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 UJ	0.25 U	0.25 UJ	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW06042017	4/20/17	0.25 U	1.0 U	0.50 UJ	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.25 U
TMW07	TMW07102018	10/10/18	0.50 UJ	1.0 UJ	1.0 UJ	1.0 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	5.0 UJ	0.50 UJ	0.50 U	1.0 U	0.50 U	0.50 U
	TMW07042018	4/25/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW07102017	10/19/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW07042017	4/20/17	0.25 U	1.0 U	0.50 UJ	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.25 U
TMW08	TMW08102018	10/11/18	0.50 U	1.0 U	1.0 U	1.6 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW08042018	4/27/18	0.25 U	1.0 U	0.50 U	12	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.7 J	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW08102017	10/20/17	0.50 U	2.0 U	1.0 U	2.1 U	0.50 U	0.69 J	0.50 U	0.25 U	0.50 U	0.50 U	2.0 UJ	0.50 U	1.0 U	0.50 U	0.50 U	0.50 U
	TMW08042017	4/21/17	0.25 U	1.0 U	0.50 U	4.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.25 U
TMW10	TMW10102018	10/10/18	0.50 UJ	1.0 UJ	1.0 UJ	1.0 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	5.0 UJ	0.50 UJ	0.50 U	1.0 U	0.50 U	0.50 U
	TMW10042018	4/24/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW10102017	10/25/17	0.25 U	1.0 U	0.50 U	1.7 J	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW10042017	4/21/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.25 U
TMW11	TMW11102018	10/11/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW11042018	5/2/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW11102017	10/27/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	1.1	0.25 U	0.25 U	0.25 U
	TMW11042017	4/26/17	0.25 U	1.0 U	0.50 U	1.3 UJ	0.25 U	0.50 U	0.69 J	0.50 J	0.25 U	0.50 J	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
TMW13	TMW13102018	10/15/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW13042018	5/1/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW13102017	10/26/17	0.25 U	1.0 U	0.50 UJ	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW13042017	4/25/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
TMW15	TMW15102018	10/16/18	0.50 U	1.0 U	1.0 U	0.98 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW15102018FD ^d	10/16/18	0.50 U	1.0 U	1.0 U	1.2 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW15042018	5/3/18	0.25 U	1.0 U	0.50 U	1.3 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW15042018FD ^d	5/3/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW15102017	10/26/17	0.25 U	1.0 U	0.50 UJ	1.4 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW15102017FD ^d	10/26/17	0.25 U	1.0 U	0.50 UJ	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW15042017	4/27/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	DTW15042017 ^d	4/27/17	0.25 U	1.0 U	0.50 U	1.2 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
TMW21	TMW21102018	10/9/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 U	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW21042018	5/1/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW21102017	10/25/17	0.25 U	1.0 U	0.50 U	0.81 J	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW21042017	4/26/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
TMW22	TMW22102018	10/11/18	0.50 U	1.0 U	1.0 U	1.4 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW22042018	4/25/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW22102017	10/25/17	0.25 U	1.0 U	0.50 U	0.65 J	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW22042017	4/19/17	0.25 U	1.0 U	0.50 UJ	9.9 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.25 U

Table 5-5: Summary of Volatile Organic Compound Analytical Results (µg/L)

			1,2-Dichloro-ethane	2-butanone	2-hexanone	Acetone	Benzene	Bromo-methane	Carbon disulfide	Chloro-ethane	Chloroform	Chloro-methane	Methyl Acetate	Methyl tert-butyl ether	Methylene chloride	Naphthalene	Styrene	Toluene
			CAS 107-06-2	CAS 78-93-3	CAS 591-78-6	CAS 67-64-1	CAS 71-43-2	CAS 74-83-9	CAS 75-15-0	CAS 75-00-3	CAS 67-66-3	CAS 74-87-3	CAS 79-20-9	CAS 1634-04-4	CAS 75-09-2	CAS 91-20-3	CAS 100-42-5	CAS 108-88-3
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L)															
			5 ^a	5600 ^b	38 ^b	14000 ^b	5 ^a	7.5 ^b	810 ^b	21000 ^b	80 ^c	190 ^b	20000 ^b	100 ^a	5 ^a	30 ^a	100 ^a	1000 ^a
TMW23	TMW23102018	10/11/18	0.50 U	1.0 U	1.0 U	1.3 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW23042018	4/25/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW23102017	10/19/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW23042017	4/20/17	0.25 U	1.0 U	0.50 UJ	1.9 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.25 U
TMW24	TMW24102018	10/18/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.33 J	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW24042018	4/30/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW24102017	10/24/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW24042017	4/25/17	0.25 U	1.0 U	0.50 U	1.9 J	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
TMW25	TMW25102018	10/16/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW25042018	4/30/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW25102017	10/25/17	0.25 UJ	1.0 UJ	0.50 UJ	1.0 UJ	0.25 UJ	0.50 UJ	0.25 UJ	0.25 UJ	0.25 UJ	0.25 UJ	1.0 UJ	0.25 UJ	0.50 UJ	0.25 UJ	0.25 UJ	0.25 UJ
	TMW25042017	4/27/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
TMW26	TMW26102018	10/10/18	0.50 UJ	1.0 UJ	1.0 UJ	1.0 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	5.0 UJ	0.50 UJ	0.50 U	1.0 U	0.50 U	0.50 U
	TMW26102018FD ^d	10/10/18	0.50 UJ	1.0 UJ	1.0 UJ	1.0 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	5.0 UJ	0.50 UJ	0.50 U	1.0 U	0.50 U	0.50 U
	TMW26042018	4/26/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW26042018FD ^d	4/26/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW26102017	10/17/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 UJ	0.25 U	0.25 UJ	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW26102017FD ^b	10/17/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW26042017	4/20/17	0.25 U	1.0 U	0.50 UJ	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.25 U
TMW27	DTW26042017 ^d	4/20/17	0.25 U	1.0 U	0.50 UJ	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.25 U
	TMW27102018	10/10/18	0.50 UJ	1.0 UJ	1.0 UJ	1.0 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	5.0 UJ	0.50 UJ	0.50 U	1.0 U	0.50 U	0.50 U
	TMW27042018	4/26/18	0.25 U	1.0 U	0.50 U	3.9 J	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW27102017	10/20/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW27042017	4/21/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.25 U
	TMW28102018	10/9/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.97 J	0.50 U	0.50 U	0.50 U	5.0 U	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW28042018	4/26/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.41 UJ	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
TMW28	TMW28102017	10/20/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW28042017	4/24/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
TMW29	TMW29102018	10/9/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 U	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW29042018	4/23/18	0.25 U	1.0 U	0.50 U	2.2 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	0.93 J	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW29102017	10/20/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW29042017	4/20/17	0.25 U	1.0 U	0.50 UJ	1.2 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.25 U
TMW31S	TMW31S102018	10/11/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW31S042018	4/25/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.1 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW31S102017	10/25/17	0.25 U	1.0 U	0.50 U	0.74 J	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW31S042017	4/19/17	0.25 U	1.0 U	0.50 UJ	1.8 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.25 U
TMW33	TMW33102018	10/10/18	40 J	1.0 UJ	1.0 UJ	1.0 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	5.0 UJ	0.50 UJ	0.50 U	1.0 U	0.50 U	0.50 U
	TMW33042018	4/25/18	36	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW33102017	10/20/17	35	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW33042017	4/20/17	38.0	1.0 U	0.50 UJ	2.5 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.25 U

Table 5-5: Summary of Volatile Organic Compound Analytical Results (µg/L)

			1,2-Dichloro-ethane	2-butanone	2-hexanone	Acetone	Benzene	Bromo-methane	Carbon disulfide	Chloro-ethane	Chloroform	Chloro-methane	Methyl Acetate	Methyl tert-butyl ether	Methylene chloride	Naphthalene	Styrene	Toluene
			CAS 107-06-2	CAS 78-93-3	CAS 591-78-6	CAS 67-64-1	CAS 71-43-2	CAS 74-83-9	CAS 75-15-0	CAS 75-00-3	CAS 67-66-3	CAS 74-87-3	CAS 79-20-9	CAS 1634-04-4	CAS 75-09-2	CAS 91-20-3	CAS 100-42-5	CAS 108-88-3
			Screening Value (µg/L)															
Well Name	Sample Identifier	Sample Date	5 ^a	5600 ^b	38 ^b	14000 ^b	5 ^a	7.5 ^b	810 ^b	21000 ^b	80 ^c	190 ^b	20000 ^b	100 ^a	5 ^a	30 ^a	100 ^a	1000 ^a
TMW34	TMW34102018	10/15/18	0.50 U	1.0 U	1.0 U	1.7 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW34102018FD ^d	10/15/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW34042018	4/27/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.2 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW34042018FD ^d	4/27/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW34102017	10/25/17	0.25 U	1.0 U	0.50 U	1.3 J	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW34102017FD ^d	10/25/17	0.25 U	1.0 U	0.50 U	0.68 J	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW34042017	4/24/17	0.25 U	1.0 U	0.50 U	2.3 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	DTW34042017 ^d	4/24/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
TMW35	TMW35102018	10/15/18	0.88 J	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW35042018	4/27/18	0.94 J	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW35102017	10/23/17	1.2	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW35042017	4/24/17	1.4	1.0 U	0.50 U	1.8 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
TMW39S	TMW39S102018	10/11/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW39S042018	4/25/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.4 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW39S102017	10/18/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW39S042017	4/19/17	0.25 U	1.0 U	0.50 UJ	3.4 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.25 U
TMW40S	TMW40S102018	10/9/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 U	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW40S042018	4/27/18	0.25 U	1.0 U	0.50 U	14 J	0.25 U	0.50 U	0.25 U	0.25 U	0.21 J	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW40S102017	10/26/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.20 J	0.25 U	1.0 UJ	0.25 U	2.0	0.25 U	0.25 U	0.25 U
	TMW40S042017	4/25/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.24 J	0.25 U	1.0 U	0.25 U	1.0	0.25 U	0.25 U	0.25 U
TMW41	TMW41102018	10/11/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW41042018	4/25/18	0.25 U	1.0 U	0.50 U	1.6 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW41102017	10/25/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW41042017	4/19/17	0.25 U	1.0 U	0.50 UJ	3.8 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.25 U
TMW43	TMW43102018	10/16/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW43102018FD ^d	10/16/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW43042018	5/2/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW43042018FD ^d	5/2/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW43102017	10/24/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW43102017FD ^d	10/24/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW43042017	4/27/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	DTW43042017 ^d	4/27/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
TMW44	TMW44102018	10/11/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.26 J	0.50 U	0.50 U	0.50 UJ	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW44042018	4/25/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW44102017	10/25/17	0.25 U	1.0 U	0.50 U	0.55 J	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW44042017	4/19/17	0.25 U	1.0 U	0.50 UJ	5.7 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.25 U
TMW45	TMW45102018	10/17/18	0.50 UJ	1.0 UJ	1.0 U	1.6 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	5.0 UJ	0.50 UJ	0.50 UJ	1.0 U	0.50 U	0.50 U
	TMW45042018	5/2/18	0.25 UJ	1.0 UJ	0.50 UJ	1.0 UJ	0.25 UJ	0.50 UJ	0.25 UJ	0.25 UJ	0.25 UJ	0.25 UJ	1.0 UJ	0.25 UJ	0.50 UJ	0.25 UJ	0.25 UJ	0.25 UJ
	TMW45102017	10/27/17	0.25 UJ	1.0 UJ	0.50 UJ	1.7 UJ	0.25 UJ	0.50 UJ	0.25 UJ	0.25 UJ	0.25 UJ	0.25 UJ	1.0 UJ	0.25 UJ	1.4 J	0.25 UJ	0.25 UJ	0.25 UJ
	TMW45042017	4/28/17	0.25 U	1.0 U	0.50 U	1.9 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U

Table 5-5: Summary of Volatile Organic Compound Analytical Results (µg/L)

			1,2-Dichloro-ethane	2-butanone	2-hexanone	Acetone	Benzene	Bromo-methane	Carbon disulfide	Chloro-ethane	Chloroform	Chloro-methane	Methyl Acetate	Methyl tert-butyl ether	Methylene chloride	Naphthalene	Styrene	Toluene
			CAS 107-06-2	CAS 78-93-3	CAS 591-78-6	CAS 67-64-1	CAS 71-43-2	CAS 74-83-9	CAS 75-15-0	CAS 75-00-3	CAS 67-66-3	CAS 74-87-3	CAS 79-20-9	CAS 1634-04-4	CAS 75-09-2	CAS 91-20-3	CAS 100-42-5	CAS 108-88-3
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L)															
			5 ^a	5600 ^b	38 ^b	14000 ^b	5 ^a	7.5 ^b	810 ^b	21000 ^b	80 ^c	190 ^b	20000 ^b	100 ^a	5 ^a	30 ^a	100 ^a	1000 ^a
TMW46	TMW46102018	10/10/18	0.50 UJ	1.0 UJ	1.0 UJ	1.5 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	5.0 UJ	0.50 UJ	0.50 U	1.0 U	0.50 U	0.50 U
	TMW46042018	4/25/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.5 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW46102017	10/25/17	0.25 U	1.0 U	0.50 U	1.3 J	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW46042017	4/20/17	0.25 U	1.0 U	0.50 UJ	3.6 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.25 U
TMW47	TMW47102018	10/17/18	0.50 U	1.0 U	1.0 U	1.0 UJ	0.50 U	0.50 U	3.5	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW47042018	5/3/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	1.5 J	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW47102017	10/26/17	0.25 U	1.0 U	0.50 UJ	1.0 U	0.25 U	0.50 U	3.3	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW47042017	4/25/17	0.25 U	1.0 U	0.50 U	1.4 J	0.25 U	0.50 U	2.6	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
Northern Bedrock Groundwater Zone																		
BGMW07	BGMW07102018	10/12/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	BGMW07042018	4/26/18	0.25 U	1.0 U	0.50 U	15 U	0.25 U	0.50 U	0.38 J	0.25 U	0.17 J	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
BGMW08	BGMW08102018	10/9/18	0.50 U	1.5 U	0.59 J	4.9 U	0.26 J	0.50 U	0.84 U	0.50 U	0.50 U	0.50 U	5.0 U	0.50 U	0.50 U	1.0 U	0.50 U	0.21 J
	BGMW08072018	7/18/2018	0.50 U	1.0 U	1.0 UJ	6.5 U	0.27 J	0.50 U	0.38 J	0.50 U	0.50 U	0.50 U	5.0 U	0.50 U	0.50 U	1.0 U	0.50 U	0.21 J
	BGMW08042018	4/1/18	Well was dry and was not sampled															
BGMW09	BGMW09102018	10/10/18	0.50 U	1.0 U	1.0 U	1.7 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	BGMW09102018FD ^d	10/10/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	BGMW09042018	5/1/18	0.25 U	1.0 U	0.50 U	2.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
BGMW10	BGMW10102018	10/11/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	BGMW10042018	4/27/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.9 J	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
TMW02	TMW02102018	10/16/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW02042018	5/1/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW02102017	10/24/17	0.25 U	1.0 U	0.50 U	6.8 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW02042017	4/24/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
TMW14A	TMW14A102018	10/15/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW14A042018	5/3/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.24 J	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW14A102017	10/26/17	0.25 U	1.0 U	0.50 UJ	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW14A042017	4/27/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.26 J	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
TMW16	TMW16102018	10/19/18	0.50 U	1.0 U	1.0 U	1.7 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW16042018	4/25/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.14 J
	TMW16102017	10/20/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW16042017	4/20/17	0.25 U	1.0 U	0.50 UJ	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.14 J
TMW17	TMW17102018	10/18/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.26 J	0.50 U	0.50 U	0.49 J	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW17042018	5/3/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.31 J	0.25 U	0.25 U	0.39 J	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW17102017	10/26/17	0.25 U	1.0 U	0.50 UJ	1.0 U	0.25 U	0.50 U	0.28 J	0.25 U	0.25 U	0.56 J	1.0 UJ	0.25 U	0.50 U	0.25 U	0.30 J	0.25 U
	TMW17042017	4/27/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
TMW18	TMW18102018	10/18/18	0.50 U	1.0 U	1.0 U	1.2 J	0.50 U	0.50 U	0.86 J	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.44 J
	TMW18042018	4/25/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.69 J
	TMW18102017	10/19/17	0.25 U	0.47 J	0.50 U	1.9 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	1.3
	TMW18042017	4/20/17	0.25 U	1.0 U	0.50 UJ	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.72 J

Table 5-5: Summary of Volatile Organic Compound Analytical Results (µg/L)

			1,2-Dichloro-ethane	2-butanone	2-hexanone	Acetone	Benzene	Bromo-methane	Carbon disulfide	Chloro-ethane	Chloroform	Chloro-methane	Methyl Acetate	Methyl tert-butyl ether	Methylene chloride	Naphthalene	Styrene	Toluene
			CAS 107-06-2	CAS 78-93-3	CAS 591-78-6	CAS 67-64-1	CAS 71-43-2	CAS 74-83-9	CAS 75-15-0	CAS 75-00-3	CAS 67-66-3	CAS 74-87-3	CAS 79-20-9	CAS 1634-04-4	CAS 75-09-2	CAS 91-20-3	CAS 100-42-5	CAS 108-88-3
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L)															
			5 ^a	5600 ^b	38 ^b	14000 ^b	5 ^a	7.5 ^b	810 ^b	21000 ^b	80 ^c	190 ^b	20000 ^b	100 ^a	5 ^a	30 ^a	100 ^a	1000 ^a
TMW19	TMW19102018	10/18/18	0.50 U	1.0 U	1.0 U	1.3 J	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW19042018	4/25/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW19102017	10/19/17	0.25 U	1.0 U	0.50 U	1.2 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW19042017	4/20/17	0.25 U	1.0 U	0.50 UJ	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.25 U
TMW30	TMW30102018	10/11/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW30042018	4/26/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW30102017	10/25/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW30042017	4/19/17	0.25 U	1.0 U	0.50 UJ	3.6 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.25 U
TMW31D	TMW31D102018	10/16/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW31D102018FD ^d	10/16/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW31D042018	5/2/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW31D042018FD ^d	5/2/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.37 J	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW31D102017	10/26/17	0.25 U	1.0 U	0.50 UJ	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW31D102017FD ^d	10/26/17	0.25 U	1.0 U	0.50 UJ	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW31D042017	4/27/17	0.25 U	1.0 U	0.50 U	1.6 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	DTW31D042017 ^d	4/27/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
TMW32	TMW32102018	10/12/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW32042018	5/1/18	0.25 U	1.0 U	0.50 U	0.94 J	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.6 J	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW32102017	10/20/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW32042017	4/27/17	0.25 U	1.0 U	0.50 U	1.8 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
TMW36	TMW36102018	10/18/18	0.50 U	1.0 U	1.0 U	1.2 J	0.50 U	0.50 U	0.38 J	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW36042018	4/25/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW36102017	10/19/17	0.25 U	1.0 U	0.50 U	1.3 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	5.1
	TMW36042017	4/20/17	0.25 U	1.0 U	0.50 UJ	1.1 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.25 U
TMW37	TMW37102018	10/18/18	0.50 U	1.0 U	1.0 U	9.3	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW37042018	4/25/18	0.25 U	1.0 U	0.50 U	3.0	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.69 J
	TMW37102017	10/20/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.18 J
	TMW37042017	4/20/17	0.25 U	1.0 U	0.50 UJ	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 UJ	0.25 U	0.21 J
TMW38	TMW38102018	10/19/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW38042018	5/1/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	1.9 J	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW38102017	10/26/17	0.25 U	1.0 U	0.50 UJ	1.0 U	0.25 U	0.50 U	1.3 J	2.9	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW38042017	4/26/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	1.1 J	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
TMW39D	TMW39D102018	10/16/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW39D042018	5/3/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW39D102017	10/27/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.91 J	0.25 U	0.25 U	0.25 U
	TMW39D042017	4/27/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
TMW40D	TMW40D102018	10/12/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW40D042018	5/1/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW40D102017	10/23/17	0.25 U	1.0 U	0.50 U	1.9 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW40D042017	4/25/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U

Table 5-5: Summary of Volatile Organic Compound Analytical Results (µg/L)

			1,2-Dichloro-ethane	2-butanone	2-hexanone	Acetone	Benzene	Bromo-methane	Carbon disulfide	Chloro-ethane	Chloroform	Chloro-methane	Methyl Acetate	Methyl tert-butyl ether	Methylene chloride	Naphthalene	Styrene	Toluene
			CAS 107-06-2	CAS 78-93-3	CAS 591-78-6	CAS 67-64-1	CAS 71-43-2	CAS 74-83-9	CAS 75-15-0	CAS 75-00-3	CAS 67-66-3	CAS 74-87-3	CAS 79-20-9	CAS 1634-04-4	CAS 75-09-2	CAS 91-20-3	CAS 100-42-5	CAS 108-88-3
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L)															
			5 ^a	5600 ^b	38 ^b	14000 ^b	5 ^a	7.5 ^b	810 ^b	21000 ^b	80 ^c	190 ^b	20000 ^b	100 ^a	5 ^a	30 ^a	100 ^a	1000 ^a
TMW48	TMW48102018	10/16/18	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW48042018	5/2/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW48102017	10/27/17	0.25 UJ	1.0 UJ	0.50 UJ	1.0 UJ	0.25 UJ	0.50 UJ	0.25 UJ	0.25 UJ	0.25 UJ	0.25 UJ	1.0 UJ	0.25 UJ	0.50 UJ	0.25 UJ	0.25 UJ	0.25 UJ
	TMW48042017	4/26/17	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
TMW49	TMW49102018	10/17/18	0.50 U	1.0 U	1.0 U	1.0 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	5.0 UJ	0.50 U	0.50 U	1.0 U	0.50 U	0.50 U
	TMW49042018	5/4/18	0.25 U	1.0 U	0.50 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.59 J	0.50 U	0.25 U	0.25 U	0.25 U
	TMW49102017	10/27/17	0.25 U	1.0 U	0.50 UJ	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 UJ	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U
	TMW49042017	4/26/17	0.25 U	1.0 U	0.50 U	2.3 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U	0.25 U	1.0 U	0.25 U	0.50 U	0.25 U	0.25 U	0.25 U

Notes:

- ^a New Mexico Water Quality Control Commission standard - NMAC 20.6.2.3103
- ^b EPA Region 6 regional screening levels: EPA, May 2019. <https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables>
- ^c EPA maximum contaminant level - 40 CFR Parts 141, 142, and 143
- ^d Indicates a field duplicate sample

Bold indicates analyte was positively detected above screening values.

Acronyms and Abbreviations:

- µg/L = microgram per liter
- CAS = Chemical Abstracts Service (registry number)
- CFR = Code of Federal Regulations
- EPA = U.S. Environmental Protection Agency
- J = (Estimated) The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to nonconformances discovered during data validation.
- NMAC = New Mexico Administrative Code
- U = (Non-detected) The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ = (Non-detected estimated) The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to nonconformances discovered during data validation.

Table 5-6: Summary of Semivolatile Organic Compounds and Total Petroleum Hydrocarbons Analytical Results (µg/L)

Well Name	Sample Identifier	Sample Date	Diesel Range Organics ^a	Gasoline Range Organics ^g	1,2,4-trichloro-benzene	1,2-dichloro-benzene	1,3-dichloro-benzene	1,4-dichloro-benzene	2,4-Dinitro-phenol	2-chloro-naphthalene	2-methyl-naphthalene	2-nitro-aniline	4-Nitro-phenol	Aceto-phenone	Benzyl alcohol	Bis (2-ethylhexyl) phthalate	Diethyl phthalate	Dimethyl phthalate	Naphthalene	Nitrobenzene	Phenanthrene
			CAS DRO	CAS GRO	CAS 120-82-1	CAS 95-50-1	CAS 541-73-1	CAS 106-46-7	CAS 51-28-5	CAS 91-58-7	CAS 91-57-6	CAS 88-74-4	CAS 100-02-7	CAS 98-86-2	CAS 100-51-6	CAS 117-81-7	CAS 84-66-2	CAS 131-11-3	CAS 91-20-3	CAS 98-95-3	CAS 85-01-8
			mg/L ^a	Screening Value (µg/L) ^b																	
			0.0167 ^a	10.1 ^g	70 ^f	600 ^f	75 ^f	75 ^f	39 ^e	750 ^e	30 ^f	190 ^e	91 ^e	1900 ^e	2000 ^e	6 ^d	15000 ^e	15000 ^e	30 ^f	1.4 ^e	NE
Northern Alluvial Groundwater Zone																					
BGMW01	BGMW01102018	10/9/18	NA	NA	1.0 U	0.51 U	1.0 U	1.0 U	30 U	1.0 U	1.0 U	4.4 U	4.0 U	0.51 U	0.51 U	2.0 U	1.0 U	0.51 U	1.0 U	2.0 U	1.0 U
	BGMW01042018	4/27/18	NA	NA	4.9 U	4.9 U	4.9 U	4.9 U	18 U	1.1 U	1.1 U	2.2 U	4.4 UJ	2.2 U	1.1 U	4.9 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U
	BGMW01102017	10/23/17	NA	NA	5.0 U	5.0 U	5.0 U	5.0 U	18 U	1.1 U	1.1 U	2.3 U	4.5 UJ	2.3 U	1.1 U	5.0 U	2.3 U	2.3 U	1.1 U	1.1 U	1.1 U
	BGMW01042017	4/24/17	NA	NA	1.1 U	0.56 U	1.1 U	1.1 U	33 U	1.1 U	1.1 U	4.9 U	4.5 U	0.56 U	0.56 U	2.2 U	1.1 U	0.56 U	1.1 U	2.2 U	1.1 U
BGMW02	BGMW02102018	10/11/18	NA	NA	0.98 U	0.49 U	0.98 U	0.98 U	30 U	0.98 U	0.98 U	4.3 U	3.9 U	0.49 U	0.49 U	2.0 U	0.98 U	0.49 U	0.98 U	2.0 U	0.98 U
	BGMW02042018	4/26/18	NA	NA	4.7 U	4.7 U	4.7 U	4.7 U	17 U	1.1 U	1.1 U	2.1 U	4.3 UJ	2.1 U	1.1 U	4.7 U	2.1 U	2.1 U	1.1 U	1.1 U	1.1 U
	BGMW02102017	10/20/17	NA	NA	5.3 U	5.3 U	5.3 U	5.3 U	19 U	1.2 U	1.2 U	2.4 U	4.8 UJ	2.4 U	1.2 U	5.3 U	2.4 U	2.4 U	1.2 U	1.2 U	1.2 U
	BGMW02042017	4/21/17	NA	NA	1.1 U	0.55 U	1.1 U	1.1 U	33 U	1.1 U	1.1 U	4.9 U	4.4 U	0.55 U	0.55 U	2.2 U	1.1 U	0.55 U	1.1 U	2.2 U	1.1 U
BGMW03	BGMW03102018	10/10/18	NA	NA	1.0 U	0.51 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.5 U	4.1 U	0.51 U	0.51 U	2.0 U	1.0 U	0.51 U	1.0 U	2.0 U	1.0 U
	BGMW03042018	4/24/18	NA	NA	4.9 U	4.9 U	4.9 U	4.9 U	18 U	1.1 U	1.1 U	2.2 U	4.5 UJ	2.2 U	1.1 U	4.9 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U
	BGMW03102017	10/19/17	NA	NA	4.7 U	4.7 U	4.7 U	4.7 U	17 U	1.1 U	1.1 U	2.1 U	4.3 UJ	2.1 U	1.1 U	4.7 U	2.1 U	2.1 U	1.1 U	1.1 U	1.1 U
	BGMW03042017	4/20/17	NA	NA	1.1 U	0.53 U	1.1 U	1.1 U	32 U	1.1 U	1.1 U	4.7 U	4.3 U	0.53 U	0.53 U	2.1 U	1.1 U	0.53 U	1.1 U	2.1 U	1.1 U
FW31	FW31102018	10/9/18	NA	NA	1.1 U	0.54 U	1.1 U	1.1 U	32 U	1.1 U	1.1 U	4.7 U	4.3 U	0.54 U	0.54 U	2.2 U	1.1 U	0.54 U	1.1 U	2.2 U	1.1 U
	FW31042018	4/23/18	NA	NA	4.6 U	4.6 U	4.6 U	4.6 U	17 U	1.0 U	1.0 U	2.1 U	4.2 UJ	2.1 U	1.0 U	4.6 U	2.1 U	2.1 U	1.0 U	1.0 U	1.0 U
	FW31102017	10/18/17	NA	NA	1.0 U	0.52 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.5 U	4.1 U	0.52 U	0.52 U	2.1 U	1.0 U	0.52 U	1.0 U	2.1 U	1.0 U
	FW31042017	4/17/17	NA	NA	1.1 U	0.57 U	1.1 U	1.1 U	34 U	1.1 U	1.1 U	5.0 U	4.5 U	0.57 U	0.57 U	2.2 J	1.1 U	0.57 U	1.1 U	2.3 U	1.1 U
FW35	Well has been dry since 2015		Well was dry and was not sampled																		
MW01	MW01102018	10/9/18	0.12 U	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW01042018	4/23/18	0.092 U	23 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW01102017	10/24/17	0.13 J	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW01042017	4/19/17	53 J	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW02	MW02102018	10/9/18	0.052 J	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW02042018	4/23/18	0.080 U	14 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW02102017	10/24/17	0.070 J	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW02042017	4/19/17	82 J	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW03	MW03102018	10/15/18	0.12 U	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW03042018	4/27/18	0.048 J	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW03102017	10/23/17	0.12 U	1300 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW03042017	4/21/17	39 U	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW18D	MW18D102018	10/10/18	0.12 U	47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW18D042018	4/25/18	0.091 U	41 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW18D102017	10/19/17	0.067 J	43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	MW18D042017	4/20/17	84 J	31 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW18S	Well has been dry since 2011		Well was dry and was not sampled																		
MW20	MW20102018	10/15/18	0.06 J	25 UJ	1.0 U	0.52 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.6 U	4.2 UJ	0.52 U	0.52 U	2.1 U	1.0 U	0.52 U	1.0 U	2.1 U	1.0 U
	MW20042018	4/30/18	0.063 J	10 J	4.8 U	4.8 U	4.8 U	4.8 U	17 U	1.1 U	1.1 U	2.2 U	4.3 UJ	2.2 U	1.1 U	4.8 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U
	MW20102017	10/23/17	0.12 U	1300 U	4.9 U	4.9 U	4.9 U	4.9 U	18 U	1.1 U	1.1 U	2.2 U	4.5 UJ	2.2 U	1.1 U	4.9 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U
	MW20042017	4/24/17	52 J	25 UJ	1.0 U	0.50 U	1.0 U	1.0 U	30 U	1.0 U	1.0 U	4.4 U	4.0 U	0.50 U	0.50 U	2.0 U	1.0 U	0.50 U	1.0 U	2.0 U	1.0 U
MW22D	MW22D102018	10/12/18	0.05 J	25 UJ	1.1 U	0.57 U	1.1 U	1.1 U	34 U	1.1 U	1.1 U	5.0 U	4.6 U	0.57 U	0.57 U	2.3 U	1.1 U	0.57 U	1.1 U	2.3 U	1.1 U
	MW22D042018	4/27/18	0.06 J	25 U	4.8 U	4.8 U	4.8 U	4.8 U	18 U	1.1 U	1.1 U	2.2 U	4.4 UJ	2.2 U	1.1 U	4.8 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U
	MW22D102017	10/23/17	0.14 U	1300 U	5.1 U	5.1 U	5.1 U	5.1 U	19 U	1.2 U	1.2 U	2.3 U	4.6 UJ	2.3 U	1.2 U	5.1 U	2.3 U	2.3 U	1.2 U	2.0 U	1.2 U
	MW22D042017	4/19/17	47 J	25 U	0.97 U	0.49 U	0.97 U	0.97 U	29 U	0.97 U	0.97 U	4.3 U	3.9 U	0.49 U	0.49 U	1.9 U	0.97 U	0.49 U	0.97 U	1.9 U	0.97 U
MW22S	MW22S102018	10/2018	Well was dry and was not sampled																		
	MW22S042018	4/2018	Well was dry and was not sampled																		
	MW22S102017	10/2017	Well was dry and was not sampled																		
	MW22S042017	4/2017	Well was dry and was not sampled																		

Table 5-6: Summary of Semivolatile Organic Compounds and Total Petroleum Hydrocarbons Analytical Results (µg/L)

			Diesel Range Organics ^a	Gasoline Range Organics ^g	1,2,4- trichloro- benzene	1,2-dichloro- benzene	1,3-dichloro- benzene	1,4-dichloro- benzene	2,4-Dinitro- phenol	2-chloro- naphthalene	2-methyl- naphthalene	2-nitro- aniline	4-Nitro- phenol	Aceto- phenone	Benzyl alcohol	Bis (2- ethylhexyl) phthalate	Diethyl phthalate	Dimethyl phthalate	Naphthalene	Nitrobenzene	Phenanthrene
			CAS DRO	CAS GRO	CAS 120-82-1	CAS 95-50-1	CAS 541-73-1	CAS 106-46-7	CAS 51-28-5	CAS 91-58-7	CAS 91-57-6	CAS 88-74-4	CAS 100-02-7	CAS 98-86-2	CAS 100-51-6	CAS 117-81-7	CAS 84-66-2	CAS 131-11-3	CAS 91-20-3	CAS 98-95-3	CAS 85-01-8
Well Name	Sample Identifier	Sample Date	mg/L ^a	Screening Value (ug/L) ^b																	
			0.0167 ^a	10.1 ^g	70 ^f	600 ^f	75 ^f	75 ^f	39 ^e	750 ^e	30 ^f	190 ^e	91 ^e	1900 ^e	2000 ^e	6 ^d	15000 ^e	15000 ^e	30 ^f	1.4 ^e	NE
MW23	MW23102018	10/17/18	NA	NA	0.6 J	0.48 J	0.49 J	0.51 J	31 U	1.0 U	0.46 J	4.6 UJ	4.2 U	0.52 U	0.52 U	2.1 U	1.0 U	0.52 U	0.51 J	2.1 U	1.0 U
	MW23102018FD ^e	10/17/18	NA	NA	1.1 U	0.53 U	1.1 U	1.1 U	32 U	1.1 U	1.1 U	4.7 U	4.3 U	0.53 U	0.53 U	2.1 U	1.1 U	0.53 U	1.1 U	2.1 U	1.1 U
	MW23042018	4/24/18	NA	NA	4.4 U	4.4 U	4.4 U	4.4 U	16 U	1.0 U	1.0 U	2.0 U	4.0 UJ	2.0 U	1.0 U	4.4 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	MW23042018FD ^e	4/24/18	NA	NA	4.4 U	4.4 U	4.4 U	4.4 U	16 U	1.0 U	1.0 U	2.0 U	4.0 UJ	2.0 U	1.0 U	4.4 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	MW23102017	10/18/17	NA	NA	1.0 U	0.52 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.6 UJ	4.2 U	0.52 U	0.52 U	2.8 J	1.0 U	0.52 U	1.0 U	2.1 U	1.0 U
	MW23102017FD ^e	10/18/17	NA	NA	1.1 U	0.57 U	1.1 U	1.1 U	34 U	1.1 U	1.1 U	5.0 U	4.6 U	0.57 U	0.57 U	1.4 J	1.1 U	0.57 U	1.1 U	2.3 U	1.1 U
	MW23042017	4/18/17	NA	NA	1.0 U	0.51 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.5 UJ	4.1 U	0.51 U	0.51 U	1.4 J	1.0 U	0.51 U	1.0 U	2.0 U	1.0 U
	DMW23042017 ^e	4/18/17	NA	NA	1.1 U	0.54 U	1.1 U	1.1 U	32 U	1.1 U	1.1 U	4.7 U	4.3 U	0.54 U	0.54 U	1.1 J	1.1 U	0.54 U	1.1 U	2.2 U	1.1 U
MW24	MW24102018	10/17/18	NA	NA	1.0 U	0.52 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.5 U	4.1 U	0.52 U	0.52 U	2.1 U	1.0 U	0.52 U	1.0 U	2.1 U	1.0 U
	MW24102018FD ^e	10/17/18	NA	NA	1.0 U	0.52 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.6 U	4.2 U	0.52 U	0.52 U	2.1 U	1.0 U	0.52 U	1.0 U	2.1 U	1.0 U
	MW24042018	4/23/18	NA	NA	4.3 U	4.3 U	4.3 U	4.3 U	16 U	0.99 U	0.99 U	2.0 U	3.9 UJ	2.0 U	0.99 U	4.3 U	2.0 U	2.0 U	0.99 U	0.99 U	0.99 U
	MW24042018FD ^e	4/23/18	NA	NA	4.6 U	4.6 U	4.6 U	4.6 U	17 U	1.1 U	1.1 U	2.1 U	4.2 UJ	2.1 U	1.1 U	4.6 U	2.1 U	2.1 U	1.1 U	1.1 U	1.1 U
	MW24102017	10/17/17	NA	NA	1.1 U	0.53 U	1.1 U	1.1 U	32 U	1.1 U	1.1 U	4.6 U	4.2 U	0.53 U	0.53 U	2.1 U	1.1 U	0.53 U	1.1 U	2.1 U	1.1 U
	MW24102017FD 01 ^e	10/17/17	NA	NA	1.1 U	0.54 U	1.1 U	1.1 U	33 U	1.1 U	1.1 U	4.8 U	4.4 U	0.54 U	0.54 U	2.2 U	1.1 U	0.54 U	1.1 U	2.2 U	1.1 U
	MW24042017	4/17/17	NA	NA	0.99 U	0.50 U	0.99 U	0.99 U	30 U	0.99 U	0.99 U	4.4 U	4.0 U	0.50 U	0.50 U	2.0 U	0.99 U	0.50 U	0.99 U	2.0 U	0.99 U
	DMW24042017 ^e	4/17/17	NA	NA	0.97 U	0.48 U	0.97 U	0.97 U	29 U	0.97 U	0.97 U	4.3 U	3.9 U	0.48 U	0.48 U	1.9 U	0.97 U	0.48 U	0.97 U	1.9 U	0.97 U
SMW01	SMW01102018	10/12/18	NA	NA	1.1 U	0.53 U	1.1 U	1.1 U	32 U	1.1 U	1.1 U	4.7 U	4.2 U	0.53 U	0.53 U	2.1 U	1.1 U	0.53 U	1.1 U	2.1 U	1.1 U
	SMW01042018	4/26/18	NA	NA	4.7 U	4.7 U	4.7 U	4.7 U	17 U	1.1 U	1.1 U	2.1 U	4.2 UJ	2.1 U	1.1 U	4.7 U	2.1 U	2.1 U	1.1 U	1.1 U	1.1 U
	SMW01102017	10/20/17	NA	NA	4.6 U	4.6 U	4.6 U	4.6 U	17 U	1.1 U	1.1 U	2.1 U	4.2 UJ	2.1 U	1.1 U	4.6 U	2.1 U	2.1 U	1.1 U	1.1 U	1.1 U
	SMW01042017	4/21/17	NA	NA	1.0 U	0.52 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.6 U	4.2 U	0.52 U	0.52 U	2.1 U	1.0 U	0.52 U	1.0 U	2.1 U	1.0 U
TMW03	TMW03102018	10/12/18	NA	NA	1.0 U	0.52 U	1.0 U	1.0 U	18 J	1.0 U	1.0 U	2.9 J	15 J	0.52 U	0.52 U	2.1 U	1.0 U	0.52 U	1.0 U	2.1 U	1.0 U
	TMW03042018	5/4/18	NA	NA	4.7 U	4.7 U	4.7 U	4.7 U	29 J	1.1 U	1.1 U	2.2 U	4.3 UJ	2.2 U	1.1 U	4.7 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U
	TMW03102017	10/25/17	NA	NA	4.9 U	4.9 U	4.9 U	4.9 U	13 J	1.1 U	1.1 U	2.2 U	4.5 UJ	2.2 U	1.1 U	4.9 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U
	TMW03042017	4/24/17	NA	NA	0.99 U	0.50 U	0.99 U	0.99 U	30 U	0.99 U	0.99 U	4.4 U	4.0 U	0.50 U	0.50 U	2.0 U	0.99 U	0.50 U	0.99 U	2.0 U	0.99 U
TMW04	TMW04102018	10/16/18	NA	NA	1.1 U	0.54 U	1.1 U	1.1 U	33 U	1.1 U	1.1 U	4.8 U	4.3 UJ	0.54 U	0.54 U	2.2 U	1.1 U	0.54 U	1.1 U	2.2 U	1.1 U
	TMW04042018	5/2/18	NA	NA	1.1 U	0.53 U	1.1 U	1.1 U	32 U	1.1 U	1.1 U	4.6 UJ	4.2 UJ	0.53 U	0.53 U	2.1 U	1.1 U	0.53 U	1.1 U	2.1 U	1.1 U
	TMW04102017	10/25/17	NA	NA	4.7 U	4.7 U	4.7 U	4.7 U	17 U	1.1 U	1.1 U	2.2 U	4.3 UJ	2.2 U	1.1 U	4.7 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U
	TMW04042017	4/24/17	NA	NA	1.0 U	0.50 U	1.0 U	1.0 U	30 U	1.0 U	1.0 U	4.4 U	4.0 U	0.50 U	0.50 U	2.0 U	1.0 U	0.50 U	1.0 U	2.0 U	1.0 U
TMW06	TMW06102018	10/12/18	NA	NA	0.96 U	0.48 U	0.96 U	0.96 U	29 U	0.96 U	0.96 U	4.2 U	3.8 UJ	0.48 U	0.48 U	1.9 U	0.96 U	0.48 U	0.96 U	1.9 U	0.96 U
	TMW06042018	4/30/18	NA	NA	4.7 U	4.7 U	4.7 U	4.7 U	17 U	1.1 U	1.1 U	2.1 U	4.3 UJ	2.1 U	1.1 U	4.7 U	2.1 U	2.1 U	1.1 U	1.1 U	1.1 U
	TMW06102017	10/17/17	NA	NA	1.1 U	0.55 U	1.1 U	1.1 U	33 U	1.1 U	1.1 U	4.9 U	4.4 U	0.55 U	0.55 U	2.2 U	1.1 U	0.55 U	1.1 U	2.2 U	1.1 U
	TMW06042017	4/20/17	NA	NA	1.1 U	0.53 U	1.1 U	1.1 U	32 U	1.1 U	1.1 U	4.7 U	4.3 U	0.53 U	0.53 U	2.1 U	1.1 U	0.53 U	1.1 U	2.1 U	1.1 U
TMW07	TMW07102018	10/10/18	NA	NA	1.0 U	0.51 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.5 U	4.1 U	0.51 U	0.51 U	2.0 U	1.0 U	0.51 U	1.0 U	2.0 U	1.0 U
	TMW07042018	4/25/18	NA	NA	4.6 U	4.6 U	4.6 U	4.6 U	17 U	1.0 U	1.0 U	2.1 U	4.2 UJ	2.1 U	1.0 U	4.6 U	2.1 U	2.1 U	1.0 U	1.0 U	1.0 U
	TMW07102017	10/19/17	NA	NA	4.8 U	4.8 U	4.8 U	4.8 U	17 U	1.1 U	1.1 U	2.2 U	4.3 UJ	2.2 U	1.1 U	4.8 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U
	TMW07042017	4/20/17	NA	NA	0.98 U	0.49 U	0.98 U	0.98 U	29 U	0.98 U	0.98 U	4.3 U	3.9 U	0.49 U	0.49 U	0.81 J	0.98 U	0.49 U	0.98 U	2.0 U	0.98 U
TMW08	TMW08102018	10/11/18	0.12 U	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	TMW08042018	4/27/18	0.056 J	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	TMW08102017	10/20/17	0.041 U	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	TMW08042017	4/21/17	40 U	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TMW15	TMW15102018	10/16/18	NA	NA	1.0 U	0.51 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.5 U	4.1 UJ	0.51 U	0.51 U	2.1 U	1.0 U	0.51 U	td		

Table 5-6: Summary of Semivolatile Organic Compounds and Total Petroleum Hydrocarbons Analytical Results (µg/L)

Well Name	Sample Identifier	Sample Date	Diesel Range Organics ^a	Gasoline Range Organics ^g	1,2,4-trichloro-benzene	1,2-dichloro-benzene	1,3-dichloro-benzene	1,4-dichloro-benzene	2,4-Dinitro-phenol	2-chloro-naphthalene	2-methyl-naphthalene	2-nitro-aniline	4-Nitro-phenol	Aceto-phenone	Benzyl alcohol	Bis (2-ethylhexyl) phthalate	Diethyl phthalate	Dimethyl phthalate	Naphthalene	Nitrobenzene	Phenanthrene
			CAS DRO	CAS GRO	CAS 120-82-1	CAS 95-50-1	CAS 541-73-1	CAS 106-46-7	CAS 51-28-5	CAS 91-58-7	CAS 91-57-6	CAS 88-74-4	CAS 100-02-7	CAS 98-86-2	CAS 100-51-6	CAS 117-81-7	CAS 84-66-2	CAS 131-11-3	CAS 91-20-3	CAS 98-95-3	CAS 85-01-8
			mg/L ^a	Screening Value (µg/L) ^b																	
			0.0167 ^a	10.1 ^g	70 ^f	600 ^f	75 ^f	75 ^f	39 ^e	750 ^e	30 ^f	190 ^e	91 ^e	1900 ^e	2000 ^e	6 ^d	15000 ^e	15000 ^e	30 ^f	1.4 ^e	NE
TMW31S	TMW31S102018	10/11/18	NA	NA	1.0 U	0.51 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.5 U	4.1 U	0.51 U	0.51 U	2.0 U	1.0 U	0.51 U	1.0 U	2.0 U	1.0 U
	TMW31S042018	4/25/18	NA	NA	4.7 U	4.7 U	4.7 U	4.7 U	17 U	1.1 U	1.1 U	2.1 U	4.3 UJ	2.1 U	1.1 U	4.7 U	2.1 U	2.1 U	1.1 U	1.1 U	1.1 U
	TMW31S102017	10/25/17	NA	NA	5.0 U	5.0 U	5.0 U	5.0 U	18 U	1.1 U	1.1 U	2.3 U	4.5 UJ	2.3 U	1.1 U	5.0 U	2.3 U	2.3 U	1.1 U	1.1 U	1.1 U
	TMW31S042017	4/19/17	NA	NA	1.1 U	0.56 U	1.1 U	1.1 U	34 U	1.1 U	1.1 U	4.9 U	4.5 U	0.56 U	0.56 U	2.2 U	1.1 U	0.56 U	1.1 U	2.2 U	1.1 U
TMW33	TMW33102018	10/10/18	0.13 U	30	1.0 U	0.52 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.6 U	4.2 U	0.52 U	0.52 U	2.1 U	1.0 U	0.52 U	1.0 U	2.1 U	1.0 U
	TMW33042018	4/25/18	0.067 U	24 J	4.6 U	4.6 U	4.6 U	4.6 U	17 U	1.0 U	1.0 U	2.1 U	4.1 UJ	2.1 U	1.0 U	4.6 U	2.1 U	2.1 U	1.0 U	1.0 U	1.0 U
	TMW33102017	10/20/17	0.068 U	26 U	4.7 U	4.7 U	4.7 U	4.7 U	17 U	1.1 U	1.1 U	2.2 U	4.3 UJ	2.2 U	1.1 U	4.7 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U
	TMW33042017	4/20/17	46 J	15 J	1.0 U	0.51 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.5 U	4.1 U	0.51 U	0.51 U	2.0 U	1.0 U	0.51 U	1.0 U	2.0 U	1.0 U
TMW34	TMW34102018	10/15/18	0.13 U	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	TMW34102018FD ^e	10/15/18	0.13 U	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	TMW34042018	4/27/18	0.055 J	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	TMW34042018FD ^e	4/27/18	0.06 J	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	TMW34102017	10/25/17	0.069 U	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	TMW34102017FD ^e	10/25/17	0.084 U	25 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	TMW34042017	4/24/17	120 U	25 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DTW34042017 ^e	4/24/17	32 J	25 UJ	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TMW35	TMW35102018	10/15/18	0.037 J	25 UJ	1.0 U	0.52 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.6 U	4.2 UJ	0.52 U	0.52 U	2.1 U	1.0 U	0.52 U	1.0 U	2.1 U	1.0 U
	TMW35042018	4/27/18	0.064 J	25 U	4.9 U	4.9 U	4.9 U	4.9 U	18 U	1.1 U	1.1 U	2.2 U	4.4 UJ	2.2 U	1.1 U	4.9 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U
	TMW35102017	10/23/17	0.14 U	1300 U	5.1 U	5.1 U	5.1 U	5.1 U	19 U	1.2 U	1.2 U	2.3 U	4.6 UJ	2.3 U	1.2 U	5.1 U	2.3 U	2.3 U	1.2 U	1.2 U	1.2 U
	TMW35042017	4/24/17	43 J	25 UJ	1.1 U	0.55 U	1.1 U	1.1 U	33 U	1.1 U	1.1 U	4.8 U	4.4 U	0.55 U	0.55 U	2.2 U	1.1 U	0.55 U	1.1 U	2.2 U	1.1 U
TMW39S	TMW39S102018	10/11/18	NA	NA	1.0 U	0.51 U	1.0 U	1.0 U	30 U	1.0 U	1.0 U	4.5 U	4.0 U	0.51 U	0.51 U	2.0 U	1.0 U	0.51 U	1.0 U	2.0 U	1.0 U
	TMW39S042018	4/25/18	NA	NA	4.8 U	4.8 U	4.8 U	4.8 U	17 U	1.1 U	1.1 U	2.2 U	4.4 UJ	2.2 U	1.1 U	4.8 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U
	TMW39S102017	10/18/17	NA	NA	1.1 U	0.57 U	1.1 U	1.1 U	34 U	1.1 U	1.1 U	5.0 U	4.6 U	0.57 U	0.57 U	2.3 U	1.1 U	0.57 U	1.1 U	2.3 U	1.1 U
	TMW39S042017	4/19/17	NA	NA	1.1 U	0.53 U	1.1 U	1.1 U	32 U	1.1 U	1.1 U	4.7 U	4.2 U	0.53 U	0.53 U	2.1 U	1.1 U	0.53 U	1.1 U	2.1 U	1.1 U
TMW40S	TMW40S102018	10/9/18	NA	NA	1.1 U	0.53 U	1.1 U	1.1 U	19 J	1.1 U	1.1 U	4.7 U	4.3 U	0.53 U	0.53 U	2.1 U	1.1 U	0.53 U	1.1 U	2.1 U	1.1 U
	TMW40S042018*	4/27/18	NA	NA	4.8 UJ	4.8 UJ	4.8 UJ	4.8 UJ	21 J	1.1 UJ	1.1 UJ	2.2 UJ	4.4 UJ	2.2 UJ	1.1 UJ	1.5 J	2.2 UJ	2.2 UJ	1.1 UJ	1.1 UJ	1.1 UJ
	TMW40S102017	10/27/17	NA	NA	4.8 U	4.8 U	4.8 U	4.8 U	17 U	1.1 U	1.1 U	2.2 U	4.4 UJ	2.2 U	1.1 U	4.8 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U
	TMW40S042017	4/24/17	NA	NA	1.1 U	0.55 U	1.1 U	1.1 U	12 J	1.1 U	1.1 U	4.8 U	4.4 U	0.55 U	0.55 U	2.2 U	1.1 U	0.55 U	1.1 U	2.2 U	1.1 U
TMW41	TMW41102018	10/11/18	NA	NA	0.98 U	0.49 U	0.98 U	0.98 U	30 U	0.98 U	0.98 U	4.3 U	3.9 U	0.49 U	0.49 U	2.0 U	0.98 U	0.49 U	0.98 U	2.0 U	0.98 U
	TMW41042018	4/25/18	NA	NA	4.6 U	4.6 U	4.6 U	4.6 U	17 U	1.1 U	1.1 U	2.1 U	4.2 UJ	2.1 U	1.1 U	4.6 U	2.1 U	2.1 U	1.1 U	1.1 U	1.1 U
	TMW41102017	10/25/17	NA	NA	5.3 U	5.3 U	5.3 U	5.3 U	19 U	1.2 U	1.2 U	2.4 U	4.8 UJ	2.4 U	1.2 U	5.3 U	2.4 U	2.4 U	1.2 U	1.2 U	1.2 U
	TMW41042017	4/19/17	NA	NA	1.0 U	0.51 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.5 U	4.1 U	0.51 U	0.51 U	2.0 U	1.0 U	0.51 U	1.0 U	2.0 U	1.0 U
TMW43	TMW43102018	10/16/18	NA	NA	1.0 U	0.52 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.5 U	4.1 U	0.52 U	0.52 U	2.1 U	1.0 U	0.52 U	1.0 U	2.1 U	1.0 U
	TMW43102018FD ^e	10/16/18	NA	NA	1.0 U	0.50 U	1.0 U	1.0 U	30 U	1.0 U	1.0 U	4.4 U	4.0 U	0.50 U	0.50 U	2.0 U	1.0 U	0.50 U	1.0 U	2.0 U	1.0 U
	TMW43042018	5/2/18	NA	NA	1.1 U	0.54 U	1.1 U	1.1 U	32 U	1.1 U	1.1 U	4.7 U	4.3 UJ	0.54 U	0.54 U	2.2 U	1.1 U	0.54 U	1.1 U	2.2 U	1.1 U
	TMW43042018FD ^e	5/2/18	NA	NA	1.0 U	0.51 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.5 U	4.1 UJ	0.33 J	0.51 U	2.1 U	1.0 U	0.29 J	0.31 J	2.1 U	0.29 J
	TMW43102017	10/24/17	NA	NA	5.1 U	5.1 U	5.1 U	5.1 U	19 U	1.2 U	1.2 U	2.3 U	4.7 UJ	2.3 U	1.2 U	5.1 U	2.3 U	2.3 U	1.2 U	1.2 U	1.2 U
	TMW43102017FD ^e	10/24/17	NA	NA	4.9 U	4.9 U	4.9 U	4.9 U	18 U	1.1 U	1.1 U	2.2 U	4.5 UJ	2.2 U	1.1 U	4.9 U	2.2 U	2.2 U	1.1 U	1.1 U	0.40 J
	TMW43042017	4/27/17	NA	NA	1.1 U	0.53 U	1.1 U	1.1 U	32 U	1.1 U	1.1 U	4.7 U	4.2 U	0.53 U	0.53 U	2.1 U	1.1 U	0.53 U	1.1 U	2.1 U	1.1 U
	DTW43042017 ^e	4/27/17	NA	NA	1.1 U	0.53 U	1.1 U	1.1 U	32 U	1.1 U	1.1 U	4.6 U	4.2 U	0.53 U	0.53 U	2.1 U	1.1 U	0.53 U	1.1 U	2.1 U	1.1 U
TMW44	TMW44102018	10/11/18	NA	NA	1.0 U	0.51 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.5 U	4.1 U	0.51 U	0.51 U	2.0 U	1.0 U	0.51 U	1.0 U	2.0 U	1.0 U
	TMW44042018	4/25/18	NA	NA	4.8 U	4.8 U	4.8 U	4.8 U	17 U	1.1 U	1.1 U	2.2 U	4.4 UJ	2.2 U	1.1 U	4.8 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U
	TMW44102017	10/25/17	NA	NA	4.7 U	4.7 U	4.7 U	4.7 U	17 U	1.1 U	1.1 U	2.1 U	4.3 UJ	2.1 U	1.1 U	4.7 U	2.1 U	2.1 U	1.1 U	1.1 U	1.1 U
	TMW44042017	4/19/17	NA	NA	1.2 U	0.60 U	1.2 U	1.2 U	12 J	1.2 U	1.2 U	5.2 U	4.8 U	0.60 U	0.60 U	2.4 U	1.2 U	0.60 U	1.2 U	2.4 U	1.2 U
TMW45	TMW45102018	10/17/18	NA	NA	1.0 U	0.52 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.5 U	4.1 U	0.52 U	0.52 U	2.1 U	1.0 U	0.52 U	1.0 U	2.1 U	1.0 U
	TMW45042018	5/2/18	NA	NA	1.1 U	0.55 U	1.1 U	1.1 U	33 U	1.1 U	1.1 U	4.9 U	4.4 UJ	0.55 U	0.55 U	2.2 U	1.1 U	0.55 U	1.1 U	2.2 U	1.1 U
	TMW45102017	10/27/17	NA	NA	4.5 U	4.5 U	4.5 U	4.5 U	16 U	1.0 U	1.0 U	2.0 U	4.1 UJ	2.0 U	1.0 U	4.5 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	TMW45042017	4/28/17	NA	NA	1.1 U	0.53 U	1.1 U	1.1 U	32 U	1.1 U	1.1 U	4.7 U	4.2 U	0.53 U	0.53 U	2.1 U	1.1 U	0.53 U	1.1 U	2.1 U	1.1 U
TMW46	TMW46102018	10/10/18	NA	NA	1.1 U	0.54 U	1.1 U	1.1 U	32 U	1.1 U	1.1 U	4.7 U	4.3 U	0.54 U	0.54 U	2.1 U	1.1 U	0.54 U	1.1 U	2.1 U	1.1 U
	TMW46042018	4/25/18	NA	NA	4.7 U	4.7 U	4.7 U	4.7 U	17 U	1.1 U	1.1 U	2.1 U	4.3 UJ	2.1 U	1.1 U	4.7 U	2.1 U	2.1 U	1.1 U	1.1 U	1.1 U
	TMW46102017	10/25/17	NA	NA	4.8 U	4.8 U	4.8 U	4.8 U	17 U	1.1 U	1.1 U	2.2 U	4.3 UJ	2.2 U	1.1 U	4.8 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U
	TMW46042017	4/20/17	NA	NA	1.0 U	0.51 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.5 U	4.1 U	0.51 U	0.51 U	2.0 U	1.0 U	0.51 U	1.0 U	2.0 U	1.0 U

Table 5-6: Summary of Semivolatile Organic Compounds and Total Petroleum Hydrocarbons Analytical Results (µg/L)

			Diesel Range Organics ^a	Gasoline Range Organics ^g	1,2,4-trichloro-benzene	1,2-dichloro-benzene	1,3-dichloro-benzene	1,4-dichloro-benzene	2,4-Dinitro-phenol	2-chloro-naphthalene	2-methyl-naphthalene	2-nitro-aniline	4-Nitro-phenol	Aceto-phenone	Benzyl alcohol	Bis (2-ethylhexyl) phthalate	Diethyl phthalate	Dimethyl phthalate	Naphthalene	Nitrobenzene	Phenanthrene
			CAS DRO	CAS GRO	CAS 120-82-1	CAS 95-50-1	CAS 541-73-1	CAS 106-46-7	CAS 51-28-5	CAS 91-58-7	CAS 91-57-6	CAS 88-74-4	CAS 100-02-7	CAS 98-86-2	CAS 100-51-6	CAS 117-81-7	CAS 84-66-2	CAS 131-11-3	CAS 91-20-3	CAS 98-95-3	CAS 85-01-8
Well Name	Sample Identifier	Sample Date	mg/L ^a	Screening Value (µg/L) ^b																	
			0.0167 ^a	10.1 ^g	70 ^f	600 ^f	75 ^f	75 ^f	39 ^e	750 ^e	30 ^f	190 ^e	91 ^e	1900 ^e	2000 ^e	6 ^d	15000 ^e	15000 ^e	30 ^f	1.4 ^e	NE
TMW47	TMW47102018	10/17/18	NA	NA	1.1 U	0.54 U	1.1 U	1.1 U	32 U	1.1 U	1.1 U	4.7 U	4.3 U	0.54 U	0.54 U	2.1 U	1.1 U	0.54 U	1.1 U	2.1 U	1.1 U
	TMW47042018	5/3/18	NA	NA	0.55 J	0.51 U	1.0 U	1.0 U	31 U	0.70 J	1.1 J	4.5 U	4.1 UJ	0.51 U	0.51 U	2.1 U	1.0 U	0.51 U	0.94 J	2.1 U	1.0 U
	TMW47102017	10/26/17	NA	NA	4.8 U	4.8 U	4.8 U	4.8 U	18 U	1.1 U	1.1 U	2.2 U	4.4 UJ	2.2 U	1.1 U	4.8 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U
	TMW47042017	4/25/17	NA	NA	1.1 U	0.55 U	1.1 U	1.1 U	33 U	1.1 U	1.1 U	4.8 U	4.4 U	0.55 U	0.55 U	2.2 U	1.1 U	0.55 U	1.1 U	2.2 U	1.1 U
Northern Bedrock Groundwater Zone																					
BGMW07	BGMW07102018	10/12/18	NA	NA	1.0 U	0.51 U	1.0 U	1.0 U	30 U	1.0 U	1.0 U	4.5 U	4.0 U	0.51 U	0.51 U	2.0 U	1.0 U	0.51 U	1.0 U	2.0 U	1.0 U
	BGMW07042018	4/26/18	NA	NA	4.8 U	4.8 U	4.8 U	4.8 U	17 U	1.1 U	1.1 U	2.2 U	4.4 U	2.2 U	1.1 U	4.8 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U
BGMW08	BGMW08102018	10/9/18	NA	NA	1.4 U	0.69 U	1.4 U	1.4 U	41 U	1.4 U	1.4 U	6.1 U	5.5 U	0.69 U	0.69 U	2.8 U	1.4 U	0.69 U	1.4 U	2.8 U	1.4 U
	BGMW08042018	04/2018	Well was dry and was not sampled																		
BGMW09	BGMW09102018	10/10/18	NA	NA	1.0 U	0.52 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.5 U	4.1 U	0.52 U	0.52 U	2.1 U	1.0 U	0.52 U	1.0 U	2.1 U	1.0 U
	BGMW09102018FD ^c	10/10/18	NA	NA	1.1 U	0.53 U	1.1 U	1.1 U	32 U	1.1 U	1.1 U	4.6 U	4.2 U	0.53 U	0.53 U	2.1 U	1.1 U	0.53 U	1.1 U	2.1 U	1.1 U
	BGMW09042018	5/1/18	NA	NA	6.2 U	6.2 U	6.2 U	6.2 U	22 U	1.4 U	1.4 U	2.8 U	5.6 U	2.8 U	1.4 U	6.2 U	2.8 U	2.8 U	1.4 U	1.4 U	1.4 U
BGMW10	BGMW10102018	10/11/18	NA	NA	1.0 U	0.52 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.6 U	4.2 U	0.52 U	0.52 U	2.1 U	1.0 U	0.52 U	1.0 U	2.1 U	1.0 U
	BGMW10042018	4/27/18	NA	NA	4.6 U	4.6 U	4.6 U	4.6 U	17 U	1.1 U	1.1 U	2.1 U	4.2 U	2.1 U	1.1 U	4.6 U	2.1 U	2.1 U	1.1 U	1.1 U	1.1 U
TMW14A	TMW14A102018	10/15/18	NA	NA	1.0 U	0.51 U	1.0 U	1.0 U	30 U	1.0 U	1.0 U	4.5 U	4.1 UJ	0.51 U	0.51 U	2.0 U	1.0 U	0.51 U	1.0 U	2.0 U	1.0 U
	TMW14A042018	5/3/18	NA	NA	1.0 U	0.52 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.6 U	4.2 UJ	0.52 U	0.52 U	2.1 U	0.40 J	0.52 U	1.0 U	2.1 U	1.0 U
	TMW14A102017	10/26/17	NA	NA	5.0 U	5.0 U	5.0 U	5.0 U	18 U	1.1 U	1.1 U	2.3 U	4.5 UJ	2.3 U	1.1 U	5.0 U	2.3 U	2.3 U	1.1 U	1.1 U	1.1 U
	TMW14A042017	4/27/17	NA	NA	1.0 U	0.51 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.5 U	4.1 U	0.51 U	0.51 U	2.1 U	1.0 U	0.51 U	1.0 U	2.1 U	1.0 U
TMW16	TMW16102018	10/19/18	NA	NA	1.1 U	0.54 U	1.1 U	1.1 U	32 U	1.1 U	1.1 U	4.8 U	4.3 U	0.54 U	0.54 U	2.2 U	1.1 U	0.54 U	1.1 U	2.2 U	1.1 U
	TMW16042018	4/25/18	NA	NA	4.6 U	4.6 U	4.6 U	4.6 U	17 U	1.1 U	1.1 U	2.1 U	4.2 UJ	2.1 U	1.1 U	4.6 U	2.1 U	2.1 U	1.1 U	1.1 U	1.1 U
	TMW16102017	10/20/17	NA	NA	5.0 U	5.0 U	5.0 U	5.0 U	18 U	1.1 U	1.1 U	2.3 U	4.5 UJ	2.3 U	1.1 U	5.0 U	2.3 U	2.3 U	1.1 U	1.1 U	1.1 U
	TMW16042017	4/20/17	NA	NA	1.0 U	0.51 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.5 U	4.1 U	0.51 U	0.51 U	2.1 U	1.0 U	0.51 U	1.0 U	2.1 U	1.0 U
TMW18	TMW18102018	10/18/18	NA	NA	1.0 U	0.50 U	1.0 U	1.0 U	30 U	1.0 U	1.0 U	4.4 U	4.0 U	0.37 J	0.50 U	4.7 J	1.0 U	0.50 U	1.0 U	2.0 U	1.0 U
	TMW18042018	4/25/18	NA	NA	4.5 U	4.5 U	4.5 U	4.5 U	16 U	1.0 U	1.0 U	2.1 U	4.1 UJ	2.1 U	1.0 U	19	2.1 U	2.1 U	1.0 U	1.0 U	1.0 U
	TMW18102017	10/19/17	NA	NA	5.2 U	5.2 U	5.2 U	5.2 U	19 U	1.2 U	1.2 U	2.4 U	4.8 UJ	2.4 U	1.2 U	5.5 J	2.4 U	2.4 U	1.2 U	1.2 U	1.2 U
	TMW18042017	4/20/17	NA	NA	1.1 U	0.53 U	1.1 U	1.1 U	32 U	1.1 U	1.1 U	4.7 U	4.3 U	0.48 J	0.53 U	5.1 J	1.1 U	0.53 U	1.1 U	2.1 U	1.1 U
TMW19	TMW19102018	10/18/18	NA	NA	1.1 U	0.53 U	1.1 U	1.1 U	32 U	1.1 U	1.1 U	4.6 U	4.2 U	0.53 U	0.53 U	0.63 J	1.1 U	0.53 U	1.1 U	2.1 U	1.1 U
	TMW19042018	4/25/18	NA	NA	4.4 U	4.4 U	4.4 U	4.4 U	16 U	1.0 U	1.0 U	2.0 U	4.0 UJ	2.0 U	1.0 U	4.4 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	TMW19102017	10/19/17	NA	NA	4.9 U	4.9 U	4.9 U	4.9 U	18 U	1.1 U	1.1 U	2.2 U	4.4 UJ	2.2 U	1.1 U	4.9 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U
	TMW19042017	4/20/17	NA	NA	1.0 U	0.51 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.5 U	4.1 U	0.51 U	0.51 U	2.0 U	1.0 U	0.51 U	1.0 U	2.0 U	1.0 U
TMW30	TMW30102018	10/11/18	NA	NA	1.0 U	0.50 U	1.0 U	1.0 U	30 U	1.0 U	1.0 U	4.4 U	4.0 U	0.50 U	0.50 U	2.0 U	1.0 U	0.50 U	1.0 U	2.0 U	1.0 U
	TMW30042018	4/26/18	NA	NA	4.9 U	4.9 U	4.9 U	4.9 U	18 U	1.1 U	1.1 U	2.2 U	4.4 UJ	2.2 U	1.1 U	4.9 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U
	TMW30102017	10/25/17	NA	NA	5.0 U	5.0 U	5.0 U	5.0 U	18 U	1.1 U	1.1 U	2.3 U	4.5 UJ	2.3 U	1.1 U	5.0 U	2.3 U	2.3 U	1.1 U	1.1 U	1.1 U
	TMW30042017	4/19/17	NA	NA	1.1 U	0.55 U	1.1 U	1.1 U	33 U	1.1 U	1.1 U	4.8 U	4.4 U	0.55 U	0.55 U	2.2 U	1.1 U	0.55 U	1.1 U	2.2 U	1.1 U
TMW31D	TMW31D102018	10/16/18	NA	NA	1.0 U	0.42 J	0.5 J	0.52 J	31 U	1.0 U	1.0 U	4.6 U	4.1 U	0.52 U	0.52 U	2.1 U	1.0 U	0.52 U	1.0 U	2.1 U	1.0 U
	TMW31D102018FD ^c	10/16/18	NA	NA	1.0 U	0.51 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.5 U	4.1 U	0.51 U	0.51 U	2.1 U	1.0 U	0.51 U	1.0 U	2.1 U	1.0 U
	TMW31D042018	5/2/18	NA	NA	1.1 U	0.54 U	1.1 U	1.1 U	32 U	1.1 U	1.1 U	4.7 U	4.3 UJ	0.54 U	0.54 U	2.1 U	1.1 U	0.54 U	1.1 U	2.1 U	1.1 U
	TMW31D042018FD ^c	5/2/18	NA	NA	1.0 U	0.52 U	1.0 U	1.0 U	31 U	0.31 J	1.0 U	4.6 U	4.2 UJ	0.52 U	0.52 U	2.1 U	1.0 U	0.52 U	1.0 U	2.1 U	1.0 U
	TMW31D102017	10/26/17	NA	NA	4.7 U	4.7 U	4.7 U	4.7 U	17 U	1.1 U	1.1 U	2.1 U	4.2 UJ	2.1 U	1.1 U	4.7 U	2.1 U	2.1 U	1.1 U	1.1 U	1.1 U
	TMW31D102017FD ^c	10/26/17	NA	NA	4.6 U	4.6 U	4.6 U	4.6 U	17 U	1.0 U	1.0 U	2.1 U	4.2 UJ	2.1 U	1.0 U	4.6 U	2.1 U	2.1 U	1.0 U	1.0 U	1.0 U
	TMW31D042017	4/27/17	NA	NA	1.0 U	0.51 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.5 U	4.1 U	0.51 U	0.51 U	2.1 U	1.0 U	0.51 U	1.0 U	2.1 U	1.0 U
	DTW31D042017 ^c	4/27/17	NA	NA	1.1 U	0.55 U	1.1 U	1.1 U	33 U	1.1 U	1.1 U	4.8 U	4.4 U	0.55 U	0.55 U	2.2 U	1.1 U	0.55 U	1.1 U	2.2 U	1.1 U
TMW32	TMW32102018	10/12/18	NA	NA	1.1 U	0.55 U	1.1 U	1.1 U	33 U	1.1 U	1.1 U	4.9 U	4.4 U	0.55 U	0.55 U	2.2 U	1.1 U	0.55 U	1.1 U	2.2 U	1.1 U
	TMW32042018	5/1/18	NA	NA	4.7 U	4.7 U	4.7 U	4.7 U	17 U	1.1 U	1.1 U	2.1 U	4.3 UJ	2.1 U	1.1 U	4.7 U	2.1 U	2.1 U	1.1 U	1.1 U	1.1 U
	TMW32102017	10/20/17	NA	NA	5.1 U	5.1 U	5.1 U	5.1 U	19 U	1.2 U	1.2 U	2.3 U	4.6 UJ	2.3 U	1.2 U	5.1 U	2.3 U	2.3 U	1.2 U	1.2 U	1.2 U
	TMW32042017	4/27/17	NA	NA	1.0 U	0.50 U	1.0 U	1.0 U	30 U	1.0 U	1.0 U	4.4 U									

Table 5-6: Summary of Semivolatile Organic Compounds and Total Petroleum Hydrocarbons Analytical Results (µg/L)

			Diesel Range Organics ^a	Gasoline Range Organics ^g	1,2,4- trichloro- benzene	1,2-dichloro- benzene	1,3-dichloro- benzene	1,4-dichloro- benzene	2,4-Dinitro- phenol	2-chloro- naphthalene	2-methyl- naphthalene	2-nitro- aniline	4-Nitro- phenol	Aceto- phenone	Benzyl alcohol	Bis (2- ethylhexyl) phthalate	Diethyl phthalate	Dimethyl phthalate	Naphthalene	Nitrobenzene	Phenanthrene
			CAS DRO	CAS GRO	CAS 120-82-1	CAS 95-50-1	CAS 541-73-1	CAS 106-46-7	CAS 51-28-5	CAS 91-58-7	CAS 91-57-6	CAS 88-74-4	CAS 100-02-7	CAS 98-86-2	CAS 100-51-6	CAS 117-81-7	CAS 84-66-2	CAS 131-11-3	CAS 91-20-3	CAS 98-95-3	CAS 85-01-8
Well Name	Sample Identifier	Sample Date	mg/L ^a	Screening Value (µg/L) ^b																	
			0.0167 ^a	10.1 ^g	70 ^f	600 ^f	75 ^f	75 ^f	39 ^e	750 ^e	30 ^f	190 ^e	91 ^e	1900 ^e	2000 ^e	6 ^d	15000 ^e	15000 ^e	30 ^f	1.4 ^e	NE
TMW37	TMW37102018	10/18/18	NA	NA	1.0 U	0.51 U	1.0 U	1.0 U	30 U	1.0 U	1.0 U	4.4 U	4.0 U	0.51 U	0.51 U	2.0 U	1.0 U	0.51 U	1.0 U	2.0 U	1.0 U
	TMW37042018	4/25/18	NA	NA	4.6 U	4.6 U	4.6 U	4.6 U	17 U	1.1 U	1.1 U	2.1 U	4.2 UJ	2.1 U	1.1 U	4.6 U	2.1 U	2.1 U	1.1 U	1.1 U	1.1 U
	TMW37102017	10/20/17	NA	NA	4.7 U	4.7 U	4.7 U	4.7 U	17 U	1.1 U	1.1 U	2.1 U	4.3 UJ	2.1 U	1.1 U	4.7 U	2.1 U	2.1 U	1.1 U	1.1 U	1.1 U
	TMW37042017	4/20/17	NA	NA	1.0 U	0.50 U	1.0 U	1.0 U	30 U	1.0 U	1.0 U	4.4 U	4.0 U	0.50 U	0.50 U	2.0 U	1.0 U	0.50 U	1.0 U	2.0 U	1.0 U
TMW38	TMW38102018	10/19/18	NA	NA	1.1 U	0.54 U	1.1 U	1.1 U	32 U	1.1 U	1.1 U	4.8 U	4.3 U	0.54 U	0.54 U	2.2 U	1.1 U	0.54 U	1.1 U	2.2 U	1.1 U
	TMW38042018	5/1/18	NA	NA	4.4 U	4.4 U	4.4 U	4.4 U	16 U	0.99 U	0.99 U	2.0 U	4.0 UJ	2.0 U	0.99 U	4.4 U	2.0 U	2.0 U	0.99 U	0.99 U	0.99 U
	TMW38102017	10/26/17	NA	NA	5.0 U	5.0 U	5.0 U	5.0 U	18 U	1.1 U	1.1 U	2.3 U	4.6 UJ	2.3 U	1.1 U	5.0 U	2.3 U	2.3 U	1.1 U	1.1 U	1.1 U
	TMW38042017	4/26/17	NA	NA	1.0 U	0.50 U	1.0 U	1.0 U	30 U	1.0 U	1.0 U	4.4 U	4.0 U	0.50 U	0.50 U	2.0 U	1.0 U	0.50 U	1.0 U	2.0 U	1.0 U
TMW39D	TMW39D102018	10/16/18	NA	NA	0.5 J	0.52 U	1.0 U	1.0 U	31 U	0.42 J	0.61 J	4.6 U	4.2 U	0.52 U	0.52 U	2.1 U	1.0 U	0.52 U	0.53 J	2.1 U	1.0 U
	TMW39D042018	5/3/18	NA	NA	1.0 U	0.52 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.5 U	4.1 UJ	0.52 U	0.52 U	2.1 U	1.0 U	0.52 U	1.0 U	2.1 U	1.0 U
	TMW39D102017	10/27/17	NA	NA	4.6 U	4.6 U	4.6 U	4.6 U	17 U	1.1 U	1.1 U	2.1 U	4.2 UJ	2.1 U	1.1 U	4.6 U	2.1 U	2.1 U	1.1 U	1.1 U	1.1 U
	TMW39D042017	4/27/17	NA	NA	1.1 U	0.55 U	1.1 U	1.1 U	33 U	1.1 U	1.1 U	4.8 U	4.4 U	0.55 U	0.55 U	2.2 U	1.1 U	0.55 U	1.1 U	2.2 U	1.1 U
TMW40D	TMW40D102018	10/12/18	NA	NA	1.1 U	0.53 U	1.1 U	1.1 U	32 U	1.1 U	1.1 U	4.7 U	4.2 U	0.53 U	0.53 U	2.1 U	1.1 U	0.53 U	1.1 U	2.1 U	1.1 U
	TMW40D042018	5/1/18	NA	NA	4.9 U	4.9 U	4.9 U	4.9 U	18 U	1.1 U	1.1 U	2.2 U	4.4 UJ	2.2 U	1.1 U	4.9 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U
	TMW40D102017	10/23/17	NA	NA	4.8 U	4.8 U	4.8 U	4.8 U	18 U	1.1 U	1.1 U	2.2 U	4.4 UJ	2.2 U	1.1 U	4.8 U	2.2 U	2.2 U	1.1 U	1.1 U	1.1 U
	TMW40D042017	4/25/17	NA	NA	1.0 U	0.52 U	1.0 U	1.0 U	31 U	1.0 U	1.0 U	4.6 U	4.2 U	0.52 U	0.52 U	2.1 U	1.0 U	0.52 U	1.0 U	2.1 U	1.0 U
TMW48	TMW48102018	10/16/18	NA	NA	0.29 J	0.51 U	1.0 U	1.0 U	31 U	0.78 J	0.87 J	4.5 U	4.1 U	0.51 U	0.51 U	2.0 U	1.0 U	0.51 U	1.0 U	2.0 U	1.0 U
	TMW48042018	5/2/18	NA	NA	1.1 U	0.53 U	1.1 U	1.1 U	32 U	1.1 U	1.1 U	4.7 U	4.2 UJ	0.53 U	0.53 U	2.1 U	1.1 U	0.53 U	1.1 U	2.1 U	1.1 U
	TMW48102017	10/27/17	NA	NA	5.0 U	5.0 U	5.0 U	5.0 U	18 U	1.1 U	1.1 U	2.3 U	4.6 UJ	2.3 U	1.1 U	5.0 U	2.3 U	2.3 U	1.1 U	1.1 U	1.1 U
	TMW48042017	4/26/17	NA	NA	1.1 U	0.56 U	1.1 U	1.1 U	34 U	1.1 U	1.1 U	4.9 U	4.5 U	0.56 U	0.56 U	2.2 U	1.1 U	0.56 U	1.1 U	2.2 U	1.1 U
TMW49	TMW49102018	10/17/18	NA	NA	1.1 U	0.54 U	1.1 U	1.1 U	32 U	1.1 U	1.1 U	4.7 U	4.3 U	0.54 U	0.54 U	2.1 U	1.1 U	0.54 U	1.1 U	2.1 U	1.1 U
	TMW49042018	5/4/18	NA	NA	1.1 U	0.54 U	1.1 U	1.1 U	32 U	1.1 U	1.1 U	4.7 U	4.3 UJ	0.54 U	0.54 U	2.2 U	1.1 U	0.54 U	1.1 U	2.2 U	1.1 U
	TMW49102017	10/27/17	NA	NA	4.7 U	4.7 U	4.7 U	4.7 U	17 U	1.1 U	1.1 U	2.2 U	4.3 UJ	2.2 U	1.1 U	4.7 U	2.2 U	2.2 U	1.1 U	14 J	1.1 U
	TMW49042017	4/26/17	NA	NA	1.1 U	0.56 U	1.1 U	1.1 U	33 U	1.1 U	1.1 U	4.9 U	4.4 U	0.56 U	0.56 U	0.73 J	1.1 U	0.56 U	1.1 U	2.2 U	1.1 U

Notes:

^a DRO results are presented in mg/L. The New Mexico Environment Department Risk Assessment Guidance groundwater screening level (February 2019) of 16.7 µg/L for Diesel #2/crankcase oil is converted to 0.0167 mg/L for comparison

^b DROs and GROs are analyzed using EPA Method 8015C, and the remaining SVOCs are analyzed using EPA Method 8270D.

^c EPA Region 6 regional screening levels: EPA, May 2019. <https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables>

^d EPA maximum contaminant level - CFR Title 40, Parts 141, 142, and 143.

^e Indicates a field duplicate sample.

^fNew Mexico Water Quality Control Commission standard - NMAC 20.6.2.3103

^g New Mexico Environment Department Risk Assessment Guidance groundwater screening level for gasoline, February 2019.

Bold indicates analyte was positively detected above screening values.

Acronyms and Abbreviations:

- µg/L = microgram per liter
- CAS = Chemical Abstracts Service (registry number)
- CFR = Code of Federal Regulations
- DRO = diesel range organics
- EPA = U.S. Environmental Protection Agency
- GRO = gasoline range organics
- J = (Estimated) The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to nonconformances discovered during data validation.
- mg/L = milligram per liter
- NA = not analyzed
- NE = not established
- NMAC = New Mexico Administrative Code
- SVOC = semivolatile organic compound
- U = (Non-detected) The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).
- UJ = (Non-detected estimated) The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

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Table 5-7: Summary of Pesticides and Herbicides Analytical Results (µg/L)

			2,2-Dichloropropionic Acid	beta-BHC	delta-BHC	Dinoseb
			CAS 75-99-0	CAS 319-85-7	CAS 319-86-8	CAS 88-85-7
Well	Sample	Sample	Screening Value (µg/L) ^a			
Name	Identifier	Date	200 ^b	0.25 ^c	0.25 ^c	7 ^b
Northern Alluvial Groundwater Zone						
BGMW01	BGMW01102018	10/9/18	NA	0.021 U	0.021 U	NA
	BGMW01042018	4/27/18	NA	0.023 U	0.023 U	NA
	BGMW01102017	10/23/17	NA	0.022 UJ	0.022 UJ	NA
	BGMW01042017	4/24/17	NA	0.021 U	0.021 U	NA
BGMW02	BGMW02102018	10/11/18	NA	0.021 U	0.021 U	NA
	BGMW02042018	4/26/18	NA	0.021 U	0.021 U	NA
	BGMW02102017	10/20/17	NA	0.024 UJ	0.024 UJ	NA
	BGMW02042017	4/21/17	NA	0.022 U	0.022 U	NA
BGMW03	BGMW03102018	10/10/18	NA	0.021 U	0.021 U	NA
	BGMW03042018	4/24/18	NA	0.022 U	0.022 U	NA
	BGMW03102017	10/19/17	NA	0.021 UJ	0.021 UJ	NA
	BGMW03042017	4/20/17	NA	0.021 U	0.021 U	NA
FW31	FW31102018	10/9/18	NA	0.022 U	0.022 U	NA
	FW31042018	4/23/18	NA	0.020 UJ	0.020 UJ	NA
	FW31102017	10/18/17	NA	0.021 U	0.021 U	NA
	FW31042017	4/17/17	NA	0.021 U	0.021 U	NA
MW01	MW01102018	10/9/18	NA	0.020 U	0.020 U	NA
	MW01042018	4/23/18	NA	0.022 UJ	0.022 UJ	NA
	MW01102017	10/24/17	NA	0.020 UJ	0.020 UJ	NA
	MW01042017	4/19/17	NA	0.020 UJ	0.020 UJ	NA
MW02	MW02102018	10/9/18	NA	0.020 U	0.020 U	NA
	MW02042018	4/23/18	NA	0.023 U	0.023 U	NA
	MW02102017	10/24/17	NA	0.021 UJ	0.021 UJ	NA
	MW02042017	4/19/17	NA	0.021 UJ	0.021 UJ	NA
MW20	MW20102018	10/15/18	NA	0.021 U	0.021 U	NA
	MW20042018	4/30/18	NA	0.021 U	0.021 U	NA
	MW20102017	10/23/17	NA	0.023 UJ	0.023 UJ	NA
	MW20042017	4/24/17	NA	0.020 U	0.020 U	NA
MW22D	MW22D102018	10/12/18	NA	0.022 U	0.022 U	NA
	MW22D042018	4/27/18	NA	0.022 U	0.022 U	NA
	MW22D102017	10/23/17	NA	0.020 UJ	0.020 UJ	NA
	MW22D042017	4/19/17	NA	0.021 U	0.021 U	NA
MW22S	MW22S102018	10/2018	Well was dry and not sampled			
	MW22S042018	04/2018	Well was dry and not sampled			
	MW22S102017	10/2017	Well was dry and not sampled			
	MW22S042017	04/2017	Well was dry and not sampled			
MW23	MW23102018	10/17/18	NA	0.022 U	0.022 U	NA
	MW23102018FD ^d	10/17/18	NA	0.021 U	0.021 U	NA
	MW23042018	4/24/18	NA	0.020 U	0.020 U	NA
	MW23042018FD ^d	4/24/18	NA	0.021 U	0.021 U	NA
	MW23102017	10/18/17	NA	0.021 U	0.021 U	NA
	MW23102017FD ^d	10/18/17	NA	0.022 U	0.022 U	NA
	MW23042017	4/18/17	NA	0.020 U	0.020 U	NA
	DMW23042017 ^d	4/18/17	NA	0.020 U	0.020 U	NA

Table 5-7: Summary of Pesticides and Herbicides Analytical Results (µg/L)

			2,2-Dichloropropionic Acid	beta-BHC	delta-BHC	Dinoseb
			CAS 75-99-0	CAS 319-85-7	CAS 319-86-8	CAS 88-85-7
Well	Sample	Sample	Screening Value (µg/L) ^a			
Name	Identifier	Date	200 ^b	0.25 ^c	0.25 ^c	7 ^b
MW24	MW24102018	10/17/18	NA	0.020 U	0.020 U	NA
	MW24102018FD ^d	10/17/18	NA	0.020 U	0.020 U	NA
	MW24042018	4/23/18	NA	0.021 UJ	0.021 UJ	NA
	MW24042018FD ^d	4/23/18	NA	0.020 UJ	0.020 UJ	NA
	MW24102017	10/17/17	NA	0.021 U	0.021 U	NA
	MW24102017FD 01 ^d	10/17/17	NA	0.022 U	0.022 U	NA
	MW24042017	4/17/17	NA	0.020 U	0.020 U	NA
	DMW24042017 ^d	4/17/17	NA	0.020 U	0.020 U	NA
TMW08	TMW08102018	10/11/18	NA	0.021 U	0.021 U	NA
	TMW08042018	4/27/18	NA	0.022 U	0.022 U	NA
	TMW08102017	10/20/17	NA	0.021 UJ	0.021 UJ	NA
	TMW08042017	4/21/17	NA	0.021 U	0.021 U	NA
TMW23	TMW23102018	10/11/18	NA	0.020 U	0.020 U	NA
	TMW23042018	4/25/18	NA	0.021 UJ	0.021 UJ	NA
	TMW23102017	10/19/17	NA	0.022 UJ	0.022 UJ	NA
	TMW23042017	4/20/17	NA	0.021 UJ	0.021 UJ	NA
TMW24	TMW24102018	10/18/18	NA	0.021 UJ	0.021 UJ	NA
	TMW24042018	4/30/18	NA	0.021 U	0.021 U	NA
	TMW24102017	10/24/17	NA	0.023 UJ	0.023 UJ	NA
	TMW24042017	4/25/17	NA	0.026 J	0.021 U	NA
TMW31S	TMW31S102018	10/11/18	NA	0.021 U	0.021 U	NA
	TMW31S042018	4/25/18	NA	0.022 U	0.022 U	NA
	TMW31S102017	10/25/17	NA	0.020 UJ	0.020 UJ	NA
	TMW31S042017	4/19/17	NA	0.023 U	0.023 U	NA
TMW35	TMW35102018	10/15/18	NA	0.019 U	0.019 U	NA
	TMW35042018	4/27/18	NA	0.022 U	0.022 U	NA
	TMW35102017	10/23/17	NA	0.023 UJ	0.023 UJ	NA
	TMW35042017	4/24/17	NA	0.022 U	0.022 U	NA
TMW39S	TMW39S102018	10/11/18	NA	0.020 U	0.020 U	NA
	TMW39S042018	4/25/18	NA	0.023 U	0.023 U	NA
	TMW39S102017	10/18/17	NA	0.021 U	0.021 U	NA
	TMW39S042017	4/19/17	NA	0.023 U	0.023 U	NA
TMW40S	TMW40S102018	10/9/18	NA	0.018 J	0.022 U	NA
	TMW40S042018	4/27/18	NA	0.023 UJ	0.031 J	NA
	TMW40S102017	10/27/17	NA	0.021 UJ	0.021 UJ	NA
	TMW40S042017	4/24/17	NA	0.022 U	0.022 U	NA
TMW41	TMW41102018	10/11/18	NA	0.020 U	0.020 U	NA
	TMW41042018	4/25/18	NA	0.021 U	0.021 U	NA
	TMW41102017	10/25/17	NA	0.024 UJ	0.024 UJ	NA
	TMW41042017	4/19/17	NA	0.021 U	0.021 U	NA
TMW43	TMW43102018	10/16/18	NA	0.020 U	0.020 U	NA
	TMW43102018FD ^d	10/16/18	NA	0.021 U	0.021 U	NA
	TMW43042018	5/2/18	NA	0.021 U	0.021 U	NA
	TMW43042018FD ^d	5/2/18	NA	0.022 U	0.022 U	NA
	TMW43102017	10/24/17	NA	0.022 UJ	0.022 UJ	NA
	TMW43102017FD ^d	10/24/17	NA	0.021 UJ	0.030 J	NA
	TMW43042017	4/27/17	NA	0.021 U	0.021 U	NA
	DTW43042017	4/27/17	NA	0.021 U	0.021 U	NA

Table 5-7: Summary of Pesticides and Herbicides Analytical Results (µg/L)

			2,2- Dichloropropionic Acid	beta-BHC	delta-BHC	Dinoseb
			CAS 75-99-0	CAS 319-85-7	CAS 319-86-8	CAS 88-85-7
Well	Sample	Sample	Screening Value (µg/L) ^a			
Name	Identifier	Date	200 ^b	0.25 ^c	0.25 ^c	7 ^b
TMW44	TMW44102018	10/11/18	NA	0.020 U	0.020 U	NA
	TMW44042018	4/25/18	NA	0.022 U	0.022 U	NA
	TMW44102017	10/25/17	NA	0.022 UJ	0.022 UJ	NA
	TMW44042017	4/19/17	NA	0.023 U	0.023 U	NA
TMW45	TMW45102018	10/17/18	NA	0.021 U	0.021 U	NA
	TMW45042018	5/2/18	NA	0.022 U	0.022 U	NA
	TMW45102017	10/27/17	NA	0.020 U	0.020 U	NA
	TMW45042017	4/28/17	NA	0.021 U	0.021 U	NA
TMW46	TMW46102018	10/10/18	NA	0.022 U	0.022 U	NA
	TMW46042018	4/25/18	NA	0.023 U	0.023 U	NA
	TMW46102017	10/25/17	NA	0.022 UJ	0.022 UJ	NA
	TMW46042017	4/20/17	NA	0.020 U	0.020 U	NA
TMW47	TMW47102018	10/17/18	NA	0.022 U	0.022 U	NA
	TMW47042018	5/3/18	NA	0.022 U	0.022 U	NA
	TMW47102017	10/26/17	NA	0.019 U	0.019 U	NA
	TMW47042017	4/25/17	NA	0.021 U	0.021 U	NA
Northern Bedrock Groundwater Zone						
BGMW07	BGMW07102018	10/12/18	2.0 U	0.021 UJ	0.021 UJ	0.98 U
	BGMW07042018	4/26/18	1.8 J	0.022 U	0.022 U	1.0 UJ
BGMW08	BGMW08102018	10/9/18	1.9 UJ	0.22 UJ	0.22 UJ	0.71 J
	BGMW08072018	7/18/18	NA	NA	NA	NA
	BGMW08042018	04/2018	Well was dry and not sampled			
BGMW09	BGMW09102018	10/10/18	2.0 U	0.022 UJ	0.022 UJ	1.0 U
	BGMW09102018FD ^d	10/10/18	1.9 U	0.020 UJ	0.020 UJ	0.97 U
	BGMW09042018	5/1/18	2.0 U	0.022 UJ	0.022 UJ	0.99 U
BGMW10	BGMW10102018	10/11/18	1.9 U	0.020 U	0.020 U	0.97 U
	BGMW10042018	4/27/18	1.9 U	0.021 U	0.021 U	0.94 UJ
TMW30	TMW30102018	10/11/18	NA	0.021 U	0.021 U	NA
	TMW30042018	4/26/18	NA	0.022 U	0.022 U	NA
	TMW30102017	10/25/17	NA	0.022 UJ	0.022 UJ	NA
	TMW30042017	4/19/17	NA	0.021 U	0.021 U	NA
TMW31D	TMW31D102018	10/16/18	NA	0.021 U	0.021 U	NA
	TMW31D102018FD ^d	10/16/18	NA	0.021 U	0.021 U	NA
	TMW31D042018	5/2/18	NA	0.022 U	0.022 U	NA
	TMW31D042018FD ^d	5/2/18	NA	0.022 U	0.022 U	NA
	TMW31D102017	10/26/17	NA	0.023 U	0.023 U	NA
	TMW31D102017FD ^d	10/26/17	NA	0.021 U	0.021 U	NA
	TMW31D042017	4/27/17	NA	0.022 U	0.022 U	NA
	DTW31D042017	4/27/17	NA	0.021 U	0.021 U	NA
TMW32	TMW32102018	10/12/18	NA	0.019 U	0.019 U	NA
	TMW32042018	5/1/18	NA	0.020 U	0.020 U	NA
	TMW32102017	10/20/17	NA	0.024 UJ	0.024 UJ	NA
	TMW32042017	4/27/17	NA	0.021 U	0.021 U	NA
TMW36	TMW36102018	10/18/18	NA	0.021 UJ	0.021 UJ	NA
	TMW36042018	4/25/18	NA	0.020 U	0.020 U	NA
	TMW36102017	10/19/17	NA	0.021 UJ	0.021 UJ	NA
	TMW36042017	4/20/17	NA	0.020 U	0.020 U	NA

Table 5-7: Summary of Pesticides and Herbicides Analytical Results (µg/L)

			2,2-Dichloropropionic Acid	beta-BHC	delta-BHC	Dinoseb
			CAS 75-99-0	CAS 319-85-7	CAS 319-86-8	CAS 88-85-7
Well	Sample	Sample	Screening Value (µg/L) ^a			
Name	Identifier	Date	200 ^b	0.25 ^c	0.25 ^c	7 ^b
TMW37	TMW37102018	10/18/18	NA	0.020 UJ	0.020 UJ	NA
	TMW37042018	4/25/18	NA	0.021 U	0.021 U	NA
	TMW37102017	10/20/17	NA	0.022 UJ	0.022 UJ	NA
	TMW37042017	4/20/17	NA	0.021 U	0.021 U	NA
TMW38	TMW38102018	10/19/18	NA	0.021 U	0.021 U	NA
	TMW38042018	5/1/18	NA	0.021 U	0.021 U	NA
	TMW38102017	10/26/17	NA	0.023 U	0.023 U	NA
	TMW38042017	4/26/17	NA	0.020 U	0.020 U	NA
TMW39D	TMW39D102018	10/16/18	NA	0.021 U	0.021 U	NA
	TMW39D042018	5/3/18	NA	0.021 U	0.021 U	NA
	TMW39D102017	10/27/17	NA	0.021 U	0.021 U	NA
	TMW39D042017	4/27/17	NA	0.022 U	0.022 U	NA
TMW40D	TMW40D102018	10/12/18	NA	0.021 U	0.021 U	NA
	TMW40D042018	5/1/18	NA	0.022 U	0.022 U	NA
	TMW40D102017	10/23/17	NA	0.022 UJ	0.022 UJ	NA
	TMW40D042017	4/25/17	NA	0.021 U	0.021 U	NA
TMW48	TMW48102018	10/16/18	NA	0.021 U	0.021 U	NA
	TMW48042018	5/2/18	NA	0.021 U	0.021 U	NA
	TMW48102017	10/27/17	NA	0.023 U	0.023 U	NA
	TMW48042017	4/26/17	NA	0.022 U	0.022 U	NA
TMW49	TMW49102018	10/17/18	NA	0.022 U	0.022 U	NA
	TMW49042018	5/4/18	NA	0.022 U	0.022 U	NA
	TMW49102017	10/27/17	NA	0.022 U	0.022 U	NA
	TMW49042017	4/26/17	NA	0.022 U	0.022 U	NA

Notes:

^a Pesticides are analyzed using EPA Method 8081A and herbicides are analyzed using EPA Method 8151A.

^b EPA maximum contaminant level – 40 CFR Parts 141, 142, and 143.

^c EPA Region 6 regional screening levels, May 2019. <https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables>

^d Indicates a field duplicate sample.

Bolded values indicate analyte was positively detected above screening values.

Acronyms and Abbreviations:

µg/L = microgram per liter

CAS = Chemical Abstracts Service

CFR = Code of Federal Regulations

EPA = U.S. Environmental Protection Agency

J = (Estimated) The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to nonconformances discovered during data validation.

U = (Non-detected) The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ = (Non-detected estimated) The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to nonconformances discovered during data validation.

Table 5-8: Summary of Polychlorinated Biphenyls Analytical Results (µg/L)

			PCB-1016	PCB-1221	PCB-1232	PCB-1242	PCB-1248	PCB-1254	PCB-1260
			CAS 12674-11-2	CAS 11104-28-2	CAS 11141-16-5	CAS 53469-21-9	CAS 12672-29-6	CAS 11097-69-1	CAS 11096-82-5
Well	Sample	Sample	Screening Value (µg/L) ^a						
Name	Identifier	Date	0.5 ^b	0.5 ^b	0.5 ^b	0.5 ^b	0.5 ^b	0.5 ^b	0.5 ^b
Northern Bedrock Groundwater Zone									
BGMW07	BGMW07102018	10/12/2018	0.41 U	0.26 U	0.62 U	0.31 U	0.31 U	0.26 U	0.41 U
	BGMW07042018	4/26/18	0.43 U	0.27 U	0.65 U	0.32 U	0.32 U	0.27 U	0.43 U
BGMW08	BGMW08102018	10/9/2018	4.3 U	2.7 U	6.5 U	3.3 U	3.3 U	2.7 U	4.3 U
	BGMW08042018	04/2018	Well was dry and not sampled						
BGMW09	BGMW09102018	10/10/2018	0.43 U	0.27 U	0.65 U	0.32 U	0.32 U	0.27 U	0.43 U
	BGMW09102018FD ^c	10/10/2018	0.41 U	0.25 U	0.61 U	0.30 U	0.30 U	0.25 U	0.41 U
	BGMW09042018	5/1/18	0.41 UJ	0.26 UJ	0.62 UJ	0.31 UJ	0.31 UJ	0.26 UJ	0.41 UJ
BGMW10	BGMW10102018	10/11/2018	4.1 U	2.6 U	6.1 U	3.1 U	3.1 U	2.6 U	4.1 U
	BGMW10042018	4/27/18	0.41 U	0.26 U	0.62 U	0.31 U	0.31 U	0.26 U	0.41 U

Notes:

^a PCBs are analyzed using EPA Method 8082A.

^b EPA maximum contaminant level - 40 CFR Parts 141, 142, and 143.

^cIndicates a field duplicate sample.

Acronyms and Abbreviations:

µg/L = microgram per liter

CAS = Chemical Abstracts Service

CFR = Code of Federal Regulations

EPA = U.S. Environmental Protection Agency

PCB = polychlorinated biphenyl

U = (Non-detected) The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ = (Non-detected estimated) The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to nonconformances discovered during data validation.

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Table 5-9: Summary of Dissolved Metals Analytical Results - Method 6020A (µg/L)

			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	
			CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS
			7440-36-0	7440-38-2	7440-39-3	7440-41-7	7440-43-9	7440-47-3	7440-48-4	7440-50-8	7439-92-1	7439-96-5	7440-02-0	7782-49-2	7440-22-4	7440-28-0	7440-62-2	7440-66-6	
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^a																
			6 ^b	10 ^b	2000 ^b	4 ^b	5 ^b	50 ^b	50 ^b	1000 ^b	15 ^b	200 ^b	200 ^b	50 ^b	50 ^b	2 ^b	86 ^c	10000 ^b	
Northern Alluvial Groundwater Zone																			
BGMW01	BGMW01102018	10/9/18	1.0 U	0.66 J	16	0.30 U	1.0 U	1.8 U	0.24 J	0.86 J	0.70 U	210	1.0 J	2.0 U	0.033 J	0.20 U	1.0 J	8.0 U	
	BGMW01042018	4/27/18	0.41 J	0.71 J	21	0.3 U	1.0 U	0.97 J	0.47 U	1.3 J	0.34 J	230	1.9 J	2.0 U	0.55 J	0.20 J	2.6 J	3.8 U	
	BGMW01102017	10/23/17	1.0 U	0.79 J	15	0.30 U	1.0 U	1.8 U	0.21 J	1.8 U	0.70 U	170	1.6 J	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	BGMW01042017	4/24/17	0.53 J	0.73 J	17 J	0.30 UJ	1.0 U	1.8 U	0.24 J	0.62 J	0.70 UJ	160 J	1.2 J	2.0 U	0.10 UJ	0.20 U	1.2 J	8.0 UJ	
BGMW02	BGMW02102018	10/11/18	0.5 J	0.8 J	14	0.30 U	1.0 U	1.8 U	0.20 U	0.86 J	0.70 U	64	0.99 J	54	0.10 U	0.20 U	5.1 J	8.0 U	
	BGMW02042018	4/26/18	1.0 U	1.0 J	17	0.30 U	1.0 U	1.8 U	0.084 J	2.4	0.7	67	0.68 J	64	0.10 U	0.20 U	6.8	5.2 U	
	BGMW02102017	10/20/17	1.0 U	0.98 J	15	0.30 U	1.0 U	1.8 U	0.20 U	1.3 J	0.70 U	70	1.0 U	57	0.10 U	0.20 U	7.0 U	8.0 UJ	
	BGMW02042017	4/21/17	1.0 U	0.76 J	15	0.30 U	1.0 U	3.9 J	0.082 J	0.67 J	0.70 U	67	0.48 J	65	0.10 U	0.20 U	5.1 J	8.0 U	
BGMW03	BGMW03102018	10/10/18	1.0 U	1.1 J	34	0.30 U	1.0 U	1.8 U	0.21 J	2.3	0.18 J	8.3	0.76 J	11	0.10 U	0.20 U	7.3	8.0 U	
	BGMW03042018	4/24/18	1.0 U	1.7 J	27	0.095 U	1.0 U	1.8 U	0.18 J	2.3 U	0.70 U	34	0.61 J	23	0.10 U	0.20 U	9.5	8.0 U	
	BGMW03102017	10/19/17	1.0 U	1.6 J	30	0.30 U	1.0 U	0.80 J	0.20 U	2.2	0.70 U	8.2	1.0 U	26	0.050 J	0.20 U	8.4	8.0 U	
	BGMW03042017	4/20/17	1.0 U	1.9 J	36	0.30 U	1.0 U	1.8 U	0.31 J	2.3	0.70 U	96 J	1.1 J	26 J	0.10 U	0.20 U	11	8.0 U	
FW31	FW31102018	10/9/18	1.0 U	5.2	9.8	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	0.69 J	0.4 J	2.0 U	0.10 U	0.20 U	9	8.0 U	
	FW31042018	4/23/18	1.0 U	5.7	9.4	0.30 U	1.0 U	1.8 U	0.20 U	0.83 J	0.70 U	17	1.0 U	2.0 U	0.10 U	0.20 U	9.3	8	
	FW31102017	10/18/17	1.0 U	5.8	21	0.30 U	1.0 U	1.8 U	0.12 J	0.58 J	0.20 J	7.9	1.0 U	2.0 U	0.10 U	0.20 U	8.5	8.0 U	
	FW31042017	4/17/17	1.0 U	7.4	14 J	0.30 U	1.0 U	1.3 J	0.20 U	1.8 U	0.70 U	0.95 UJ	1.0 U	2.0 U	0.10 U	0.20 U	13	8.0 U	
FW35	Well has been dry since 2015		Well was dry and was not sampled																
MW01	MW01102018	10/9/18	1.0 UJ	1.5 J	81 J	0.30 U	1.0 U	5.6 J	1.9	3.7	2.6 J	110	4.6	12	0.10 U	0.076 J	11	38	
	MW01042018	4/23/18	1.0 U	0.69 J	34	0.18 J	1.0 U	1.6 J	0.56 J	2.3	0.83 J	37	1.9 J	15	0.10 U	0.20 U	3.7 J	13 J	
	MW01102017	10/24/17	1.0 U	1.9 J	97	0.61 J	1.0 U	5.9 J	2.4	5.6	4.3	170	4.9	16	0.10 U	0.20 U	13	47	
	MW01042017	4/19/17	0.70 J	8	450	1.8	1.0 U	28	12	19	18	910	26	15	0.089 J	0.37 J	53	190	
MW02	MW02102018	10/9/18	1.0 U	1.0 U	36	0.30 U	1.0 U	1.4 J	0.12 J	1.1 J	0.70 U	8.0	0.67 J	12	0.10 U	0.20 U	0.82 J	23	
	MW02042018	4/23/18	0.55 U	1.0 U	39	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	1.3 J	0.32 J	11	0.10 U	0.20 U	2.0 U	23	
	MW02102017	10/24/17	1.0 U	1.0 U	35	0.30 U	1.0 U	1.8 U	0.076 J	1.1 J	0.70 U	2.0 J	0.85 J	12	0.10 U	0.20 U	2.0 U	22	
	MW02042017	4/19/17	1.0 U	1.0 U	44	0.088 J	1.0 U	1.8 U	0.20 U	0.77 J	0.70 U	2.4 J	1.0 U	12	0.10 U	0.20 U	1.1 J	42	
MW03	MW03102018	10/15/18	1.0 U	0.38 J	10	0.30 U	1.0 U	1.8 U	0.14 J	0.77 J	0.70 U	51	0.65 J	27	0.10 U	0.20 U	2.0 U	11 J	
	MW03042018	4/27/18	1.0 U	0.36 J	9.7	0.30 U	1.0 U	1.8 U	0.11 U	1.8 J	0.70 U	40	0.56 J	28	0.10 U	0.20 U	0.96 J	6.7 U	
	MW03102017	10/23/17	1.0 U	0.34 J	10	0.30 U	1.0 U	1.8 U	0.11 J	1.8 U	0.70 U	44	0.85 J	28	0.10 U	0.20 U	0.66 J	5.5 J	
	MW03042017	4/21/17	1.0 U	0.35 J	9.3	0.30 U	1.0 U	4.5 J	0.11 J	0.71 J	0.70 U	44	0.69 J	27	0.039 J	0.20 U	2.0 U	4.7 J	
MW18D	MW18D102018	10/10/18	1.0 U	0.79 J	16	0.30 U	0.33 J	1.8 U	0.3 J	11	0.38 J	530	2.1 J	2.0 U	0.10 U	0.20 U	6.2	130	
	MW18D042018	4/25/18	0.88 J	0.69 J	19	0.093 U	0.58 J	0.95 J	0.42 J	16	1.5 J	550	2.4 J	2.0 U	0.10 U	0.20 U	13	330	
	MW18D102017	10/19/17	1.5 U	1.5 J	52	0.30 U	1.0 U	4.4 J	1.3	12	4.7	770	5.3	2.0 U	0.10 U	0.20 U	28	580	
	MW18D042017	4/20/17	1.1 J	0.99 J	18	0.30 U	1.0 U	1.8 U	0.70 J	3.9	1.0 J	620 J	4.6	1.1 J	0.10 U	0.20 U	25	470	
MW18S	Well has been dry since 2011									Well was dry and was not sampled									
MW20	MW20102018	10/15/18	1.0 U	0.39 J	16	0.30 U	1.0 U	1.8 U	1.5	3.4	0.70 U	1500	3.8	70	0.10 U	0.20 U	2.0 U	81	
	MW20042018	4/30/18	0.74 U	0.33 J	17	0.30 U	1.0 U	13	1.5	12	0.70 U	1800	4.1	88	0.043 J	0.20 U	0.65 J	100	
	MW20102017	10/23/17	1.0 U	0.38 J	16	0.30 U	1.0 U	0.78 J	1.3	2.5 U	0.70 U	1500	3.5	82	0.035 J	0.20 U	2.0 U	92	
	MW20042017	4/24/17	1.0 U	1.0 U	17 J	0.30 UJ	1.0 U	1.8 U	1.1	4.1 J	0.89 J	1400 J	2.9 J	59	0.10 UJ	0.20 U	2.0 U	79 J	

Table 5-9: Summary of Dissolved Metals Analytical Results - Method 6020A (µg/L)

			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	
			CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS
			7440-36-0	7440-38-2	7440-39-3	7440-41-7	7440-43-9	7440-47-3	7440-48-4	7440-50-8	7439-92-1	7439-96-5	7440-02-0	7782-49-2	7440-22-4	7440-28-0	7440-62-2	7440-66-6	
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^a																
			6 ^b	10 ^b	2000 ^b	4 ^b	5 ^b	50 ^b	50 ^b	1000 ^b	15 ^b	200 ^b	200 ^b	50 ^b	50 ^b	2 ^b	86 ^c	10000 ^b	
MW22D	MW22D102018	10/12/18	1.0 U	0.38 J	13 J	0.30 U	1.0 U	1.8 U	0.2 J	1.0 J	0.70 U	150	0.96 J	41	0.035 J	0.20 U	0.76 J	21	
	MW22D042018	4/27/18	1.0 U	1.0 U	11	0.30 U	1.0 U	1.8 U	0.20 U	1.2 J	0.70 U	140	1.0 J	39	0.1 U	0.2 U	1.2 J	36	
	MW22D102017	10/23/17	1.0 U	1.0 U	9.9	0.30 U	1.0 U	1.8 U	0.15 J	1.8 U	0.70 U	130	1.0 J	41	0.10 U	0.20 U	0.88 J	4.6 J	
	MW22D042017	4/19/17	1.0 U	0.41 J	11	0.30 U	1.0 U	1.8 U	0.16 J	1.8 U	0.70 U	130	0.77 J	36	0.10 U	0.20 U	1.4 J	8.7 J	
MW22S	MW22S102018	10/2018	Well was dry and was not sampled																
	MW22S042018	4/2018	Well was dry and was not sampled																
	MW22S102017	10/2017	Well was dry and was not sampled																
	MW22S042017	4/2017	Well was dry and was not sampled																
MW23	MW23102018	10/17/18	0.48 J	1.0 J	210	0.30 U	1.0 U	0.55 J	0.61 J	1.8 U	0.32 J	67	1.7 J	2.0 U	0.036 J	0.20 U	2.0 U	8.0 U	
	MW23102018FD ^d	10/17/18	1.0 U	1.2 J	210	0.30 U	1.0 U	0.75 J	0.68 J	1.1 J	0.37 J	68	1.5 J	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	MW23042018	4/24/18	1.0 U	1.1 J	200	0.30 U	1.0 U	0.69 J	0.31 J	1.8 U	0.70 U	70	2.2 J	2.0 U	0.10 U	0.20 U	2.3 J	2.2 J	
	MW23042018FD ^d	4/24/18	1.0 U	1.1 J	210	0.24 J	1.0 U	1.8 U	0.28 J	1.8 U	0.70 U	69	2.2 J	2.0 U	0.10 U	0.20 U	1.9 J	2.1 J	
	MW23102017	10/18/17	1.0 U	1.1 J	160	0.30 U	1.0 U	1.8 U	0.64 J	5.2 J	0.18 J	58	1.2 J	2.0 U	0.10 U	0.20 U	2.7 J	2.1 J	
	MW23102017FD ^d	10/18/17	0.42 J	1.1 J	160	0.24 J	1.0 U	1.8 U	0.74 J	2.0 J	0.29 J	58	1.3 J	2.0 U	0.035 J	0.076 J	2.7 J	8.0 U	
	MW23042017	4/18/17	1.0 U	1.5 J	140 J	0.12 J	1.0 U	0.61 J	0.97 J	2.8 U	0.39 J	72 J	1.8 U	2.0 U	0.085 J	0.20 U	7.6	8.0 U	
	DMW23042017 ^d	4/18/17	1.0 U	1.1 J	140 J	0.17 J	1.0 U	0.74 J	0.88 J	2.5 U	0.41 J	68 J	1.7 U	2.0 U	0.042 J	0.20 U	6.6	8.0 U	
MW24	MW24102018	10/17/18	1.0 U	0.73 J	280	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	430	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	MW24102018FD ^d	10/17/18	1.0 U	0.56 J	280	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	440	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	MW24042018	4/23/18	1.0 U	0.64 J	210	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	420	1.0 U	2.0 U	0.10 U	0.20 U	0.58 U	8.0 U	
	MW24042018FD ^d	4/23/18	1.0 U	0.53 J	210	0.30 U	1.0 U	1.8 U	0.080 J	1.2 J	0.70 U	410	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	MW24102017	10/17/17	1.0 U	0.75 J	300	0.30 U	1.0 U	1.8 U	0.062 J	1.8 U	0.70 U	420	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	MW24102017FD 01 ^d	10/17/17	1.0 U	0.65 J	290	0.30 U	1.0 U	1.8 U	0.054 J	1.8 U	0.70 U	420	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	MW24042017	4/17/17	1.0 U	0.51 J	290 J	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	450 J	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	DMW24042017 ^d	4/17/17	1.0 U	0.49 J	280 J	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	450 J	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
SMW01	SMW01102018	10/12/18	1.0 U	1.8 J	37	0.2 J	1.0 U	0.68 J	0.58 J	2.2	0.70 U	290	2.8 J	1.0 J	0.055 J	0.086 J	3.7 J	2.9 J	
	SMW01042018	4/26/18	1.0 U	1.8 J	37	0.30 U	1.0 U	1.8 U	0.41 J	1.8 J	0.70 U	190	2.6 J	0.92 U	0.10 U	0.20 U	3.3 J	5.3 U	
	SMW01102017	10/20/17	1.0 U	1.5 J	35	0.30 U	1.0 U	1.8 U	0.33 U	2.2	0.70 U	150	0.76 J	2.0 U	0.10 U	0.20 U	2.6 J	4.4 J	
	SMW01042017	4/21/17	1.0 U	1.2 J	35	0.30 U	1.0 U	1.8 U	0.19 J	0.87 J	0.70 U	60	2.3 J	1.3 J	0.10 U	0.20 U	1.2 J	8.0 U	
TMW01	TMW01102018	10/15/18	1.0 U	0.87 J	9.9	0.30 U	1.0 U	0.52 J	0.20 U	4.1	0.70 U	8.5	1.0 U	3.9 J	0.10 U	0.20 U	12	8.0 U	
	TMW01042018	5/4/18	0.43 U	0.85 J	11	0.30 U	1.0 U	0.54 J	0.20 U	3.3	0.70 U	9.4	0.53 J	4.0 J	0.10 U	0.20 U	13	2.1 J	
	TMW01102017	10/27/17	1.0 U	0.82 J	13	0.30 U	1.0 U	1.8 U	0.065 J	4.4	0.70 U	7.8	1.0 U	4.6 J	0.10 U	0.20 U	14	2.4 J	
	TMW01042017	4/25/17	1.0 U	0.76 J	12	0.30 U	1.0 U	1.8 U	0.20 U	4.4	0.70 U	7.5	1.0 U	4.5 J	0.10 U	0.20 U	13	8.0 U	
TMW03	TMW03102018	10/12/18	1.0 U	0.5 J	13	0.30 U	1.0 U	1.8 U	0.062 J	0.69 J	0.70 U	5.3	1.0 U	49	0.10 U	0.20 U	1.5 J	6.6 J	
	TMW03042018	4/30/18	1.0 U	0.49 J	13	0.30 U	1.0 U	1.8 U	0.071 J	2.3	0.70 U	5.7	0.31 J	60	0.10 U	0.20 U	1.8 J	9.8 J	
	TMW03102017	10/25/17	1.0 U	0.47 J	13	0.30 U	1.0 U	1.8 U	0.063 J	1.2 J	0.70 U	4.4	1.0 U	57	0.10 U	0.20 U	2.0 U	5.8 J	
	TMW03042017	4/24/17	1.0 U	0.57 J	13 J	0.30 UJ	1.0 U	1.8 U	0.086 J	1.3 J	0.70 UJ	4.9 J	0.87 J	57	0.10 UJ	0.20 U	1.8 J	7.1 J	
TMW04	TMW04102018	10/16/18	1.0 U	0.96 J	7.0	0.30 U	1.0 U	1.8 U	0.072 J	1.8 U	0.70 U	0.95 U	1.0 U	76	0.10 U	0.20 U	14	8.0 U	
	TMW04042018	5/2/18	1.0 U	0.97 J	8.1	0.30 U	1.0 U	2.8 J	0.20 J	1.8 U	0.70 U	0.95 U	1.0 U	85	0.10 U	0.20 U	17	4.0 J	
	TMW04102017	10/25/17	1.0 U	0.96 J	7.7	0.30 U	1.0 U	3.9 J	0.20 U	1.8 U	0.70 U	0.95 U	1.0 U	89	0.10 U	0.20 U	15	2.4 J	
	TMW04042017	4/24/17	1.0 U	0.88 J	8.3 J	0.30 UJ	1.0 U	1.5 J	0.20 U	1.8 UJ	0.70 UJ	0.95 UJ	1.0 U	87	0.10 UJ	0.20 U	16	2.5 J	

Table 5-9: Summary of Dissolved Metals Analytical Results - Method 6020A (µg/L)

			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	
			CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS
			7440-36-0	7440-38-2	7440-39-3	7440-41-7	7440-43-9	7440-47-3	7440-48-4	7440-50-8	7439-92-1	7439-96-5	7440-02-0	7782-49-2	7440-22-4	7440-28-0	7440-62-2	7440-66-6	
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^a																
			6 ^b	10 ^b	2000 ^b	4 ^b	5 ^b	50 ^b	50 ^b	1000 ^b	15 ^b	200 ^b	200 ^b	50 ^b	50 ^b	2 ^b	86 ^c	10000 ^b	
TMW06	TMW06102018	10/12/18	1.0 U	0.98 J	17	0.30 U	1.0 U	1.8 U	0.20 U	1.9 J	0.70 U	29	0.68 J	1.0 J	0.10 U	0.20 U	2.5 J	8.0 U	
	TMW06042018	4/30/18	1.0 U	0.81 J	15	0.30 U	1.0 U	1.8 U	0.20 U	1.7 J	0.70 U	31	0.80 J	2.2 J	0.10 U	0.20 U	3.4 J	3.0 J	
	TMW06102017	10/17/17	1.0 U	0.88 J	15	0.30 U	1.0 U	1.8 U	0.20 U	3.1	0.70 U	33	0.55 J	1.2 J	0.10 U	0.20 U	2.0 J	8.0 U	
	TMW06042017	4/20/17	1.0 U	0.91 J	15	0.30 U	1.0 U	1.8 U	0.20 U	2.2	0.70 U	27 J	0.68 J	1.4 J	0.10 U	0.20 U	1.1 J	3.1 U	
TMW07	TMW07102018	10/10/18	1.0 U	1.0 U	12	0.30 U	1.0 U	1.8 U	0.35 J	1.4 J	0.70 U	350	1.1 J	2.0 U	0.10 U	0.20 U	6.6	7.1 U	
	TMW07042018	4/25/18	1.0 U	1.0 U	0.95 U	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.45 U	0.45 U	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW07102017	10/19/17	1.0 U	0.42 J	16	0.30 U	1.0 U	1.8 U	0.33 U	1.8 U	0.70 U	280	0.67 J	2.0 U	0.10 U	0.20 U	5.8 J	4.4 J	
	TMW07042017	4/20/17	1.0 U	0.87 J	16	0.089 J	1.0 U	1.8 U	0.57 J	0.61 J	0.70 U	370 J	3.6	2.0 U	0.10 U	0.20 U	3.6 J	8.0 U	
TMW08	TMW08102018	10/11/18	1.0 U	0.37 J	9.6	0.30 U	1.0 U	1.8 U	0.5 J	2.3	0.70 U	420	1.2 J	24	0.10 U	0.20 U	2.0 U	5.2 J	
	TMW08042018	4/27/18	1.0 U	0.44 J	10	0.30 U	1.0 U	1.8 U	0.56 U	2	0.70 U	440	1.5 J	27	0.10 U	0.20 U	0.65 J	7.3 U	
	TMW08102017	10/20/17	1.0 U	0.41 J	9.9	0.30 U	1.0 U	1.8 U	0.58 U	2.0	0.70 U	380	1.7 J	35	0.10 U	0.20 U	2.0 U	6.6 J	
	TMW08042017	4/21/17	1.0 U	0.35 J	10	0.30 U	1.0 U	1.8 U	0.63 J	1.5 J	0.70 U	390	1.5 J	41	0.10 U	0.20 U	2.0 U	6.2 J	
TMW10	TMW10102018	10/10/18	1.0 U	0.63 J	13	0.30 U	1.0 U	1.8 U	0.20 U	1.0 J	0.70 U	7.6	0.67 J	2.0 U	0.10 U	0.20 U	2.0 J	8.0 U	
	TMW10042018	4/24/18	1.0 U	0.82 J	16	0.30 U	1.0 U	1.8 U	0.14 J	3.5 U	0.70 U	40	0.74 J	2.0 U	0.10 U	0.20 U	2.8 J	2.0 J	
	TMW10102017	10/25/17	1.0 U	0.74 J	15	0.30 U	1.0 U	1.8 U	0.10 J	2.3	0.70 U	42	0.99 J	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW10042017	4/21/17	1.0 U	0.66 J	17	0.30 U	1.0 U	1.8 U	0.20 U	1.1 J	0.70 U	6.4	1.9 J	2.0 U	0.10 U	0.20 U	0.78 J	9.2 J	
TMW11	TMW11102018	10/11/18	1.0 U	0.57 J	41	0.30 U	1.0 U	1.8 U	0.081 J	1.8 U	0.70 U	30	0.59 J	2.0 U	0.10 U	0.20 U	5.1 J	16 UJ	
	TMW11042018	5/2/18	1.0 U	1.0 U	26	0.30 U	1.0 U	3.8 J	0.20 U	0.57 J	0.70 U	8.1	0.70 J	17	0.10 U	0.20 U	3.4 J	3.3 J	
	TMW11102017	10/27/17	1.0 U	0.51 J	28	0.30 U	1.0 U	2.4 J	0.20 U	1.8 U	0.70 U	1.6 U	0.49 J	15	0.10 U	0.20 U	3.4 J	2.5 J	
	TMW11042017	4/26/17	1.0 U	0.38 J	22	0.30 U	1.0 U	3.2 J	0.080 J	0.92 J	0.70 U	7.7	1.4 J	14	0.10 U	0.20 U	2.6 J	3.7 J	
TMW13	TMW13102018	10/15/18	1.0 U	1.0 U	16	0.30 U	1.0 U	1.0 J	0.20 U	0.83 J	0.70 U	0.95 U	1.0 U	10	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW13042018	5/1/18	1.0 U	1.0 U	18	0.30 U	1.0 U	0.59 J	0.20 U	0.98 J	0.70 U	0.95 U	1.0 U	12	0.10 U	0.20 U	3.1 J	2.1 J	
	TMW13102017	10/26/17	1.0 U	1.0 U	17	0.30 U	1.0 U	0.58 J	0.20 U	1.8 U	0.70 U	0.95 U	1.0 U	11	0.10 U	0.20 U	2.7 J	2.6 J	
	TMW13042017	4/25/17	1.0 U	1.0 U	18	0.30 U	1.0 U	1.8 U	0.20 U	0.65 J	0.70 U	0.41 J	1.0 U	11	0.10 U	0.20 U	1.9 J	8.0 U	
TMW15	TMW15102018	10/16/18	1.0 U	1.0 U	20	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	0.95 U	1.0 U	12	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW15102018FD ^d	10/16/18	1.0 U	1.0 U	20	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	0.95 U	1.0 U	11	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW15042018	5/3/18	1.0 U	1.0 U	20	0.30 U	1.0 U	0.83 J	0.20 U	1.4 J	0.70 U	0.95 U	1.0 U	12	0.10 U	0.20 U	2.2 J	5.6 J	
	TMW15042018FD ^d	5/3/18	1.0 U	1.0 U	22	0.30 U	1.0 U	1.0 J	0.20 U	1.6 J	0.70 U	0.38 J	0.38 J	12	0.10 U	0.20 U	2.3 J	5.9 J	
	TMW15102017	10/26/17	1.0 U	1.0 U	24	0.30 U	1.0 U	0.99 J	0.20 U	1.8 U	0.70 U	0.95 U	1.0 U	12	0.10 U	0.20 U	1.9 J	5.7 J	
	TMW15102017FD ^d	10/26/17	1.0 U	1.0 U	21	0.30 U	1.0 U	1.2 J	0.20 U	1.8 U	0.70 U	0.95 U	1.0 U	12	0.10 U	0.20 U	1.6 J	4.8 J	
	TMW15042017	4/27/17	0.84 J	1.0 U	22	0.30 U	1.0 U	0.93 J	0.20 U	1.8 U	0.70 U	0.74 J	0.70 J	15	0.10 U	0.20 U	1.9 J	5.7 J	
	DTW15042017 ^d	4/27/17	1.0 U	1.0 U	22	0.30 U	1.0 U	0.89 J	0.20 U	1.8 U	0.70 U	0.46 J	1.0 U	15	0.10 U	0.20 U	1.7 J	6.7 J	
TMW21	TMW21102018	10/9/18	1.0 U	0.82 J	28	0.30 U	1.0 U	1.2 J	0.33 J	2.4	0.4 J	35	0.97 J	3.2 J	0.10 U	0.20 U	3.0 J	8.0 U	
	TMW21042018	5/1/18	1.0 U	0.81 J	20	0.30 U	0.30 J	1.9 J	0.061 J	2.4	0.70 U	27	0.53 J	3.5 J	0.10 U	0.20 U	2.5 U	8.0 U	
	TMW21102017	10/25/17	1.0 U	0.63 J	20	0.30 U	1.0 U	1.8 U	0.058 J	1.8 J	0.70 U	19	1.0 U	3.0 J	0.10 U	0.20 U	2.0 U	4.0 J	
	TMW21042017	4/26/17	0.90 J	0.78 J	19	0.10 J	1.0 U	1.8 U	0.087 J	3	0.70 U	32	0.66 J	3.6 J	0.10 U	0.20 U	1.9 J	2.7 J	
TMW22	TMW22102018	10/11/18	1.0 U	0.87 J	18	0.30 U	1.0 U	1.8 U	0.20 U	1.9 J	0.70 U	0.95 U	1.0 U	2.2 J	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW22042018	4/25/18	1.0 U	0.97 J	26	0.30 U	1.0 U	1.7 J	0.21 J	1.6 U	0.22 J	16	1.5 J	2.3 J	0.10 U	0.20 U	5.4 J	4.5 J	
	TMW22102017	10/25/17	1.0 U	0.83 J	20	0.30 U	1.0 U	1.8 U	0.080 J	1.4 J	0.70 U	26	0.34 J	1.9 J	0.10 U	0.20 U	4.0 U	8.0 U	
	TMW22042017	4/19/17	1.0 U	1.0 J	28	0.10 J	1.0 U	1.5 J	0.25 J	1.6 J	0.70 U	19	2.1 J	3.0 J	0.10 U	0.20 U	5.7 J	2.2 J	

Table 5-9: Summary of Dissolved Metals Analytical Results - Method 6020A (µg/L)

			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	
			CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS
			7440-36-0	7440-38-2	7440-39-3	7440-41-7	7440-43-9	7440-47-3	7440-48-4	7440-50-8	7439-92-1	7439-96-5	7440-02-0	7782-49-2	7440-22-4	7440-28-0	7440-62-2	7440-66-6	
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^a																
			6 ^b	10 ^b	2000 ^b	4 ^b	5 ^b	50 ^b	50 ^b	1000 ^b	15 ^b	200 ^b	200 ^b	50 ^b	50 ^b	2 ^b	86 ^c	10000 ^b	
TMW23	TMW23102018	10/11/18	1.0 U	0.87 J	22	0.30 U	1.0 U	1.8 U	0.11 J	1.4 J	0.70 U	5.0	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW23042018	4/25/18	1.0 U	1.1 J	21	0.30 U	1.0 U	1.2 J	0.20 U	1.8 U	0.70 U	0.95 U	0.36 J	2.0 U	0.10 U	0.20 U	2.1 J	8.0 U	
	TMW23102017	10/19/17	1.0 U	1.0 J	20	0.30 U	1.0 U	0.80 J	0.20 U	0.80 J	0.70 U	1.5 J	1.0 U	2.0 U	0.10 U	0.20 U	1.5 J	14 J	
	TMW23042017	4/20/17	1.0 U	2.5 J	150	0.44 J	1.0 U	8.0 J	2.9	4.8	3.5	180 J	6	1.2 J	0.10 U	0.068 J	13	20	
TMW24	TMW24102018	10/18/18	1.0 J	1.3 J	36	0.30 U	1.0 U	1.8 U	0.28 U	1.6 J	0.70 U	140	2.4 J	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW24042018	4/30/18	1.0 U	0.97 J	38	0.30 U	1.0 U	1.8 U	0.21 J	1.8 U	0.70 U	160	1.1 J	0.88 J	0.10 U	0.20 U	1.3 J	8.0 U	
	TMW24102017	10/24/17	1.0 U	0.87 J	36	0.30 U	1.0 U	1.8 U	0.32 J	0.93 J	0.70 U	130	0.91 J	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW24042017	4/25/17	1.0 U	0.88 J	39	0.30 U	1.0 U	1.8 U	0.23 J	1.9 J	0.70 U	140	1.1 U	2.0 U	0.10 U	0.20 U	2.0 U	4.9 J	
TMW25	TMW25102018	10/16/18	1.0 U	1.0 J	19	0.30 U	1.0 U	1.8 U	0.62 J	2.3 U	0.70 U	850	2.7 J	2.0 U	0.10 U	0.20 U	5.6 J	40	
	TMW25042018	4/30/18	1.0 U	0.45 J	11	0.30 U	1.0 U	3.1 J	0.15 J	0.97 J	0.70 U	170	0.79 J	0.88 J	0.10 U	0.20 U	4.0 J	2.6 J	
	TMW25102017	10/25/17	1.0 U	0.58 J	12	0.30 U	1.0 U	1.8 U	0.17 J	1.6 J	0.70 U	200	0.48 J	2.0 U	0.10 U	0.20 U	2.7 U	2.5 J	
	TMW25042017	4/27/17	1.0 U	0.65 J	11	0.30 U	1.0 U	1.8 U	0.096 J	1.0 J	0.70 U	140	1.0 J	2.0 U	0.10 U	0.20 U	3.3 J	2.5 J	
TMW26	TMW26102018	10/10/18	1.0 U	1.1 J	17	0.30 U	1.0 U	1.8 U	0.23 J	2.1	0.70 U	110	1.7 J	2.0 U	0.10 U	0.20 U	2.6 J	8.0 U	
	TMW26102018FD ^d	10/10/18	1.0 U	1.2 J	19	0.30 U	1.0 U	1.8 U	0.30 J	2.2	0.70 U	120	2.3 J	2.0 U	0.29 J	0.20 U	3.0 J	8.0 U	
	TMW26042018	4/26/18	1.0 U	1.2 J	21	0.30 U	1.0 U	1.8 U	0.27 J	2.6	0.70 U	130	2.1 J	0.76 U	0.10 U	0.20 U	3.4 J	2.6 U	
	TMW26042018FD ^d	4/26/18	1.0 U	1.0 J	18	0.30 U	1.0 U	1.8 U	0.29 J	2.7	0.70 U	120	2.2 J	0.81 U	0.10 U	0.20 U	2.8 J	8.7 U	
	TMW26102017	10/17/17	1.0 U	0.98 J	24	0.30 U	1.0 U	1.8 U	0.33 J	2.5	0.70 U	110	1.9 J	2.0 U	0.10 U	0.20 U	2.4 U	8.0 U	
	TMW26102017FD ^d	10/17/17	1.0 U	1.3 J	24	0.30 U	1.0 U	1.8 U	0.36 J	2.5	0.70 U	110	1.8 J	2.0 U	0.10 U	0.20 U	2.8 U	2.0 J	
	TMW26042017	4/20/17	1.0 U	1.2 J	18	0.30 U	1.0 U	1.8 U	0.28 J	2.2	0.70 U	120 J	2.5 J	2.0 U	0.10 U	0.20 U	1.5 J	8.0 U	
	DTW26042017 ^d	4/20/17	1.0 U	1.1 J	18	0.30 U	1.0 U	1.8 U	0.28 J	1.9 J	0.70 U	120 J	2.0 J	0.70 J	0.10 U	0.20 U	1.6 J	3.7 U	
TMW27	TMW27102018	10/10/18	1.0 U	18	120	0.30 U	1.0 U	1.8 U	0.17 J	1.8 U	0.70 U	540	0.58 J	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW27042018	4/27/18	1.0 U	20	130	0.30 U	1.0 U	1.8 U	0.19 J	0.64 J	0.70 U	590	1.1 J	0.91 U	0.10 U	0.20 U	2.0 U	39	
	TMW27102017	10/20/17	1.0 U	19	130	0.30 U	1.0 U	1.8 U	0.16 J	1.8 U	0.70 U	550	0.75 J	2.0 U	0.10 U	0.20 U	2.0 U	2.2 J	
	TMW27042017	4/21/17	1.0 U	21	120	0.30 U	1.0 U	1.8 U	0.18 J	1.8 U	0.70 U	560	0.75 J	1.3 J	0.10 U	0.20 U	2.0 U	3.2 J	
TMW28	TMW28102018	10/9/18	1.0 U	1.0 U	48	0.30 U	1.0 U	1.8 U	0.12 J	1.8 U	0.70 U	350	0.54 J	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW28042018	4/26/18	1.0 U	1.0 U	51	0.30 U	1.0 U	1.8 U	0.21 J	1.8 U	0.70 U	450	0.93 J	2.0 U	0.10 U	0.20 U	2.0 U	10 U	
	TMW28102017	10/20/17	1.0 U	1.0 U	53	0.30 U	1.0 U	1.8 U	0.089 J	1.8 U	0.70 U	410	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW28042017	4/24/17	1.0 U	1.0 U	57 J	0.30 UJ	1.0 U	1.8 U	0.31 J	1.8 UJ	0.70 UJ	940 J	1.0 J	2.0 U	0.10 UJ	0.20 U	2.0 U	2.5 J	
TMW29	TMW29102018	10/9/18	1.0 U	2.3 J	44	0.30 U	0.5 J	3.1 J	0.085 J	0.96 J	8.4	2.9 J	0.55 J	18	0.17 J	0.20 U	4.0 J	8.0 U	
	TMW29042018	4/23/18	1.0 U	1.2 J	28	0.30 U	1.0 U	1.8 J	0.22 J	0.82 J	0.36 J	14	0.80 J	22	0.10 U	0.20 U	5.9 J	2.1 J	
	TMW29102017	10/20/17	1.0 U	1.1 J	20	0.30 U	1.0 U	0.81 J	0.20 U	0.91 J	0.70 U	1.0 J	0.43 J	19	0.10 U	0.20 U	4.4 J	9.0 J	
	TMW29042017	4/20/17	1.0 U	2.3 J	110	0.53 J	1.0 U	7.0 J	2.5	3.6	3.1	130 J	5.5	22 J	0.036 J	0.059 J	13	18 J	
TMW31S	TMW31S102018	10/11/18	1.0 U	1.0 U	14	0.30 U	1.0 U	1.8 U	0.20 U	0.62 J	0.70 U	10	1.0 U	8.8	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW31S042018	4/25/18	1.0 U	1.0 U	14	0.30 U	1.0 U	1.2 J	0.20 U	0.66 U	0.70 U	13	1.0 U	9.8	0.10 U	0.20 U	1.8 J	2.2 J	
	TMW31S102017	10/25/17	1.0 U	1.0 U	15	0.30 U	1.0 U	0.68 J	0.20 U	0.88 J	0.70 U	15	1.0 U	9.0	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW31S042017	4/19/17	1.0 U	1.0 U	21	0.30 U	1.0 U	0.56 J	0.34 J	3.5	0.70 U	150	2.0 J	9	0.10 U	0.20 U	3.0 J	5.4 J	
TMW33	TMW33102018	10/10/18	1.0 U	0.66 J	16	0.30 U	1.0 U	1.8 U	0.11 J	3.3	0.70 U	61	1.3 J	2.0 U	0.10 U	0.20 U	2.5 J	8.0 U	
	TMW33042018	4/25/18	1.0 U	0.93 J	28	0.20 U	1.0 U	1.1 J	0.38 J	3.8 U	0.56 J	140	2.0 J	2.0 U	0.10 U	0.20 U	4.8 J	4.7 J	
	TMW33102017	10/20/17	1.0 U	0.80 J	17	0.30 U	1.0 U	2.0 J	0.20 U	3.6	0.70 U	180	1.4 J	2.0 U	0.10 U	0.20 U	2.7 J	3.5 J	
	TMW33042017	4/20/17	1.0 U	0.81 J	20	0.36 J	1.0 U	0.66 J	0.26 J	3.4	0.70 U	130 J	2.7 J	0.86 J	0.042 J	0.070 J	2.0 J	8.0 U	

Table 5-9: Summary of Dissolved Metals Analytical Results - Method 6020A (µg/L)

			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	
			CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS
			7440-36-0	7440-38-2	7440-39-3	7440-41-7	7440-43-9	7440-47-3	7440-48-4	7440-50-8	7439-92-1	7439-96-5	7440-02-0	7782-49-2	7440-22-4	7440-28-0	7440-62-2	7440-66-6	
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^a																
			6 ^b	10 ^b	2000 ^b	4 ^b	5 ^b	50 ^b	50 ^b	1000 ^b	15 ^b	200 ^b	200 ^b	50 ^b	50 ^b	2 ^b	86 ^c	10000 ^b	
TMW34	TMW34102018	10/15/18	1.0 U	0.38 J	11	0.30 U	1.0 U	1.8 U	0.14 J	1.3 J	0.70 U	120	0.87 J	110	0.10 U	0.20 U	2.0 U	2.9 J	
	TMW34102018FD ^d	10/15/18	1.0 U	0.43 J	11	0.30 U	1.0 U	1.8 U	0.14 J	2.3	0.70 U	130	0.82 J	110	0.10 U	0.20 U	2.0 U	5.0 J	
	TMW34042018	4/27/18	1.0 U	0.51 J	35 J	0.13 J	1.0 U	1.2 J	0.6 J	1.9 J	0.64 J	160 J	1.4 J	120	0.10 U	0.2 U	3.4 J	5 U	
	TMW34042018FD ^d	4/27/18	1.0 U	0.93 J	64 J	0.13 J	1.0 U	2.7 J	1.3	2.5	1.7 J	230 J	2.5 J	120	0.10 U	0.052 J	6.2	8.1 U	
	TMW34102017	10/25/17	1.0 U	0.47 J	15	0.30 U	1.0 U	1.8 U	0.23 J	1.7 J	0.70 U	120	1.3 U	120	0.10 U	0.20 U	2.0 U	4.2 J	
	TMW34102017FD ^d	10/25/17	1.0 U	0.39 J	17	0.30 U	1.0 U	1.8 U	0.27 J	1.5 J	0.21 J	120	1.0 U	120	0.10 U	0.20 U	2.0 U	2.7 J	
	TMW34042017	4/24/17	1.0 U	0.33 J	14 J	0.30 UJ	1.0 U	1.8 U	0.14 J	1.8 UJ	0.70 UJ	130 J	0.53 J	130	0.10 UJ	0.20 U	1.1 J	8.0 UJ	
	DTW34042017 ^d	4/24/17	1.0 U	1.0 U	12 J	0.30 UJ	1.0 U	1.8 U	0.18 J	1.8 UJ	0.23 J	140 J	0.56 J	130	0.10 UJ	0.20 U	1.0 J	8.0 UJ	
TMW35	TMW35102018	10/15/18	1.0 U	0.62 J	11	0.30 U	1.0 U	1.8 U	0.16 J	1.6 J	0.70 U	0.95 U	0.99 J	7.6	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW35042018	4/27/18	1.0 U	0.5 J	12	0.30 U	1.0 U	1.8 U	0.15 U	3.8	0.7 U	150	0.98 J	8.4	0.10 U	0.20 U	1.9 J	4.9 U	
	TMW35102017	10/23/17	1.0 U	0.53 J	11	0.30 U	1.0 U	1.8 U	0.20 J	1.8 U	0.70 U	150	0.65 J	10	0.10 U	0.20 U	1.5 J	8.0 U	
	TMW35042017	4/24/17	1.0 U	0.44 J	12 J	0.30 UJ	1.0 U	1.8 U	0.18 J	1.6 J	0.70 UJ	160 J	1.4 J	15	0.10 UJ	0.20 U	1.8 J	2.5 J	
TMW39S	TMW39S102018	10/11/18	1.0 U	0.35 J	13	0.30 U	1.0 U	1.8 U	0.20 U	0.61 J	0.70 U	2.7 J	1.0 U	12	0.10 U	0.20 U	2.4 U	8.0 U	
	TMW39S042018	4/25/18	1.0 U	0.40 J	36	0.22 J	1.0 U	2.8 J	0.52 J	2.7 U	0.75 J	43	1.9 J	11	0.10 U	0.20 U	5.9 J	3.9 J	
	TMW39S102017	10/18/17	1.0 U	0.41 J	15	0.30 U	1.0 U	1.6 J	0.054 J	1.1 J	0.70 U	3.4 J	0.48 J	12	0.10 U	0.20 U	2.0 J	8.0 U	
	TMW39S042017	4/19/17	1.0 U	0.49 J	16	0.30 U	1.0 U	2.0 J	0.057 J	0.92 J	0.70 U	2.3 J	0.87 J	14	0.10 U	0.20 U	3.6 J	8.0 U	
TMW40S	TMW40S102018	10/9/18	1.0 U	9.0	150	0.96 J	1.0 U	4.0 J	1.5	2.9	10	180	4.2	64	0.10 U	0.20 U	41	68	
	TMW40S042018	4/27/18	1.0 U	9.7	120	0.83 J	1.0 U	5.3 J	1.8	2.9	7.8	150	3.9	74	0.10 U	0.20 U	46	57	
	TMW40S102017	10/26/17	1.0 U	9.7	38	0.30 U	1.0 U	1.7 J	0.39 J	1.8 J	1.1 J	28	1.7 J	68	0.10 U	0.20 U	36	9.9 J	
	TMW40S042017	4/24/17	1.2 J	10	27	0.084 J	1.0 U	0.58 J	0.11 J	1.1 J	0.70 U	15	1.1 U	63	0.10 U	0.052 J	35	2.7 J	
TMW41	TMW41102018	10/11/18	1.0 U	1.0 U	9.9	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	0.95 U	1.0 U	2.0 U	0.10 U	0.20 U	5.3 J	8.0 U	
	TMW41042018	4/25/18	1.0 U	0.43 J	11	0.30 U	1.0 U	0.74 J	0.20 U	1.1 U	0.70 U	2.0 U	0.40 J	2.0 U	0.10 U	0.20 U	6.7	5.0 J	
	TMW41102017	10/25/17	1.0 U	0.49 J	11	0.30 U	1.0 U	0.69 J	0.20 U	0.74 J	0.70 U	0.83 J	1.0 U	2.0 U	0.10 U	0.20 U	5.6 J	8.0 U	
	TMW41042017	4/19/17	1.0 U	0.62 J	11	0.30 U	1.0 U	1.2 J	0.20 U	0.56 J	0.70 U	0.95 U	0.49 J	0.97 J	0.10 U	0.20 U	6.8	8.0 U	
TMW43	TMW43102018	10/16/18	1.0 U	1.0 U	18	0.30 U	1.0 U	1.8 U	0.12 J	1.8 U	0.70 U	51	1.0 U	5.9	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW43102018FD ^d	10/16/18	1.0 U	1.0 U	17	0.30 U	1.0 U	1.8 U	0.078 J	1.8 U	0.70 U	50	1.0 U	5.8	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW43042018	5/2/18	1.0 U	1.0 U	20	0.30 U	1.0 U	1.1 J	0.085 J	1.8 U	0.70 U	50	0.49 J	6.5	0.10 U	0.20 U	1.9 J	8.0 U	
	TMW43042018FD ^d	5/2/18	1.0 U	1.0 U	19	0.16 U	1.0 U	1.6 J	0.13 J	1.8 U	0.70 U	50	0.46 J	6.5	0.10 U	0.20 U	1.8 J	8.0 U	
	TMW43102017	10/24/17	1.0 U	1.0 U	17	0.30 U	1.0 U	1.8 U	0.078 J	0.76 J	0.70 U	47	0.69 J	6.8	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW43102017FD ^d	10/24/17	1.0 U	1.0 U	18	0.34 U	1.0 U	1.8 U	0.19 J	1.8 U	0.70 U	45	0.61 J	7.0	0.070 J	0.20 U	2.0 U	8.0 U	
	TMW43042017	4/27/17	1.0 U	1.0 U	19	0.30 U	1.0 U	1.8 U	0.088 J	0.57 J	0.70 U	51	0.61 J	7.3	0.10 U	0.20 U	1.6 J	2.9 J	
	DTW43042017 ^d	4/27/17	1.0 U	1.0 U	18	0.30 U	1.0 U	1.8 U	0.10 J	1.8 U	0.70 U	49	0.32 J	6	0.10 U	0.20 U	1.5 J	8.0 U	
TMW44	TMW44102018	10/11/18	1.0 U	0.75 J	16	0.30 U	1.0 U	1.8 U	0.078 J	1.8 U	0.70 U	8.3	1.0 U	2.1 J	0.10 U	0.20 U	2.6 U	8.0 U	
	TMW44042018	4/25/18	1.0 U	0.93 J	22	0.30 U	1.0 U	0.53 J	0.26 J	1.8 U	0.34 J	27	0.67 J	2.0 J	0.10U	0.20 U	4.2 J	3.0 J	
	TMW44102017	10/25/17	1.0 U	0.74 J	16	0.30 U	1.0 U	1.8 U	0.20 U	0.82 J	0.70 U	5.5	1.0 U	3.4 U	0.10 U	0.20 U	2.9 U	8.0 U	
	TMW44042017	4/19/17	1.0 U	0.68 J	16	0.30 U	1.0 U	1.8 U	0.20 U	0.80 J	0.70 U	5.8	0.31 J	2.0 J	0.10 U	0.20 U	3.6 J	8.0 U	
TMW45	TMW45102018	10/17/18	1.0 U	0.68 J	64	0.30 U	1.0 U	1.8 U	0.20 U	1.5 J	0.70 U	33	0.92 J	0.85 J	0.10 U	0.20 U	2.9 U	8.0 U	
	TMW45042018	5/2/18	1.0 U	0.98 J	71	0.30 U	1.0 U	1.8 U	0.074 J	5.0	0.70 U	15	1.1 J	0.93 J	0.10 U	0.20 U	4.3 J	6.0 J	
	TMW45102017	10/27/17	1.0 U	0.77 J	70	0.30 U	1.0 U	1.8 U	0.20 U	1.6 J	0.70 U	20	1.0 J	0.96 J	0.10 U	0.20 U	3.7 J	8.0 U	
	TMW45042017	4/28/17	1.0 U	0.96 J	65	0.30 U	1.0 U	1.8 U	0.060 J	1.6 J	0.36 J	12	1.1 J	0.85 U	0.10 U	0.20 U	3.8 J	2.0 J	

Table 5-9: Summary of Dissolved Metals Analytical Results - Method 6020A (µg/L)

			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	
			CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS
			7440-36-0	7440-38-2	7440-39-3	7440-41-7	7440-43-9	7440-47-3	7440-48-4	7440-50-8	7439-92-1	7439-96-5	7440-02-0	7782-49-2	7440-22-4	7440-28-0	7440-62-2	7440-66-6	
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^a																
			6 ^b	10 ^b	2000 ^b	4 ^b	5 ^b	50 ^b	50 ^b	1000 ^b	15 ^b	200 ^b	200 ^b	50 ^b	50 ^b	2 ^b	86 ^c	10000 ^b	
TMW46	TMW46102018	10/10/18	1.0 U	0.45 J	12	0.30 U	1.0 U	1.8 U	0.12 J	0.95 J	0.70 U	3.4 J	0.47 J	110	0.10 U	0.20 U	2.2 J	9.9 U	
	TMW46042018	4/25/18	1.0 U	0.34 J	9.6	0.30 U	1.0 U	1.8 U	0.20 U	0.71 U	0.70 U	0.46 U	1.0 U	110	0.10 U	0.20 U	2.7 J	8.0 U	
	TMW46102017	10/25/17	1.0 U	0.49 J	13	0.30 U	1.0 U	1.8 U	0.16 J	1.2 J	0.18 J	5.4	1.0 U	120	0.10 U	0.20 U	2.0 U	2.4 J	
	TMW46042017	4/20/17	1.0 U	0.38 J	11	0.30 U	1.0 U	1.8 U	0.058 J	1.2 J	0.70 U	1.3 UJ	1.0 U	130 J	0.10 U	0.20 U	1.0 J	8.0 U	
TMW47	TMW47102018	10/17/18	1.0 U	0.61 J	12	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	36	0.41 J	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW47042018	5/3/18	1.0 U	0.34 J	14	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	40	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW47102017	10/26/17	1.0 U	0.39 J	13	0.30 U	1.0 U	1.8 U	0.057 J	2.6 U	0.70 U	38	1.0 U	0.71 J	0.10 U	0.20 U	2.0 U	2.3 J	
	TMW47042017	4/25/17	1.0 U	0.37 J	14	0.092 J	1.0 U	1.8 U	0.076 J	1.8 U	0.70 U	40	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
Northern Bedrock Groundwater Zone																			
BGMW07	BGMW07102018	10/12/18	1.0 U	0.54 J	49	0.30 U	1.0 U	0.67 J	4.0	1.8 U	0.70 U	1900	2.4 J	2.0 U	0.10 U	0.20 U	0.93 J	8.0 U	
	BGMW07042018	4/26/18	1.4 J	1.0 U	98	0.30 U	1.0 U	1.2 J	2.3	1.8 U	0.70 U	1500	16	1.1 U	0.10 U	0.20 U	2.0 U	4.1 U	
BGMW08	BGMW08102018	10/9/18	1.0 U	0.98 J	82	0.30 U	1.0 U	5.3 J	2.1	1.2 J	1.2 U	690	5.2	2.0 U	0.10 U	0.20 U	6.0	10 U	
	BGMW08072018	7/18/18	0.86 J	0.38 J	31	0.30 U	1.0 U	1.8 U	0.32 J	1.8 U	0.70 U	330	1.6 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	BGMW08042018	04/2018	Dry																
BGMW09	BGMW09102018	10/10/18	1.0 U	2.2 J	20	0.30 U	1.0 U	1.8 U	0.15 J	1.8 U	0.70 U	70	0.56 J	2.0 U	0.10 U	0.20 U	6.1	8.0 U	
	BGMW09102018FD ^d	10/10/18	1.0 U	2.4 J	20	0.30 U	1.0 U	1.8 U	0.19 J	1.8 U	0.70 U	75	0.77 J	2.0 U	0.10 U	0.20 U	6.4	8.0 U	
	BGMW091020182	10/16/18	1.0 U	2.1 J	36 J	0.13 J	1.0 U	6.2 J	1.8	1.2 U	1.3 J	120 J	4.3	2.0 U	0.10 U	0.20 U	10	23 U	
	BGMW09102018FD2 ^d	10/16/18	1.0 U	1.8 J	20 J	0.30 U	1.0 U	1.4 U	0.4 J	0.92 U	0.70 U	71 J	1.3 U	0.89 J	0.10 U	0.20 U	3.9 U	5.7 U	
	BGMW09042018	5/1/18	1.0 U	10	670	5.5	1.0 U	140	34	28	27	1400	84	2.0 U	0.046 J	0.35 J	98	250	
BGMW10	BGMW10102018	10/11/18	1.0 U	1.0 U	7.2	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	20	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	BGMW10042018	4/27/18	1.3 J	1.0 U	10	0.30 U	1.0 U	2.0 J	0.067 J	0.70 J	0.70 U	19 U	1.3 J	1.4 U	0.10 U	0.20 U	2.0 U	2.2 U	
TMW02	TMW02102018	10/16/18	1.0 U	1.0 J	11	0.30 U	1.0 U	1.8 U	0.20 U	1.9 U	0.70 U	2.9 J	1.0 U	77	0.10 U	0.20 U	41	8.0 U	
	TMW02042018	5/2/18	1.0 U	1.1 J	9	0.30 U	1.0 U	1.8 U	0.20 U	2.5 U	0.70 U	1.0 J	1.0 U	84	0.10 U	2.0 U	48	4.4 J	
	TMW02102017	10/24/17	1.0 U	1.1 J	7.7	0.30 U	1.0 U	1.8 U	0.20 U	1.8 J	0.70 U	0.48 J	1.0 U	75	0.10 U	0.20 U	38	34	
	TMW02042017	4/24/17	1.0 U	1.1 J	8.4 J	0.30 UJ	1.0 U	1.8 U	0.20 U	1.8 UJ	0.70 UJ	0.95 UJ	1.0 U	82	0.10 UJ	0.20 U	43	2.4 J	
TMW14A	TMW14A102018	10/15/18	1.0 U	0.66 J	18	0.30 U	1.0 U	1.8 U	0.20 U	5.7	0.70 U	13	1.8 J	2.0 U	0.10 U	0.20 U	2.0 U	2.2 J	
	TMW14A042018	5/3/18	1.0 U	0.40 J	16	0.30 U	1.0 U	1.8 U	0.20 U	1.1 J	0.70 U	11	1.0 J	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW14A102017	10/26/17	1.0 U	0.52 J	19	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	9.7	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW14A042017	4/27/17	1.0 U	0.64 J	17	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	11	0.80 J	2.0 U	0.10 U	0.20 U	2.0 U	5.0 J	
TMW16	TMW16102018	10/19/18	1.0 U	1.0 U	12	0.30 U	1.0 U	3.4 J	0.20 U	0.56 J	0.70 U	4.4	6.4	2.0 U	0.10 U	0.20 U	3.1 U	8.0 U	
	TMW16042018	4/25/18	1.0 U	0.33 J	33	0.30 U	1.0 U	4.8 J	0.90 J	1.7 U	0.54 J	23	21	2.0 U	0.19 J	0.20 U	14	11 J	
	TMW16102017	10/20/17	1.0 U	1.0 U	13	0.30 U	1.0 U	0.59 J	0.20 J	1.8 U	0.70 U	5.4	9.9	2.0 U	0.10 U	0.20 U	7.7	2.7 J	
	TMW16042017	4/20/17	1.0 U	0.38 J	16	0.30 U	1.0 U	1.8 U	0.28 J	1.8 U	0.70 U	8.7 J	13	0.97 J	0.041 J	0.20 U	17	8.0 U	
TMW17	TMW17102018	10/18/18	1.0 U	1.0 U	13	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	9.7	0.58 J	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW17042018	5/3/18	1.0 U	1.0 U	15	0.30 U	0.46 J	1.8 U	0.20 U	1.8 U	0.70 U	10	0.30 J	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW17102017	10/26/17	1.0 U	1.0 U	13	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	8.4	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	2.7 J	
	TMW17042017	4/27/17	1.0 U	1.0 U	14	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	8.5	0.65 J	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
TMW18	TMW18102018	10/18/18	0.48 J	1.2 J	18	0.30 U	1.0 U	2.5 J	0.086 J	1.2 J	0.77 J	11	1.0 J	2.0 U	0.055 J	0.20 U	17	8.0 U	
	TMW18042018	4/25/18	1.0 U	0.73 J	14	0.089 U	1.0 U	1.8 U	0.20 U	0.85 U	0.31 J	2.9 J	0.76 J	2.0 U	0.10 U	0.20 U	9.9	2.2 J	
	TMW18102017	10/19/17	1.0 U	2.8 J	14	0.30 U	1.0 U	1.5 J	0.20 U	1.8 U	0.34 J	6.2	1.0 U	2.0 U	0.10 U	0.20 U	21	6.8 J	

Table 5-9: Summary of Dissolved Metals Analytical Results - Method 6020A (µg/L)

			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	
			CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS
			7440-36-0	7440-38-2	7440-39-3	7440-41-7	7440-43-9	7440-47-3	7440-48-4	7440-50-8	7439-92-1	7439-96-5	7440-02-0	7782-49-2	7440-22-4	7440-28-0	7440-62-2	7440-66-6	
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^a																
			6 ^b	10 ^b	2000 ^b	4 ^b	5 ^b	50 ^b	50 ^b	1000 ^b	15 ^b	200 ^b	200 ^b	50 ^b	50 ^b	2 ^b	86 ^c	10000 ^b	
TMW19	TMW18042017	4/20/17	1.0 U	1.5 J	15	0.30 U	1.0 U	0.76 J	0.20 U	1.8 U	0.42 J	5.7 J	0.40 J	1.2 J	0.10 U	0.20 U	17	2.2 U	
	TMW19102018	10/18/18	1.0 U	1.0 U	7.6	0.30 U	1.0 U	0.70 J	0.20 U	1.8 U	0.70 U	17	1.4 J	2.0 U	0.10 U	0.20 U	5.2 J	28	
	TMW19042018	4/25/18	1.0 U	1.0 U	7	0.30 U	1.0 U	1.8 U	0.14 J	0.56 U	0.23 J	18	2.2 J	2.0 U	0.10 U	0.20 U	6.3	3.8 J	
	TMW19102017	10/19/17	1.0 U	1.0 U	7.2	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	17	0.31 J	2.0 U	0.10 U	0.20 U	6.6	2.7 J	
	TMW19042017	4/20/17	1.0 U	1.0 U	7.6	0.30 U	1.0 U	1.8 U	0.084 J	0.83 J	0.19 J	19 J	2.4 J	0.93 J	0.10 U	0.20 U	5.7 J	8.0 U	
TMW30	TMW30102018	10/11/18	1.0 U	0.72 J	9.7	0.30 U	1.0 U	1.8 U	0.20 U	1.1 J	0.70 U	0.95 U	1.0 U	6.8	0.10 U	0.20 U	12	8.0 U	
	TMW30042018	4/26/18	1.0 U	0.73 J	11	0.30 U	1.0 U	0.55 J	0.055 J	0.89 J	0.70 U	2.0 U	0.41 J	7.9	0.10 U	0.20 U	13	3.5 U	
	TMW30102017	10/25/17	1.0 U	0.78 J	8.8	0.30 U	1.0 U	1.8 U	0.20 U	1.3 J	0.70 U	0.52 J	1.0 U	8.0	0.10 U	0.20 U	12	8.0 U	
	TMW30042017	4/19/17	1.0 U	0.78 J	9.3	0.30 U	1.0 U	1.8 U	0.066 J	0.70 J	0.70 U	1.3 U	0.69 J	7	0.10 U	0.20 U	13	2.2 J	
TMW31D	TMW31D102018	10/16/18	1.0 U	0.37 J	9.6	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	4.0	1.0 U	7.8	0.10 U	0.20 U	5.1 J	19 U	
	TMW31D102018FD ^d	10/16/18	1.0 U	0.46 J	8.8	0.30 U	1.0 U	1.8 U	0.065 J	1.8 U	0.70 U	3.9	1.0 U	8.1	0.10 U	0.20 U	5.6 J	27 U	
	TMW31D042018	5/2/18	1.0 U	0.47 J	9	0.30 U	1.0 U	1.7 J	0.055 J	0.75 J	0.70 U	3.3 J	1.0 U	8.2	0.10 U	0.20 U	7.4	16 J	
	TMW31D042018FD ^d	5/2/18	1.0 U	0.43 J	9	0.30 U	1.0 U	0.68 J	0.062 J	1.8 U	0.70 U	3.6	1.0 U	8.2	0.10 U	0.20 U	7.3	16 J	
	TMW31D102017	10/26/17	1.0 U	0.60 J	8.3	0.30 U	1.0 U	1.8 U	0.082 J	1.8 U	0.70 U	2.7 J	1.0 U	8.4	0.10 U	0.20 U	6.7	17 J	
	TMW31D102017FD ^d	10/26/17	1.0 U	0.34 J	8.7	0.081 J	1.0 U	1.8 U	0.054 J	1.8 U	0.70 U	2.9 J	1.0 U	8.0	0.10 U	0.20 U	6.8	18 J	
	TMW31D042017	4/27/17	1.0 U	0.42 J	9	0.30 U	1.0 U	1.8 U	0.20 U	0.67 J	0.70 U	2.9 J	0.44 J	8.1	0.10 U	0.20 U	6.8	16 J	
	DTW31D042017 ^c	4/27/17	1.0 U	0.51 J	8.8	0.30 U	1.0 U	1.8 U	0.058 J	0.78 J	0.70 U	3.5	0.63 J	8.1	0.10 U	0.20 U	6.8	16 J	
TMW32	TMW32102018	10/12/18	1.0 U	0.87 J	7.7	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	26	0.58 J	3.6 J	0.10 U	0.20 U	1.9 J	8.0 U	
	TMW32042018	5/1/18	1.0 U	0.63 J	8.4	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	25	1.0 U	4.3 J	0.10 U	0.20 U	4.1 J	2.5 J	
	TMW32102017	10/20/17	1.0 U	0.92 J	8.0	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	24	0.42 J	4.0 J	0.10 U	0.20 U	2.7 J	2.8 J	
	TMW32042017	4/27/17	1.0 U	1.4 J	7.3	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	26	0.31 J	4.0 U	0.10 U	0.20 U	2.0 J	3.4 J	
TMW36	TMW36102018	10/18/18	1.0 U	1.0 U	6.6	0.30 U	1.0 U	1.2 J	0.20 U	1.8 U	0.70 U	15	7.7	2.0 U	0.10 U	0.20 U	2.0 U	2.1 U	
	TMW36042018	4/25/18	1.0 U	1.0 U	6.2	0.30 U	1.0 U	0.60 J	0.13 J	1.0 U	0.20 J	13	4.2	2.0 U	0.10 U	0.20 U	1.6 J	4.1 J	
	TMW36102017	10/19/17	1.0 U	1.0 U	6.7	0.30 U	1.0 U	1.8 J	0.20 U	1.8 U	0.70 U	15	3.4	2.0 U	0.10 U	0.20 U	0.77 J	3.8 J	
	TMW36042017	4/20/17	1.0 U	1.0 U	7.7	0.30 U	1.0 U	0.68 J	0.14 J	1.8 U	0.25 J	15 J	4.5	0.82 J	0.037 J	0.10 J	2.0 U	8.0 U	
TMW37	TMW37102018	10/18/18	1.0 U	1.0 U	6.9	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	6.0	4.4	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW37042018	4/25/18	1.0 U	0.38 J	11	0.30 U	1.0 U	2.3 J	0.19 J	1.6 U	0.46 J	5.6	10	2.0 U	0.10 U	0.20 U	5.8 J	17 J	
	TMW37102017	10/20/17	1.0 U	0.62 J	9.4	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	4.8	3.9	2.0 U	0.10 U	0.20 U	9.0	7.5 J	
	TMW37042017	4/20/17	1.0 U	1.0 U	9.6	0.30 U	1.0 U	1.8 U	0.091 J	1.8 U	0.70 U	7.6 J	4.2	2.0 U	0.10 U	0.20 U	1.3 J	8.0 U	
TMW38	TMW38102018	10/19/18	0.56 J	1.0 U	14	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	29	0.37 J	2.0 U	0.10 U	0.20 U	11	9.7 U	
	TMW38042018	5/1/18	1.0 U	0.60 J	13	0.30 U	1.0 U	9.3 J	0.11 J	1.8 U	0.70 U	74	0.41 J	2.0 U	0.10 U	0.20 U	2.0 U	2.0 J	
	TMW38102017	10/26/17	1.0 U	0.66 J	11	0.30 U	1.0 U	1.8 U	0.096 J	1.8 U	0.70 U	67	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW38042017	4/26/17	1.0 U	0.59 J	13	0.30 U	1.0 U	1.8 U	0.094 J	1.8 U	0.70 U	74	0.54 J	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
TMW39D	TMW39D102018	10/16/18	1.0 U	1.0 U	7.5	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	54	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW39D042018	5/1/18	1.0 U	1.0 U	8.3	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	54	1.0 U	2.0 U	0.10 U	0.20 U	0.51 J	8.0 U	
	TMW39D102017	10/27/17	1.0 U	1.0 U	7.5	0.30 U	1.0 U	1.8 U	0.055 J	1.8 U	0.70 U	50	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW39D042017	4/27/17	1.0 U	1.0 U	7.6	0.30 U	1.0 U	1.8 U	0.20 U	0.70 J	0.70 U	52	0.51 J	2.0 U	0.10 U	0.20 U	2.0 U	3.1 J	
TMW40D	TMW40D102018	10/12/18	1.0 U	0.46 J	11	0.30 U	1.0 U	1.8 U	0.054 J	1.8 U	0.70 U	51	1.0 U	2.8 J	0.10 U	0.20 U	2.4 J	2.6 J	
	TMW40D042018	5/1/18	1.0 U	0.42 J	9.1	0.30 U	1.0 U	1.8 U	0.20 U	1.2 J	0.70 U	54	1.0 U	3.5 J	0.10 U	0.20 U	3.2 J	4.8 J	
	TMW40D102017	10/23/17	1.0 U	0.39 J	9.4	0.30 U	1.0 U	1.8 U	0.066 J	1.8 U	0.70 U	50	1.0 U	3.4 J	0.10 U	0.20 U	2.8 J	2.5 J	
	TMW40D042017	4/25/17	1.0 U	0.36 J	9.4	0.30 U	1.0 U	1.8 U	0.064 J	0.61 J	0.70 U	48	1.0 U	2.7 J	0.10 U	0.20 U	2.0 J	3.6 J	

Table 5-9: Summary of Dissolved Metals Analytical Results - Method 6020A (µg/L)

			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			CAS 7440-36-0	CAS 7440-38-2	CAS 7440-39-3	CAS 7440-41-7	CAS 7440-43-9	CAS 7440-47-3	CAS 7440-48-4	CAS 7440-50-8	CAS 7439-92-1	CAS 7439-96-5	CAS 7440-02-0	CAS 7782-49-2	CAS 7440-22-4	CAS 7440-28-0	CAS 7440-62-2	CAS 7440-66-6
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^a															
			6 ^b	10 ^b	2000 ^b	4 ^b	5 ^b	50 ^b	50 ^b	1000 ^b	15 ^b	200 ^b	200 ^b	50 ^b	50 ^b	2 ^b	86 ^c	10000 ^b
TMW48	TMW48102018	10/16/18	1.0 U	0.64 J	10	0.30 U	1.0 U	1.8 U	0.081 J	1.8 U	0.70 U	78	1.0 U	6.3	0.10 U	0.20 U	2.7 U	15 U
	TMW48042018	5/2/18	1.0 U	0.70 J	11	0.30 U	1.0 U	0.86 J	0.20 U	0.91 J	0.70 U	51	1.0 U	7.3	0.10 U	0.20 U	5.1 J	11 J
	TMW48102017	10/27/17	1.0 U	0.50 J	10	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	52	0.31 J	5.5	0.10 U	0.20 U	3.3 J	9.8 J
	TMW48042017	4/26/17	1.0 U	0.59 J	8.9	0.30 U	1.0 U	1.8 U	0.20 U	0.67 J	0.70 U	45	0.72 J	6.7	0.10 U	0.20 U	4.9 J	8.4 J
TMW49	TMW49102018	10/17/18	1.0 U	0.53 J	9.2	0.30 U	1.0 U	1.1 J	0.087 J	0.76 J	0.70 U	21	1.0 J	22	0.10 U	0.20 U	10	8.0 U
	TMW49042018	5/4/18	1.0 U	0.58 J	11	0.30 U	1.0 U	1.2 J	0.20 U	2.3	0.70 U	11	0.52 J	20	0.10 U	0.20 U	14	8.7 J
	TMW49102017	10/27/17	1.0 U	0.49 J	11	0.30 U	1.0 U	0.84 J	0.057 J	1.1 J	0.70 U	8.8	1.1 J	23	0.043 J	0.20 U	12	3.9 J
	TMW49042017	4/26/17	1.0 U	0.50 J	10	0.30 U	1.0 U	0.99 J	0.064 J	1.6 J	0.70 U	3.5	1.2 J	18	0.059 J	0.20 U	13	13 J

Notes:

^a Mercury is analyzed using EPA Method 7470A, and the remaining metals are analyzed using EPA Method 6010C/6020A.

^b New Mexico Water Quality Control Commission - NMAC 20.6.2.3103.

^c EPA Region 6 regional screening levels. EPA, May 2019. <https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables>

^d Indicates a field duplicate sample.

Bold indicates analyte was positively detected above screening values.

Acronyms and Abbreviations:

µg/L = microgram per liter

CAS = Chemical Abstracts Service (registry number)

EPA = U.S. Environmental Protection Agency

J = (Estimated) The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to nonconformances discovered during data validation.

NMAC = New Mexico Administrative Code

U = (Non-detected) The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ = (Non-detected estimated) The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to nonconformances discovered during data validation.

Table 5-10: Summary of Total Metals Analytical Results - Method 6020A (µg/L)

			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	
			CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS
			7440-36-0	7440-38-2	7440-39-3	7440-41-7	7440-43-9	7440-47-3	7440-48-4	7440-50-8	7439-92-1	7439-96-5	7440-02-0	7782-49-2	7440-22-4	7440-28-0	7440-62-2	7440-66-6	
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^a																
			6 ^b	10 ^b	2000 ^b	4 ^b	5 ^b	50 ^b	50 ^b	1000 ^b	15 ^b	200 ^b	200 ^b	50 ^b	50 ^b	2 ^b	86 ^c	10000 ^b	
Northern Alluvial Groundwater Zone																			
BGMW01	BGMW01102018	10/9/18	1.0 U	0.84 J	18	0.30 U	1.0 U	0.63 J	0.36 J	0.68 J	0.70 U	240	1.6 J	2.0 U	0.10 U	0.20 U	1.5 J	8.0 U	
	BGMW01042018	4/27/18	0.53 J	1.0 J	45	0.3 U	1.0 U	2.6 J	1.8	4.1	2.2 J	530	3.5	2.0 U	4.5 J	0.056 J	7.8	12 U	
	BGMW01102017	10/23/17	1.0 U	0.62 J	14	0.11 J	1.0 U	1.8 U	0.24 J	1.8 U	0.70 U	160	1.3 J	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U	
	BGMW01042017	4/24/17	0.44 J	0.61 J	16 J	0.30 UJ	1.0 UJ	1.8 U	0.27 J	1.8 U	0.70 UJ	160 J	1.1 J	2.0 U	0.11 J	0.20 U	1.6 J	8.0 U	
BGMW02	BGMW02102018	10/11/18	1.0 U	0.87 J	14	0.30 U	1.0 U	1.8 U	0.079 J	1.0 J	0.70 U	73	0.35 J	50	0.10 U	0.20 U	6.5	2.1 J	
	BGMW02042018	4/26/18	1.0 U	0.87 J	16	0.30 U	1.0 U	1.8 U	0.11 J	0.88 J	0.70 U	86	11 J	61	0.10 U	0.20 U	6.4	8.0 UJ	
	BGMW02102017	10/20/17	1.0 U	0.86 J	16	0.30 U	1.0 U	1.8 U	0.22 U	0.74 J	0.70 U	75 J	1.0 U	61	0.10 U	0.20 U	7.0	2.7 J	
	BGMW02042017	4/21/17	1.0 U	0.80 J	16	0.30 U	1.0 U	0.50 J	0.14 J	0.85 J	0.70 U	73 J	0.62 J	62	0.10 U	0.20 U	7	8.0 U	
BGMW03	BGMW03102018	10/10/18	1.0 U	1.5 J	41	0.30 U	1.0 U	2.6 J	0.56 J	2.7	0.69 J	33	1.7 J	13	0.10 U	0.20 U	10	8.0 U	
	BGMW03042018	4/24/18	1.0 U	1.9 J	35	0.30 U	1.0 U	0.61 J	0.30 J	2.7 U	0.31 J	59	0.93 J	22	0.10 U	0.20 U	12	2.5 J	
	BGMW03102017	10/19/17	1.0 U	2.0 J	44	0.11 J	1.0 U	2.2 J	0.70 J	4.3	0.99 J	60	1.8 J	28	0.10 U	0.20 U	13	10 J	
	BGMW03042017	4/20/17	0.40 J	1.8 J	61	0.21 J	1.0 U	2.0 J	0.95 J	3	1.5 J	96	1.5 J	21 J	0.034 J	0.063 J	11	6.9 J	
FW31	FW31102018	10/9/18	1.0 UJ	5.8	220	0.65 U	1.0 U	8.8 J	3.9	4.6	3.5	320	8.1	2.0 U	0.10 U	0.20 U	17	21	
	FW31042018	4/23/18	1.0 U	5.0	30	0.30 U	1.0 U	1.8 U	0.24 J	0.76 J	0.27 J	43	0.56 J	2.0 U	0.10 U	0.20 U	9.5	2.5 J	
	FW31102017	10/18/17	0.63 J	5.6	52	0.15 J	1.0 U	1.1 J	0.61 J	1.3 J	0.83 J	68	1.0 J	2.0 U	0.10 U	0.20 U	9.2	7.1 J	
	FW31042017	4/17/17	1.0 U	7.5	150 J	0.21 J	1.0 U	5.3 J	1.8	4.4	2.0 J	210	3.7	2.0 U	0.10 U	0.082 J	16	21	
FW35	Well has been dry since 2015		Well was dry and was not sampled																
MW01	MW01102018	10/9/18	1.0 U	1.8 J	110	0.52 U	1.0 U	6.9 J	2.7	4.5	3.9	300	5.9	13	0.10 U	0.20 U	11	47	
	MW01042018	4/23/18	1.0 U	1.7 J	90	0.59 J	1.0 U	5.0 J	2.2	3.5	3.3	180	4.4	17	0.10 U	0.063 J	10	36	
	MW01102017	10/24/17	0.61 J	4.8 J	280	1.2	1.0 U	15	7.5	11	11	680	14	14	0.075 J	0.19 J	30	120	
	MW01042017	4/19/17	1.0 U	23	1400	7.5	0.76 J	72	37	61	56	3400 J	71	15	0.28 J	0.77 J	130	710	
MW02	MW02102018	10/9/18	1.0 U	4.3 J	300	1.0	1.0 U	14	6.7	8.2	10	790	13	12	0.10 U	0.20 U	28	180	
	MW02042018	4/23/18	1.0 U	2.2 J	180	0.77 J	1.0 U	8.0 J	4.1	4.9	6.4	460	7.7	11	0.038 U	0.12 J	17	130	
	MW02102017	10/24/17	1.0 U	3.6 J	210	0.99 J	1.0 U	11	5.4	6.8	8.5	660	10	12	0.047 J	0.14 J	25	190	
	MW02042017	4/19/17	1.0 U	1.6 J	120	0.46 J	1.0 U	5.0 J	2.1	3.3	3.4	310 J	4	11	0.10 U	0.071 J	11	110	
MW03	MW03102018	10/15/18	1.0 U	1.0 U	9.4	0.30 U	1.0 U	0.51 J	0.067 J	1.8 U	0.70 U	45	0.61 J	27	0.10 U	0.20 U	0.68 J	6.7 J	
	MW03042018	4/27/18	1.0 U	1.0 U	11	0.3 U	1.0 U	1.8 U	0.11 J	0.69 J	0.7 U	43	0.51 J	29	0.1 U	0.2 U	1.3 J	8.0 U	
	MW03102017	10/23/17	1.0 U	0.39 J	9.9	0.30 U	1.0 U	1.8 U	0.095 J	1.8 U	0.70 U	42	1.0 U	27	0.10 U	0.20 U	2.0 U	5.8 J	
	MW03042017	4/21/17	1.0 U	0.41 J	8.4	0.30 U	1.0 U	1.8 U	0.14 J	0.81 J	0.70 U	47 J	0.78 J	26	0.10 U	0.20 U	0.91 J	5.0 J	
MW18D	MW18D102018	10/10/18	1.0 U	0.81 J	23	0.30 U	0.44 J	1.8 J	0.56 J	13	1.7 J	590	2.6 J	0.73 J	0.047 J	0.20 U	6.9	170	
	MW18D042018	4/25/18	0.93 J	1.1 J	45	0.30 U	0.80 J	3.0 J	1.0	35	4.6	650	3.7	2.0 U	0.11 U	0.093 J	16	450	
	MW18D102017	10/19/17	1.0 U	0.99 J	31	0.30 U	1.0 U	1.8 U	0.52 J	3.7	0.58 J	640	2.6 J	2.0 J	0.10 U	0.20 U	22	400	
	MW18D042017	4/20/17	0.80 J	1.6 J	78	0.58 J	0.31 J	11	2.1	14	5.1	670	9.5	0.99 J	0.15 J	0.13 J	33	490	
MW18S	Well has been dry since 2011		Well was dry and was not sampled																
MW20	MW20102018	10/15/18	1.0 U	0.33 J	16	0.30 U	1.0 U	1.8 U	1.3	2.4 U	0.78 J	1200	2.7 J	50	0.033 J	0.20 U	2.0 U	65	
	MW20042018	4/30/18	0.68 J	1.0 U	16	0.30 U	1.0 U	1.8 U	1.5	2.4	0.70 U	1700	3.5	78	0.045 J	0.20 U	0.74 J	91	
	MW20102017	10/23/17	1.0 U	1.0 U	17	0.30 U	1.0 U	0.70 J	1.2	1.9 J	0.70 U	1400	3.5	70	0.10 U	0.20 U	2.0 U	86	
	MW20042017	4/24/17	1.0 U	0.34 J	17 J	0.30 UJ	1.0 UJ	1.8 U	1.2	1.7 J	0.70 UJ	1400 J	2.9 J	62	0.10 U	0.20 U	0.62 J	83	

Table 5-10: Summary of Total Metals Analytical Results - Method 6020A (µg/L)

			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS
			7440-36-0	7440-38-2	7440-39-3	7440-41-7	7440-43-9	7440-47-3	7440-48-4	7440-50-8	7439-92-1	7439-96-5	7440-02-0	7782-49-2	7440-22-4	7440-28-0	7440-62-2	7440-66-6
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^a															
			6 ^b	10 ^b	2000 ^b	4 ^b	5 ^b	50 ^b	50 ^b	1000 ^b	15 ^b	200 ^b	200 ^b	50 ^b	50 ^b	2 ^b	86 ^c	10000 ^b
MW22D	MW22D102018	10/12/18	1.0 U	0.39 J	11	0.30 U	1.0 U	1.8 U	0.20 U	0.71 J	0.70 U	130	0.54 J	36	0.10 U	0.20 U	0.97 J	24
	MW22D042018	4/27/18	1.0 U	0.33 J	10	0.30 U	1.0 U	1.8 U	0.17 J	0.81 J	0.7 U	140 J	0.78 J	37	0.1 U	0.2 U	1.2 J	31
	MW22D102017	10/23/17	1.0 U	0.36 J	12	0.30 U	1.0 U	1.8 U	0.16 J	0.69 J	0.70 U	130	0.52 J	36	0.10 U	0.20 U	2.0 U	5.0 J
	MW22D042017	4/19/17	1.0 U	0.39 J	12	0.30 U	1.0 U	1.8 U	0.19 J	1.8 U	0.70 U	130 J	0.50 J	38	0.10 U	0.20 U	1.1 J	19 J
MW22S	MS22S102018	10/2018	Well was dry and was not sampled															
	MS22S042018	04/2018	Well was dry and was not sampled															
	MW22S102017	10/2017	Well was dry and was not sampled															
	MW22S042017	04/2017	Well was dry and was not sampled															
MW23	MW23102018	10/17/18	1.0 U	1.3 J	240	0.30 U	1.0 U	1.6 J	0.8 J	1.1 J	0.86 J	74	1.9 J	2.0 U	0.043 J	0.20 U	3.8 U	8.0 U
	MW23102018FD ^d	10/17/18	1.0 U	1.1 J	220	0.30 U	1.0 U	1.2 J	0.83 J	0.77 J	0.77 J	71	1.7 J	2.0 U	0.034 J	0.20 U	3.5 U	8.0 U
	MW23042018	4/24/18	1.0 U	1.3 J	210	0.30 U	1.0 U	1.8 U	0.40 J	1.8 U	0.25 J	76	2.9 J	2.0 U	0.10 U	0.20 U	2.5 U	7.2 J
	MW23042018FD ^d	4/24/18	1.0 U	1.1 J	220	0.30 U	1.0 U	1.8 U	0.37 J	1.8 U	0.70 U	76	2.0 J	2.0 U	0.10 U	0.20 U	2.4 U	8.0 UJ
	MW23102017	10/18/17	1.0 U	1.2 J	170	0.089 J	1.0 U	1.8 U	0.89 J	2.9	0.65 J	67	2.6 J	2.0 U	0.10 U	0.20 U	10	6.7 J
	MW23102017FD ^d	10/18/17	0.45 J	1.0 J	150	0.31 J	1.0 U	0.85 J	1.0	3.2	0.69 J	62	2.7 J	2.0 U	0.054 J	0.086 J	12	3.3 J
	MW23042017	4/18/17	1.0 U	1.2 J	150 J	0.10 J	1.0 U	0.88 J	0.88 J	3.3	0.56 J	71	1.6 J	2.0 U	0.10 U	0.20 U	9.9	3.7 J
	DMW23042017 ^d	4/18/17	1.0 U	1.3 J	140 J	0.16 J	1.0 U	1.0 J	1	3.8	0.68 J	72	1.8 J	2.0 U	0.074 J	0.052 J	13	4.6 J
MW24	MW24102018	10/17/18	1.0 U	0.8 J	290	0.30 U	1.0 U	1.8 U	0.12 J	1.8 U	0.70 U	430	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U
	MW24102018FD ^d	10/17/18	1.0 U	0.66 J	300	0.30 U	1.0 U	1.8 U	0.097 J	1.8 U	0.70 U	440	0.32 J	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U
	MW24042018	4/23/18	1.0 U	0.71 J	290	0.30 U	1.0 U	1.8 U	0.095 J	1.8 U	0.70 U	420	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U
	MW24042018FD ^d	4/23/18	1.0 U	0.79 J	290	0.30 U	1.0 U	1.8 U	0.074 J	1.8 U	0.21 J	430	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U
	MW24102017	10/17/17	1.0 U	0.90 J	320	0.30 U	1.0 U	0.55 J	0.20 U	1.8 U	0.70 U	450	0.44 J	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U
	MW24102017FD 01 ^d	10/17/17	1.0 U	0.76 J	310	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	430	1.0 J	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U
	MW24042017	4/17/17	1.0 U	0.80 J	290 J	0.30 U	1.0 U	1.8 U	0.092 J	1.8 U	0.70 U	450	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U
	DMW24042017 ^d	4/17/17	1.0 U	0.49 J	310 J	0.30 U	1.0 U	1.8 U	0.060 J	1.8 U	0.70 U	470	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U
SMW01	SMW01102018	10/12/18	1.0 U	1.5 J	35	0.30 U	1.0 U	1.8 U	0.20 U	1.8 J	0.70 U	390	2.3 J	2.0 U	0.038 J	0.20 U	3.8 J	3.7 J
	SMW01042018	4/26/18	0.55 J	1.7 J	44	0.30 U	1.0 U	1.8 U	1.1	1.7 J	0.19 J	730	2.9 J	2.0 U	0.034 J	0.20 U	3.5 J	8.0 U
	SMW01102017	10/20/17	1.0 U	1.4 J	57	0.30 U	1.0 U	0.79 J	1.7	2.0	0.70 U	1200	4.0	2.0 U	0.10 U	0.20 U	3.4 J	16 J
	SMW01042017	4/21/17	1.0 U	1.3 J	41	0.30 U	1.0 U	1.8 U	0.97 J	1.6 J	0.70 U	600 J	2.4 J	2.0 U	0.10 U	0.20 U	3.0 J	5.9 J
TMW01	TMW01102018	10/15/18	1.0 U	0.69 J	11	0.30 U	1.0 U	0.62 J	0.09 J	3.9 U	0.70 U	9.0	1.0 U	4.4 J	0.10 U	0.20 U	13	3.1 J
	TMW01042018	5/4/18	1.0 U	0.90 J	11	0.30 U	1.0 U	1.8 U	0.20 U	3.9	0.70 U	9.7	1.0 U	4.3 J	0.10 U	0.20 U	13	8.0 U
	TMW01102017	10/27/17	1.0 U	0.76 J	13	0.30 U	1.0 U	0.57 J	0.20 U	10	0.24 J	8.4	1.0 U	4.6 J	0.10 U	0.20 U	13	5.3 J
	TMW01042017	4/25/17	1.0 U	0.65 J	12	0.30 U	1.0 U	1.8 U	0.20 U	4	0.70 U	8.4	1.0 U	5	0.10 U	0.20 U	13	8.0 U
TMW03	TMW03102018	10/12/18	1.0 U	0.54 J	12	0.30 U	1.0 U	1.8 U	0.098 J	1.8 U	0.70 U	7.5	0.33 J	47	0.10 U	0.20 U	1.6 J	8.3 J
	TMW03042018	4/30/18	1.0 U	0.40 J	14	0.30 U	1.0 U	1.8 U	0.064 J	0.75 J	0.70 U	5.4	1.0 U	58	0.10 U	0.20 U	2.0 J	8.0 U
	TMW03102017	10/25/17	1.0 U	0.51 J	13	0.30 U	1.0 U	1.8 U	0.20 U	0.67 J	0.70 U	4.4	1.0 U	58	0.10 U	0.20 U	1.2 J	8.1 J
	TMW03042017	4/24/17	1.0 U	0.54 J	12 J	0.13 J	1.0 UJ	1.8 U	0.066 J	1.8 U	0.70 UJ	4.9 J	1.0 U	53	0.10 U	0.20 U	1.8 J	7.2 J
TMW04	TMW04102018	10/16/18	1.0 U	0.93 J	8.0	0.30 U	1.0 U	2.6 J	0.20 U	1.8 U	0.70 U	0.95 U	1.0 U	79	0.10 U	0.20 U	14	8.0 U
	TMW04042018	5/2/18	1.0 U	0.90 J	7.9	0.30 U	1.0 U	3.1 J	0.20 U	1.8 U	0.70 U	0.95 U	1.0 U	85	0.10 U	0.20 U	18	3.1 J
	TMW04102017	10/25/17	1.0 U	0.97 J	8.1	0.54 U	1.0 U	4.2 J	0.20 U	3.0	0.70 U	0.32 J	1.0 U	85	0.043 J	0.20 U	14	2.3 J
	TMW04042017	4/24/17	1.0 U	1.1 J	8.0 J	0.30 UJ	1.0 UJ	2.0 J	0.20 U	1.8 U	0.70 UJ	0.39 J	1.0 U	85	0.10 U	0.20 U	17	2.9 J

Table 5-10: Summary of Total Metals Analytical Results - Method 6020A (µg/L)

			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	
			CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS
			7440-36-0	7440-38-2	7440-39-3	7440-41-7	7440-43-9	7440-47-3	7440-48-4	7440-50-8	7439-92-1	7439-96-5	7440-02-0	7782-49-2	7440-22-4	7440-28-0	7440-62-2	7440-66-6	
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^a																
			6 ^b	10 ^b	2000 ^b	4 ^b	5 ^b	50 ^b	50 ^b	1000 ^b	15 ^b	200 ^b	200 ^b	50 ^b	50 ^b	2 ^b	86 ^c	10000 ^b	
TMW06	TMW06102018	10/12/18	1.0 U	0.88 J	14	0.30 U	1.0 U	1.8 U	0.056 J	1.5 J	0.70 U	37	0.57 J	0.87 J	0.033 J	0.20 U	2.5 J	8.0 U	
	TMW06042018	4/30/18	1.0 U	0.97 J	16	0.30 U	1.0 U	1.8 U	0.057 J	1.7 J	0.70 U	35	0.54 J	1.0 J	0.10 U	0.20 U	3.1 J	8.0 U	
	TMW06102017	10/17/17	1.0 U	0.93 J	14	0.30 U	1.0 U	1.8 U	0.20 U	4.7	0.70 U	34	0.56 J	1.1 J	0.10 U	0.20 U	2.7 U	8.0 U	
	TMW06042017	4/20/17	1.0 U	0.85 J	15	0.30 U	1.0 U	1.8 U	0.20 U	1.9 J	0.70 U	32	0.66 J	1.2 J	0.10 U	0.20 U	2.9 J	2.2 J	
TMW07	TMW07102018	10/10/18	1.3 U	0.6 J	18	0.30 U	1.0 U	3.2 J	0.87 J	1.2 J	0.56 J	390	2.2 J	2.0 U	0.037 J	0.13 J	9.1	8.0 U	
	TMW07042018	4/25/18	1.8 J	0.92 J	27	0.15 J	1.0 U	3.8 J	0.77 J	2.8 U	0.80 J	410	3.8	2.0 U	0.10 U	0.20 U	13	13 J	
	TMW07102017	10/19/17	1.0 U	0.72 J	29	0.30 U	1.0 U	0.81 J	0.48 J	1.2 J	0.46 J	320	1.6 J	1.6 J	0.10 U	0.20 U	7.2	8.1 J	
	TMW07042017	4/20/17	0.63 J	0.94 J	18	0.30 U	1.0 U	0.77 J	0.69 J	1.2 J	0.33 J	350	3.4	2.0 U	0.048 J	0.20 U	6.6	6.7 J	
TMW08	TMW08102018	10/11/18	1.0 U	1.0 U	11	0.092 J	1.0 U	1.8 U	0.59 J	1.9 J	0.70 U	430	1.2 J	24	0.10 U	0.20 U	2.0 U	5.4 J	
	TMW08042018	4/27/18	1.0 U	1.0 U	9.3	0.3 U	1.0 U	1.8 U	0.58 J	2	0.7 U	430	1.6 J	27	0.1 U	0.2 U	1.4 J	11 U	
	TMW08102017	10/20/17	1.0 U	0.40 J	9.2	0.30 U	1.0 U	1.8 U	0.50 U	1.8 J	0.70 U	370	1.0 U	43	0.10 U	0.20 U	2.0 U	6.7 J	
	TMW08042017	4/21/17	1.0 U	0.34 J	10	0.30 U	1.0 U	1.8 U	0.62 J	2.5	0.70 U	400 J	1.6 J	47	0.10 U	0.20 U	1.1 J	6.0 J	
TMW10	TMW10102018	10/10/18	1.0 U	0.59 J	13	0.30 U	1.0 U	0.7 J	0.20 U	1.4 J	0.70 U	10	0.89 J	2.0 U	0.042 J	0.20 U	2.8 J	8.0 U	
	TMW10042018	4/24/18	1.0 U	1.6 J	77	0.33 J	1.0 U	3.6 J	1.9	16	2.8 J	1300	5.9	2.0 U	0.078 J	0.066 J	9.0	12 J	
	TMW10102017	10/25/17	1.0 U	1.0 J	44	0.30 U	1.0 U	1.5 J	0.91 J	4.5	1.3 J	770	2.5 J	0.73 J	0.10 U	0.20 U	5.1 J	5.9 J	
	TMW10042017	4/21/17	0.44 J	1.3 J	66	0.33 J	1.0 U	3.4 J	1.6	3.8	2.9 J	280 J	3.3	2.0 U	0.17 J	0.066 J	8.8	13 J	
TMW11	TMW11102018	10/11/18	1.0 U	7.3	590	4.8	0.35 J	66	29	20	35	1200	58	12	0.97 J	0.57 J	96	300	
	TMW11042018	5/2/18	1.0 U	0.33 J	27	0.30 U	1.0 U	4.6 J	0.15 J	1.8 U	0.24 J	15	0.95 J	17	0.10 U	0.20 U	4.9 J	4.1 J	
	TMW11102017	10/27/17	1.0 U	0.52 J	28	0.30 U	1.0 U	2.7 J	0.075 J	1.8 U	0.70 U	6.1	0.74 J	14	0.10 U	0.20 U	4.1 J	2.6 J	
	TMW11042017	4/26/17	1.0 U	0.43 J	28	0.30 U	1.0 U	3.8 J	0.30 J	0.64 J	0.35 J	15	0.98 J	15	0.044 J	0.20 U	3.7 J	4.4 J	
TMW13	TMW13102018	10/15/18	1.0 U	1.0 U	17	0.30 U	1.0 U	0.92 J	0.20 U	1.8 U	0.70 U	0.95 U	1.0 U	11	0.10 U	0.20 U	2.5 J	8.0 U	
	TMW13042018	5/1/18	1.0 U	1.0 U	18	0.30 U	1.0 U	0.51 J	0.20 U	1.8 U	0.70 U	0.95 U	1.0 U	11	0.10 U	0.20 U	2.6 J	8.0 U	
	TMW13102017	10/26/17	1.0 U	1.0 U	17	0.30 U	1.0 U	0.59 J	0.20 U	1.8 U	0.70 U	0.95 U	1.0 U	11	0.10 U	0.20 U	2.5 J	8.0 U	
	TMW13042017	4/25/17	1.0 U	1.0 U	18	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	0.72 J	1.0 U	11	0.10 U	0.20 U	2.5 J	8.0 U	
TMW15	TMW15102018	10/16/18	1.0 U	1.0 U	20	0.30 U	1.0 U	0.92 J	0.20 U	1.8 U	0.70 U	0.95 U	1.0 U	11	0.10 U	0.20 U	2.0 U	8.1 U	
	TMW15102018FD ^d	10/16/18	1.0 U	1.0 U	20	0.30 U	1.0 U	0.89 J	0.20 U	1.8 U	0.70 U	0.95 U	1.0 U	11	0.10 U	0.20 U	2.0 U	8.0 U	
	TMW15042018	5/3/18	1.0 U	0.33 J	21	0.30 U	1.0 U	0.99 J	0.20 U	1.8 U	0.70 U	0.95 U	1.0 U	12	0.10 U	0.20 U	1.5 J	3.4 J	
	TMW15042018FD ^d	5/3/18	1.0 U	1.0 U	21	0.30 U	1.0 U	1.1 J	0.20 U	1.8 U	0.70 U	0.33 J	1.0 U	12	0.10 U	0.20 U	1.6 J	3.7 J	
	TMW15102017	10/26/17	1.0 U	0.40 J	21	0.30 U	1.0 U	0.84 J	0.20 U	1.8 U	0.70 U	0.95 U	1.0 U	12	0.10 U	0.20 U	1.7 J	7.3 J	
	TMW15102017FD ^d	10/26/17	1.0 U	1.0 U	22	0.30 U	1.0 U	1.1 J	0.20 U	1.8 U	0.70 U	0.95 U	1.0 U	12	0.10 U	0.20 U	1.8 J	5.0 J	
	TMW15042017	4/27/17	1.0 U	1.0 U	23	0.30 U	1.0 U	0.96 J	0.20 U	1.8 U	0.70 U	0.37 J	0.60 J	12	0.10 U	0.20 U	2.2 J	5.8 J	
	DTW15042017 ^e	4/27/17	1.0 U	1.0 U	21	0.30 U	1.0 U	0.79 J	0.20 U	1.8 U	0.70 U	0.95 U	1.0 U	12	0.10 U	0.20 U	1.8 J	5.4 J	
TMW21	TMW21102018	10/9/18	1.0 U	2.5 J	160	0.62 U	1.0 U	6.2 J	3.1	12	4.2	310	5.9	3.2 J	0.10 U	0.20 U	15	25	
	TMW21042018	5/1/18	1.0 U	4.0 J	240	0.87 J	1.0 U	10	5.7	21	6.8	510	11	3.6 J	0.10 J	0.13 J	24	34	
	TMW21102017	10/25/17	0.60 J	3.8 J	200	0.90 J	1.0 U	8.7 J	5.1	20	6.2	410	9.6	3.2 J	0.10 U	0.20 U	20	29	
	TMW21042017	4/26/17	1.1 J	5.4	270	1.3	1.0 U	14	7.5	26	9.5	530	14	3.0 J	0.17 J	0.20 J	28	44	
TMW22	TMW22102018	10/11/18	1.0 U	1.1 J	39	0.083 J	1.0 U	2.7 J	0.52 J	1.7 J	0.47 J	34	1.4 J	2.1 J	0.10 U	0.20 U	7.1	8.0 U	
	TMW22042018	4/25/18	0.71 J	0.65 J	31	0.20 J	1.0 U	2.8 J	0.28 J	1.8 U	0.29 J	25	2.7 J	2.5 J	0.10 U	0.20 U	5.7 J	5.7 J	
	TMW22102017	10/25/17	1.0 U	0.94 J	22	0.30 U	1.0 U	1.8 U	0.20 U	1.0 J	0.70 U	41	0.41 J	1.8 J	0.10 U	0.20 U	4.4 J	8.0 U	
	TMW22042017	4/19/17	1.0 U	4.3 J	540	1.5	1.0 U	30	8.9	13	9.2	510 J	22	3.6 J	0.35 J	0.18 J	41	65	

Table 5-10: Summary of Total Metals Analytical Results - Method 6020A (µg/L)

			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS
			7440-36-0	7440-38-2	7440-39-3	7440-41-7	7440-43-9	7440-47-3	7440-48-4	7440-50-8	7439-92-1	7439-96-5	7440-02-0	7782-49-2	7440-22-4	7440-28-0	7440-62-2	7440-66-6
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^a															
			6 ^b	10 ^b	2000 ^b	4 ^b	5 ^b	50 ^b	50 ^b	1000 ^b	15 ^b	200 ^b	200 ^b	50 ^b	50 ^b	2 ^b	86 ^c	10000 ^b
TMW23	TMW23102018	10/11/18	1.0 U	1.1 J	59	0.22 J	1.0 U	3.8 J	0.86 J	1.7 J	1.0 J	47	2.0 J	2.0 U	0.10 U	0.20 U	6.3	8.0 U
	TMW23042018	4/25/18	1.0 U	3.2 J	250	0.58 J	1.0 U	12	4.1	5.8	5.2	290	8.3	0.71 J	0.10 U	0.088 J	19	27
	TMW23102017	10/19/17	1.0 U	2.1 J	130	0.50 J	1.0 U	6.5 J	2.3	3.6	2.8 J	160	5.1	0.97 J	0.10 U	0.20 U	11	16 J
	TMW23042017	4/20/17	0.44 J	1.9 J	140	0.36 J	1.0 U	5.6 J	1.8	3.2	2.3 J	140	4.3	2.0 U	0.10 U	0.061 J	11	15 J
TMW24	TMW24102018	10/18/18	1.2 J	1.7 J	39	0.30 U	1.0 U	0.62 J	0.33 J	1.6 J	0.70 U	150	2.3 J	2.0 U	0.059 J	0.20 U	2.0 U	11 J
	TMW24042018	4/30/18	1.0 U	0.81 J	38	0.30 U	1.0 U	1.8 U	0.24 J	1.8 U	0.70 U	160	1.1 J	2.0 U	0.042 J	0.20 U	1.3 J	8.0 U
	TMW24102017	10/24/17	1.0 U	0.70 J	38	0.30 U	1.0 U	1.8 U	0.23 J	1.8 U	0.70 U	130	0.89 J	2.0 U	0.10 U	0.20 U	1.2 J	2.8 J
	TMW24042017	4/25/17	1.0 U	0.97 J	39	0.30 U	1.0 U	1.8 U	0.22 J	1.8 U	0.70 U	150	1.1 J	2.0 U	0.10 U	0.20 U	1.4 J	8.0 U
TMW25	TMW25102018	10/16/18	1.1 J	11	240	0.45 J	0.92 J	4.9 J	12	11	3.3	18000	39	0.8 J	0.2 J	0.20 U	84	740
	TMW25042018	4/30/18	1.0 U	0.53 J	14	0.30 U	1.0 U	1.8 U	0.70 J	0.87 J	0.70 U	550	1.1 J	2.0 U	0.038 J	0.20 U	4.5 J	8.0 U
	TMW25102017	10/25/17	1.0 U	0.68 J	19	0.30 U	1.0 U	1.8 U	1.3	1.0 J	0.21 J	1200	1.7 J	2.0 U	0.10 U	0.20 U	3.9 J	16 J
	TMW25042017	4/27/17	1.0 U	0.54 J	11	0.30 U	1.0 U	1.8 U	0.23 J	0.83 J	0.70 U	200	0.49 J	2.0 U	0.10 U	0.20 U	3.7 J	3.9 J
TMW26	TMW26102018	10/10/18	1.0 U	1.1 J	20	0.30 U	1.0 U	1.8 U	0.34 J	2.2	0.70 U	110	2.2 J	2.0 U	1.7 J	0.20 U	3.3 J	8.0 U
	TMW26102018FD ^d	10/10/18	1.0 U	0.97 J	19	0.30 U	1.0 U	1.8 U	0.32 J	2.0	0.70 U	110	1.5 J	2.0 U	0.091 J	0.20 U	3.4 J	2.5 J
	TMW26042018	4/26/18	1.0 U	1.2 J	22	0.30 U	1.0 U	9.6 J	0.38 J	2.6	0.70 U	120	2.1 J	2.0 U	0.10 U	0.20 U	3.9 J	8.0 U
	TMW26042018FD ^d	4/26/18	1.0 U	1.1 J	20	0.30 U	0.32 J	1.8 U	0.31 J	2.4	0.70 U	120	1.9 J	2.0 U	0.10 U	0.20 U	3.6 J	8.0 U
	TMW26102017	10/17/17	1.0 U	1.4 J	27	0.30 U	1.0 U	1.8 U	0.34 U	2.6	0.70 U	120	2.1 J	2.0 U	0.10 U	0.20 U	3.9 U	8.0 U
	TMW26102017FD ^d	10/17/17	1.0 U	1.3 J	26	0.30 U	1.0 U	1.8 U	0.41 U	2.6	0.70 U	110	1.9 J	2.0 U	0.10 U	0.20 U	3.8 U	8.0 U
	TMW26042017	4/20/17	1.0 U	0.97 J	22	0.30 U	1.0 U	1.8 U	0.33 J	2.4	0.70 U	120	1.9 J	2.0 U	0.10 U	0.20 U	4.4 J	2.2 J
	DTW26042017 ^d	4/20/17	1.0 U	1.2 J	25	0.30 U	1.0 U	1.8 U	0.36 J	2.9	0.70 U	120	2.1 J	2.0 U	0.10 U	0.20 U	4.7 J	2.6 J
TMW27	TMW27102018	10/10/18	1.0 U	19	130	0.30 U	1.0 U	1.8 U	0.18 J	1.8 U	0.70 U	560	0.31 J	2.0 U	0.10 U	0.20 U	2.0 U	5.9 J
	TMW27042018	4/26/18	1.0 U	20	120	0.095 J	1.0 U	1.8 U	0.18 J	1.8 U	0.70 U	540	0.59 J	2.0 U	0.10 U	0.20 U	2.0 U	110
	TMW27102017	10/20/17	1.0 U	19	130	0.30 U	1.0 U	1.8 U	0.21 U	1.8 U	0.70 U	560	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	11 J
	TMW27042017	4/21/17	1.0 U	19	120	0.30 U	1.0 U	1.8 U	0.16 J	1.8 U	0.70 U	580 J	0.71 J	2.0 U	0.10 U	0.20 U	0.51 J	14 J
TMW28	TMW28102018	10/9/18	1.0 U	1.0 U	47	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	350	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U
	TMW28042018	4/26/18	1.0 U	1.0 U	46	0.30 U	1.0 U	1.8 U	0.15 J	1.8 U	0.70 U	400	0.44 J	2.0 U	0.10 U	0.20 U	0.72 J	59
	TMW28102017	10/20/17	1.0 U	1.0 U	50	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	390	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	11 J
	TMW28042017	4/24/17	1.0 U	1.0 U	50 J	0.30 UJ	1.0 UJ	1.8 U	0.27 J	1.8 U	0.70 UJ	850 J	0.52 J	2.0 U	0.10 U	0.20 U	0.81 J	2.2 J
TMW29	TMW29102018	10/9/18	1.0 U	2.9 J	170	0.79 J	1.0 U	9.4 J	4.0	5.0	5.1	210	8.3	18	0.10 U	0.20 U	18	24
	TMW29042018	4/23/18	1.0 U	3.3 J	210	0.60 J	1.0 U	12	5.1	6.0	6.5	290	11	23	0.10 U	0.12 J	24	28
	TMW29102017	10/20/17	1.0 U	5.8	420	1.9 U	1.0 U	23	10	13	13	660	23	22	0.10 U	0.20 U	36	61
	TMW29042017	4/20/17	1.0 U	2.2 J	120	0.40 J	1.0 U	7.0 J	2.7	3.7	3	150	6.4	20 J	0.10 U	0.068 J	14	16 J
TMW31S	TMW31S102018	10/11/18	1.0 U	0.33 J	20	0.30 U	1.0 U	2.0 J	0.19 J	0.67 J	0.70 U	27	0.33 J	8.1	0.10 U	0.20 U	2.3 J	8.0 U
	TMW31S042018	4/25/18	1.0 U	0.34 J	17	0.097 J	1.0 U	1.3 J	0.086 J	1.8 U	0.70 U	32	0.36 J	9.9	0.10 U	0.20 U	2.3 U	2.3 J
	TMW31S102017	10/25/17	1.0 U	1.0 U	16	0.30 U	1.0 U	0.74 J	0.063 J	1.8 U	0.70 U	22	1.0 U	9.1	0.10 U	0.20 U	1.1 J	8.0 U
	TMW31S042017	4/19/17	1.0 U	0.82 J	91	0.48 J	1.0 U	7.3 J	2.2	3.8	2.8 J	200 J	5.1	8.1	0.10 U	0.20 U	11	19 J
TMW33	TMW33102018	10/10/18	1.0 U	1.0 J	38	0.081 J	1.0 U	2.2 J	1.0	3.4	1.1 J	500	2.5 J	2.0 U	0.10 U	0.20 U	6.1	8.0 U
	TMW33042018	4/25/18	0.40 J	1.3 J	74	0.21 J	1.0 U	5.6 J	2.6	5.8	2.3 J	1100	5.4	2.0 U	0.10 U	0.20 U	11	13 J
	TMW33102017	10/20/17	1.0 U	0.98 J	50	0.30 U	1.0 U	4.6 J	1.2	4.0	1.2 J	650	3.0	2.0 U	0.10 U	0.20 U	6.2	7.7 J
	TMW33042017	4/20/17	1.0 U	1.1 J	54	0.20 J	1.0 U	11	1.4	4.7	1.5 J	400	8	2.0 U	0.058 J	0.060 J	8.4	6.5 J

Table 5-10: Summary of Total Metals Analytical Results - Method 6020A (µg/L)

			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS
			7440-36-0	7440-38-2	7440-39-3	7440-41-7	7440-43-9	7440-47-3	7440-48-4	7440-50-8	7439-92-1	7439-96-5	7440-02-0	7782-49-2	7440-22-4	7440-28-0	7440-62-2	7440-66-6
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^a															
			6 ^b	10 ^b	2000 ^b	4 ^b	5 ^b	50 ^b	50 ^b	1000 ^b	15 ^b	200 ^b	200 ^b	50 ^b	50 ^b	2 ^b	86 ^c	10000 ^b
TMW34	TMW34102018	10/15/18	1.0 U	0.48 J	17	0.30 U	1.0 U	1.8 U	0.33 J	1.8 U	0.18 J	150	0.77 J	120	0.048 J	0.20 U	1.4 J	4.0 J
	TMW34102018FD ^d	10/15/18	1.0 U	0.5 J	15	0.30 U	1.0 U	1.8 U	0.3 J	1.8 U	0.70 U	150	0.95 J	120	0.033 J	0.20 U	1.2 J	3.8 J
	TMW34042018	4/27/18	1.0 U	9.5	650	3.7	0.42 J	27	19	22	19	4200	29	120	0.35 J	0.3 J	60	87
	TMW34042018FD ^d	4/27/18	1.0 U	9.2	670	2.8	0.39 J	25	18	21	21	4600	28	120	0.32 J	0.28 J	52	80
	TMW34102017	10/25/17	1.0 U	12	930	3.8	0.52 J	30	26	29	32 J	7300	37	120	0.42 J	0.46 J	67	110 J
	TMW34102017FD ^d	10/25/17	1.0 U	15	1200	4.4	0.61 J	39	33	37	46 J	8300	46	120	0.53 J	0.57 J	84	150 J
	TMW34042017	4/24/17	1.0 U	0.33 J	12 J	0.30 UJ	1.0 UJ	1.8 U	0.23 J	1.8 U	0.29 J	160 J	0.89 J	120	0.10 U	0.20 U	1.4 J	8.0 U
	DTW34042017 ^d	4/24/17	1.0 U	0.33 J	12 J	0.30 UJ	1.0 UJ	1.8 U	0.14 J	1.8 U	0.70 UJ	150 J	0.55 J	120	0.10 U	0.20 U	1.2 J	8.0 U
TMW35	TMW35102018	10/15/18	1.0 U	0.57 J	9.7	0.30 U	1.0 U	1.8 U	0.18 J	1.8 U	0.70 U	110	0.71 J	8.0	0.10 U	0.20 U	1.2 J	8.0 U
	TMW35042018	4/27/18	1.0 U	0.43 J	12	0.3 U	1.0 U	1.8 U	0.17 J	1.5 J	0.7 U	160	0.84 J	8.9	0.1 U	0.2 U	1.9 J	8 U
	TMW35102017	10/23/17	1.0 U	0.63 J	13	0.22 J	1.0 U	1.8 U	0.25 J	1.6 J	0.70 U	160	1.0 J	9.8	0.10 U	0.20 U	2.0 U	8.0 U
	TMW35042017	4/24/17	1.0 U	0.57 J	12 J	0.30 UJ	1.0 UJ	1.8 U	0.22 J	1.3 J	0.38 J	170 J	0.94 J	13	0.10 U	0.20 U	2.0 J	8.0 U
TMW39S	TMW39S102018	10/11/18	1.0 U	0.53 J	37	0.13 J	1.0 U	3.7 J	0.57 J	1.2 J	0.62 J	41	1.0 J	11	0.10 U	0.20 U	5.6 J	8.0 U
	TMW39S042018	4/25/18	1.0 U	4.0 J	620	1.7	0.27 J	29	12	13	15	1100	26	13	0.12 J	0.19 J	50	63
	TMW39S102017	10/18/17	0.78 J	0.73 J	32	0.15 J	1.0 U	2.6 J	0.48 J	1.5 J	0.86 J	61	1.3 J	12	0.10 U	0.20 U	4.0 J	4.8 J
	TMW39S042017	4/19/17	1.0 U	0.46 J	34	0.30 U	1.0 U	3.8 J	0.59 J	1.6 J	0.67 J	37 J	1.4 J	13	0.10 U	0.20 U	6.2	5.2 J
TMW40S	TMW40S102018	10/9/18	1.0 U	20	1100	12	0.45 J	33	15	22	96	1600	37	60	0.17 J	0.29 J	90	590
	TMW40S042018	4/27/18	1.0 U	13	330	2.7	1.0 U	11	4.7	6.9	25	450	11	72	0.063 J	0.095 J	58	170
	TMW40S102017	10/26/17	1.0 U	17	810	5.0	1.0 U	21	10	16	40	980	22	67	0.16 J	0.24 J	70	300
	TMW40S042017	4/24/17	1.0 U	9.5	53	0.30 J	1.0 U	1.8 J	0.61 J	1.4 J	2.1 J	55	1.3 J	61	0.10 U	0.20 U	37	19 J
TMW41	TMW41102018	10/11/18	1.0 U	0.52 J	13	0.30 U	1.0 U	1.3 J	0.15 J	1.8 U	0.70 U	6.8	1.0 U	0.78 J	0.10 U	0.20 U	7.2	8.0 U
	TMW41042018	4/25/18	0.49 J	0.42 J	18	0.10 J	1.0 U	2.1 J	0.24 J	1.8 U	0.40 J	14	0.79 J	0.84 J	0.10 U	0.20 U	7.9	7.9 J
	TMW41102017	10/25/17	1.3 U	0.42 J	12	0.30 U	1.0 U	0.87 J	0.12 J	0.67 J	0.19 J	9.9	1.0 U	0.91 J	0.10 U	0.20 U	5.4 J	8.0 U
	TMW41042017	4/19/17	1.0 U	0.44 J	15	0.12 J	1.0 U	2.1 J	0.22 J	0.86 J	0.21 J	7.8 J	0.44 J	0.94 J	0.10 U	0.20 U	7.9	4.4 J
TMW43	TMW43102018	10/16/18	1.0 U	1.0 U	18	0.30 U	1.0 U	1.8 U	0.20 U	4.0	0.70 U	46	0.56 J	5.7	0.10 U	0.20 U	2.0 U	8.0 U
	TMW43102018FD ^d	10/16/18	0.66 J	1.0 U	18	0.094 J	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	48	0.41 J	6.1	0.10 U	0.20 U	2.0 U	8.0 U
	TMW43042018	5/2/18	1.0 U	1.0 U	20	0.30 U	1.0 U	1.8 U	0.081 J	1.8 U	0.70 U	52	0.53 J	6.1	0.10 U	0.20 U	1.9 J	2.4 J
	TMW43042018FD ^d	5/2/18	1.0 U	1.0 U	19	0.097 J	1.0 U	0.94 J	0.096 J	1.8 U	0.70 U	53	0.39 J	6.7	0.10 U	0.20 U	2.0 J	8.0 U
	TMW43102017	10/24/17	1.0 U	1.0 U	19	0.30 U	1.0 U	1.8 U	0.098 J	1.8 U	0.70 U	47	0.51 J	5.7	0.10 U	0.20 U	1.7 J	4.7 J
	TMW43102017FD ^d	10/24/17	1.0 U	1.0 U	18	0.30 U	1.0 U	1.8 U	0.077 J	1.8 U	0.70 U	45	0.52 J	5.5	0.10 U	0.20 U	1.4 J	8.0 U
	TMW43042017	4/27/17	1.0 U	1.0 U	19	0.30 U	1.0 U	1.8 U	0.072 J	1.8 U	0.70 U	47	0.33 J	5.9	0.10 U	0.20 U	1.8 J	8.0 U
	DTW43042017 ^d	4/27/17	1.0 U	1.0 U	20	0.11 J	1.0 U	1.8 U	0.10 J	1.8 U	0.70 U	49	0.46 J	6.6	0.10 U	0.20 U	1.7 J	2.1 J
TMW44	TMW44102018	10/11/18	1.0 U	2.1 J	100	0.5 J	1.0 U	5.7 J	2.8	3.4	3.6	400	5.1	2.0 J	0.10 U	0.092 J	14	16 J
	TMW44042018	4/25/18	1.0 U	1.6 J	72	0.20 J	1.0 U	3.6 J	1.7	2.2 U	2.4 J	220	3.5	3.0 J	0.10 U	0.061 J	10	12 J
	TMW44102017	10/25/17	1.0 U	2.6 J	150	0.63 J	1.0 U	5.8 J	3.9	4.9	6.4	480	5.9	2.5 J	0.10 U	0.15 J	16	29
	TMW44042017	4/19/17	1.0 U	1.4 J	56	0.24 J	1.0 U	3.0 J	1.5	2.8	2.2 J	300 J	2.5 J	2.2 J	0.046 J	0.061 J	8.6	11 J
TMW45	TMW45102018	10/17/18	1.0 U	0.98 J	66	0.30 U	1.0 U	1.8 U	0.16 J	1.4 J	0.70 U	120	1.1 J	2.0 U	0.10 U	0.20 U	3.4 U	8.0 U
	TMW45042018	5/2/18	1.0 U	0.99 J	73	0.30 U	1.0 U	1.8 U	0.17 J	1.8 U	0.70 U	130	1.0 J	0.78 J	0.10 U	0.20 U	4.5 J	12 J
	TMW45102017	10/27/17	1.0 U	1.1 J	70	0.30 U	1.0 U	1.8 U	0.083 J	1.6 J	0.70 U	110	0.89 J	0.85 J	0.10 U	0.20 U	3.9 J	8.0 U
	TMW45042017	4/28/17	1.0 U	0.96 J	70	0.30 U	1.0 U	1.8 U	0.29 J	1.6 J	0.18 J	150	1.3 J	0.77 J	0.033 J	0.072 J	4.4 J	8.0 U

Table 5-10: Summary of Total Metals Analytical Results - Method 6020A (µg/L)

			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS
			7440-36-0	7440-38-2	7440-39-3	7440-41-7	7440-43-9	7440-47-3	7440-48-4	7440-50-8	7439-92-1	7439-96-5	7440-02-0	7782-49-2	7440-22-4	7440-28-0	7440-62-2	7440-66-6
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^a															
			6 ^b	10 ^b	2000 ^b	4 ^b	5 ^b	50 ^b	50 ^b	1000 ^b	15 ^b	200 ^b	200 ^b	50 ^b	50 ^b	2 ^b	86 ^c	10000 ^b
TMW46	TMW46102018	10/10/18	1.0 U	1.1 J	82	0.1 J	1.0 U	3.3 J	1.3	2.2	1.7 J	75	1.9 J	110	0.10 U	0.20 U	6.8	8.0 U
	TMW46042018	4/25/18	1.0 U	1.3 J	170	0.51 J	1.0 U	5.0 J	2.7	3.6 U	3.2	180	3.5	120	0.10 U	0.062 J	12	12 J
	TMW46102017	10/25/17	1.0 U	3.3 J	370	0.91 J	1.0 U	11	6.2	8.1	9.9	440	8.5	120	0.14 U	0.17 J	23	33
	TMW46042017	4/20/17	1.0 U	0.49 J	27	0.30 U	1.0 U	1.6 J	0.37 J	1.6 J	0.56 J	19	0.91 J	110 J	0.10 U	0.20 U	3.9 J	5.3 J
TMW47	TMW47102018	10/17/18	1.0 U	0.79 J	12	0.30 U	1.0 U	1.8 U	0.08 J	1.8 U	0.70 U	35	0.35 J	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U
	TMW47042018	5/3/18	1.0 U	0.53 J	13	0.30 U	1.0 U	1.8 U	0.064 J	2.4	0.70 U	38	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U
	TMW47102017	10/26/17	1.0 U	0.55 J	12	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	40	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	2.1 J
	TMW47042017	4/25/17	1.0 U	0.44 J	14	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	38	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U
Northern Bedrock Groundwater Zone																		
BGMW07	BGMW07102018	10/12/18	1.0 U	2.2 J	220	0.95 J	1.0 U	27	9.8	8.7	6.8	2100	19	2.0 U	0.10 U	0.18 J	45	32
	BGMW07042018	4/26/18	1.7 J	0.43 J	98	0.30 U	1.0 U	3.7 J	2.2	0.77 J	0.22 J	1400	15	2.0 U	0.10 U	0.20 U	1.6 J	8.0 U
BGMW08	BGMW08102018	10/9/18	1.0 U	6.3	1300	2.9	0.30 J	71	24	12	23	3000	55	2.0 U	0.10 U	0.25 U	86	91
	BGMW08072018	7/18/18	1.0 U	9.3	2300	7.8	0.48 J	120	43	31	36	3800	93	2.0 U	0.13 U	0.44 J	130	140
	BGMW08042018	4/2018	Well was dry and was not sampled															
BGMW09	BGMW09102018	10/10/18	1.0 U	9.5 J	570 J	4.5 J	1.0 U	88 J	29 J	21 J	23 J	1000 J	74	2.0 U	0.046 J	0.35 J	92 J	180
	BGMW09102018FD ^d	10/10/18	1.0 U	13 J	990 J	7.3 J	0.37 J	120 J	44 J	30 J	36 J	2100 J	100	2.0 U	0.055 J	0.48 J	130 J	250
	BGMW091020182	10/16/18	1.0 U	5.2	440 J	3.1 J	1.0 U	58 J	21 J	13 J	15 J	770 J	48 J	2.0 U	0.10 U	0.25 J	64 J	120 J
	BGMW09102018FD2 ^d	10/16/18	1.0 U	3.0 J	120 J	1.2 J	1.0 U	24 J	7.2 J	5.7 J	5.1 J	270 J	17 J	2.0 U	0.10 U	0.091 J	27 J	50 J
	BGMW09042018	5/1/18	1.0 U	20	1600	10	0.54 J	270	67	55	54	3400	170	2.0 U	0.10 J	0.70 J	180	530
BGMW10	BGMW10102018	10/11/18	1.0 U	1.0 U	7.8	0.30 U	1.0 U	1.0 J	0.20 U	1.8 U	0.70 U	23	0.42 J	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U
	BGMW10042018	4/27/18	3.8 J	1.0 U	16	0.30 U	1.0 U	6.5 J	0.26 J	1.2 J	0.21 J	26	2.8 J	2.0 U	0.10 U	0.20 U	0.56 J	8.0 U
TMW02	TMW02102018	10/16/18	1.0 U	1.1 J	9.7	0.30 U	1.0 U	0.54 J	0.20 U	1.8 U	0.70 U	3.3 J	1.0 U	74	0.10 U	0.20 U	39	8.0 U
	TMW02042018	5/1/18	1.0 U	1.0 J	8.6	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	0.41 J	1.0 U	83	0.10 U	0.20 U	46	8.0 U
	TMW02102017	10/24/17	1.0 U	0.88 J	8.9	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.88 J	0.41 J	1.0 U	75	0.10 U	0.20 U	40	8.0 U
	TMW02042017	4/24/17	1.0 U	1.1 J	7.7 J	0.30 UJ	1.0 UJ	1.8 U	0.20 U	1.8 U	0.70 UJ	0.92 J	1.0 U	79	0.10 U	0.20 U	42	8.0 U
TMW14A	TMW14A102018	10/15/18	1.0 U	0.62 J	18	0.30 U	1.0 U	1.8 U	0.20 U	40	0.70 U	14	2.0 J	2.0 U	0.13 J	0.20 U	2.0 U	3.6 J
	TMW14A042018	5/3/18	1.0 U	0.60 J	19	0.30 U	1.0 U	1.8 U	0.20 U	6.7	0.70 U	14	1.2 J	2.0 U	0.10 U	0.20 U	2.0 U	2.6 J
	TMW14A102017	10/26/17	1.0 U	0.52 J	50	0.30 U	1.0 U	0.96 J	0.29 J	3.1	0.46 J	33	0.85 J	2.0 U	0.072 J	0.20 U	0.87 J	5.7 J
	TMW14A042017	4/27/17	1.0 U	0.73 J	19	0.30 U	1.0 U	1.8 U	0.20 U	1.3 J	0.70 U	11	0.60 J	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U
TMW16	TMW16102018	10/19/18	1.0 U	1.0 U	25	0.30 U	1.0 U	19	0.46 J	2.7	0.51 J	14	14	2.0 U	1.9 J	0.20 U	3.5 U	9.3 J
	TMW16042018	4/25/18	1.3 J	0.50 J	87	0.29 J	1.0 U	20	2.7	6.0	1.8 J	63	54	2.0 U	0.66 J	0.051 J	18	31
	TMW16102017	10/20/17	1.0 U	1.0 U	29	0.30 U	1.0 U	6.9 J	0.61 U	3.8	0.70 U	17	21	2.0 U	0.14 U	0.20 U	8.9	15 J
	TMW16042017	4/20/17	1.0 U	1.6 J	100	0.38 J	1.0 U	8.1 J	2.1	5.9	2.0 J	76	23	2.0 U	1.3 J	0.050 J	54	28
TMW17	TMW17102018	10/18/18	1.0 U	1.0 U	15	0.30 U	1.0 U	1.8 U	0.20 U	0.77 J	0.47 J	12	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	4.6 J
	TMW17042018	5/3/18	1.0 U	1.0 U	15	0.30 U	1.0 U	1.8 U	0.20 U	0.60 J	0.58 J	12	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	4.2 J
	TMW17102017	10/26/17	1.0 U	1.0 U	15	0.30 U	1.0 U	1.8 U	0.20 U	1.3 J	0.72 J	13	0.48 J	2.0 U	0.13 J	0.20 U	2.0 U	92
	TMW17042017	4/27/17	1.0 U	0.42 J	16	0.30 U	1.0 U	1.8 U	0.20 U	0.75 J	0.72 J	14	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	18 J
TMW18	TMW18102018	10/18/18	0.75 J	1.3 J	13	0.30 U	1.0 U	2.3 J	0.20 U	1.8 U	0.38 J	7.0	0.7 J	2.0 U	0.10 U	0.20 U	18	2.9 J
	TMW18042018	4/25/18	0.64 J	1.5 J	21	0.30 U	1.0 U	1.7 J	0.080 J	3.2 U	0.77 J	10	0.80 J	2.0 U	0.41 J	0.20 U	20	6.5 J
	TMW18102017	10/19/17	1.0 U	2.3 J	15	0.30 U	1.0 U	1.6 J	0.20 U	1.6 J	0.61 J	9.1	0.58 J	1.6 J	0.25 U	0.20 U	17	7.6 J
	TMW18042017	4/20/17	1.0 U	1.8 J	22	0.30 U	1.0 U	1.8 J	0.18 J	2.1	0.95 J	13	0.86 J	2.0 U	0.14 J	0.20 U	26	4.9 J

Table 5-10: Summary of Total Metals Analytical Results - Method 6020A (µg/L)

			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
			CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS
			7440-36-0	7440-38-2	7440-39-3	7440-41-7	7440-43-9	7440-47-3	7440-48-4	7440-50-8	7439-92-1	7439-96-5	7440-02-0	7782-49-2	7440-22-4	7440-28-0	7440-62-2	7440-66-6
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^a															
			6 ^b	10 ^b	2000 ^b	4 ^b	5 ^b	50 ^b	50 ^b	1000 ^b	15 ^b	200 ^b	200 ^b	50 ^b	50 ^b	2 ^b	86 ^c	10000 ^b
TMW19	TMW19102018	10/18/18	1.0 U	1.0 U	8.3	0.10 J	1.0 U	1.2 J	0.22 J	1.4 J	0.36 J	21	2.4 J	2.0 U	0.043 J	0.20 U	3.9 U	6.9 J
	TMW19042018	4/25/18	1.0 U	1.0 U	9.8	0.30 U	1.0 U	0.65 J	0.20 J	1.8 U	0.32 J	24	3.0	2.0 U	0.11 U	0.20 U	6.0	8.6 J
	TMW19102017	10/19/17	1.0 U	1.0 U	8.9	0.30 U	1.0 U	1.1 J	0.24 U	2.8	0.33 J	22	3.2	0.77 J	0.10 U	0.20 U	6.4	18 J
	TMW19042017	4/20/17	1.0 U	1.0 U	8.2	0.087 J	1.0 U	0.78 J	0.21 J	1.1 J	0.35 J	20	2.5 J	2.0 U	0.037 J	0.20 U	7.3	7.8 J
TMW30	TMW30102018	10/11/18	1.0 U	0.81 J	16	0.30 U	1.0 U	1.3 J	0.24 J	1.1 J	0.36 J	12	0.61 J	6.4	0.10 U	0.20 U	14	8.0 U
	TMW30042018	4/26/18	1.0 U	1.0 J	30	0.30 U	1.0 U	1.5 J	0.39 J	1.8 U	0.77 J	29	0.92 J	7.3	0.10 U	0.20 U	16	11 U
	TMW30102017	10/25/17	1.0 U	0.82 J	20	0.30 U	1.0 U	0.77 J	0.41 J	1.3 J	0.71 J	21	0.37 J	7.5	0.10 U	0.20 U	15	8.5 J
	TMW30042017	4/19/17	1.0 U	0.88 J	16	0.30 U	1.0 U	1.9 J	0.51 J	2.1	0.51 J	13 J	1.0 J	6.8	0.13 J	0.20 U	12	11 J
TMW31D	TMW31D102018	10/16/18	1.0 U	0.36 J	8.6	0.30 U	1.0 U	1.8 U	0.20 U	0.62 J	0.70 U	3.7	1.0 U	7.7	0.10 U	0.20 U	4.9 J	18 U
	TMW31D102018FD ^d	10/16/18	1.0 U	0.33 J	8.3	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	3.5	0.32 J	7.1	0.10 U	0.20 U	4.6 J	17 U
	TMW31D042018	5/2/18	1.0 U	0.55 J	10	0.30 U	1.0 U	1.8 U	0.061 J	1.8 U	0.70 U	3.5	0.30 J	8.2	0.10 U	0.20 U	7.8	15 J
	TMW31D042018FD ^d	5/2/18	1.0 U	0.34 J	9.4	0.30 U	1.0 U	0.76 J	0.059 J	1.8 U	0.70 U	3.6	1.0 U	8.0	0.10 U	0.20 U	7.7	16 J
	TMW31D102017	10/26/17	1.0 U	0.47 J	9.1	0.30 U	1.0 U	1.8 U	0.060 J	0.56 J	0.70 U	5.5	0.56 J	7.7	0.10 U	0.20 U	6.5	18 J
	TMW31D102017FD ^d	10/26/17	1.0 U	0.67 J	8.7	0.30 U	1.0 U	1.8 U	0.20 U	0.63 J	0.70 U	4.3	1.0 U	8.1	0.10 U	0.20 U	6.4	19 J
	TMW31D042017	4/27/17	1.0 U	0.65 J	11	0.30 U	1.0 U	1.8 U	0.13 J	1.7 J	0.81 J	5.7	0.55 J	8.1	0.10 U	0.20 U	7	23
	DTW31D042017 ^d	4/27/17	1.0 U	0.40 J	11	0.30 U	1.0 U	1.8 U	0.20 U	0.71 J	0.70 U	4	0.36 J	8.7	0.10 U	0.20 U	7.3	16 J
TMW32	TMW32102018	10/12/18	0.46 J	1.5 J	6.0	0.30 U	1.0 U	1.8 U	0.082 J	1.8 U	0.70 U	25	0.39 J	3.4 J	0.10 U	0.20 U	1.8 J	2.4 J
	TMW32042018	5/1/18	1.0 U	0.73 J	7.8	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	26	1.0 U	4.4 J	0.10 U	0.20 U	3.5 J	8.0 U
	TMW32102017	10/20/17	1.0 U	0.87 J	8.7	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	27	1.0 U	3.8 U	0.10 U	0.20 U	2.2 U	2.5 J
	TMW32042017	4/27/17	1.0 U	1.3 J	6.4	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	26	0.48 J	3.4 J	0.10 U	0.20 U	1.9 J	3.2 J
TMW36	TMW36102018	10/18/18	1.0 U	1.0 U	6.9	0.30 U	1.0 U	5.0 J	0.20 J	1.8 U	0.31 J	17	9.8	2.0 U	0.10 U	0.20 U	2.0 U	7.0 J
	TMW36042018	4/25/18	1.0 U	1.0 U	8.1	0.30 U	1.0 U	3.6 J	0.22 J	2.1 U	0.55 J	15	6.5	2.0 U	0.41 J	0.20 U	2.0 U	18 J
	TMW36102017	10/19/17	1.0 U	1.0 U	8.8	0.30 U	1.0 U	2.0 J	0.20 U	1.0 J	0.47 J	17	4.1	2.0 U	0.21 U	0.20 U	2.0 U	20
	TMW36042017	4/20/17	1.0 U	1.0 U	7.7	0.30 U	1.0 U	3.6 J	0.23 J	0.90 J	0.49 J	15	6.6	2.0 U	0.91 J	0.20 U	2.0 J	16 J
TMW37	TMW37102018	10/18/18	1.0 U	0.4 J	19	0.30 U	1.0 U	20	1.2	2.4	3	37	55	2.0 U	0.099 J	0.20 U	2.0 U	130
	TMW37042018	4/25/18	1.0 U	0.36 J	13	0.30 U	1.0 U	5.7 J	0.39 J	2.0 U	1.6 J	12	11	2.0 U	0.17 U	0.20 U	4.7 J	56
	TMW37102017	10/20/17	1.0 U	0.59 J	15	0.30 U	1.0 U	2.4 J	0.24 U	1.7 J	1.6 J	11	7.2	2.0 U	0.12 U	0.20 U	9.4	60
	TMW37042017	4/20/17	1.0 U	0.35 J	12	0.10 J	1.0 U	1.8 J	0.32 J	1.3 J	1.3 J	13	10	2.0 U	0.10 U	0.20 U	3.0 J	53
TMW38	TMW38102018	10/19/18	0.78 J	1.0 U	17	0.30 U	1.0 U	0.69 J	0.16 J	0.99 J	0.3 J	47	0.51 J	2.0 U	0.10 U	0.20 U	9.6	28
	TMW38042018	5/1/18	1.0 U	0.56 J	13	0.30 U	1.0 U	1.8 U	0.10 J	1.8 U	0.70 U	76	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U
	TMW38102017	10/26/17	1.0 U	0.59 J	13	0.30 U	1.0 U	1.8 U	0.097 J	1.8 U	0.70 U	69	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	4.5 J
	TMW38042017	4/26/17	1.0 U	0.60 J	16	0.30 U	1.0 U	1.8 U	0.20 J	0.60 J	0.22 J	79	0.59 J	2.0 U	0.10 U	0.20 U	2.0 U	29
TMW39D	TMW39D102018	10/16/18	1.0 U	1.0 U	12	0.30 U	1.0 U	1.4 J	0.47 J	3.7	0.48 J	60	1.2 J	2.0 U	0.10 U	0.20 U	2.0 U	19 U
	TMW39D042018	5/3/18	1.0 U	1.0 U	7.3	0.30 U	1.0 U	1.8 U	0.057 J	1.8 U	0.70 U	52	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U
	TMW39D102017	10/27/17	1.0 U	1.0 U	7.4	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	50	1.0 U	2.0 U	0.10 U	0.20 U	2.0 U	8.0 U
	TMW39D042017	4/27/17	1.0 U	1.0 U	8.7	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	57	0.72 J	2.0 U	0.10 U	0.20 U	2.0 U	2.0 J
TMW40D	TMW40D102018	10/12/18	1.0 U	0.44 J	8.1	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	50	1.0 U	2.8 J	0.10 U	0.20 U	2.2 J	3.0 J
	TMW40D042018	5/1/18	1.0 U	0.35 J	10	0.30 U	1.0 U	1.1 J	0.088 J	0.65 J	4.8	53	1.0 U	3.1 J	0.10 U	0.20 U	2.9 J	8.0 U
	TMW40D102017	10/23/17	1.0 U	0.36 J	9.5	0.30 U	1.0 U	1.8 U	0.060 J	1.8 U	0.70 U	48	1.0 U	3.6 U	0.10 U	0.20 U	2.3 J	5.8 J
	TMW40D042017	4/25/17	1.0 U	0.43 J	9.8	0.30 U	1.0 U	1.8 U	0.082 J	1.8 U	0.70 U	50	1.0 U	3.2 J	0.10 U	0.20 U	3.2 J	2.4 J

Table 5-10: Summary of Total Metals Analytical Results - Method 6020A (µg/L)

			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Manganese	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	
			CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS	CAS
			7440-36-0	7440-38-2	7440-39-3	7440-41-7	7440-43-9	7440-47-3	7440-48-4	7440-50-8	7439-92-1	7439-96-5	7440-02-0	7782-49-2	7440-22-4	7440-28-0	7440-62-2	7440-66-6	
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^a																
			6 ^b	10 ^b	2000 ^b	4 ^b	5 ^b	50 ^b	50 ^b	1000 ^b	15 ^b	200 ^b	200 ^b	50 ^b	50 ^b	2 ^b	86 ^c	10000 ^b	
TMW48	TMW48102018	10/16/18	1.0 U	0.45 J	11	0.30 U	1.0 U	1.8 U	0.20 U	1.8 U	0.70 U	73	1.0 U	5.3	0.10 U	0.20 U	2.1 U	12 U	
	TMW48042018	5/2/18	1.0 U	0.62 J	12	0.30 U	1.0 U	1.8 J	0.064 J	1.8 U	0.70 U	59	1.0 U	6.8	0.10 U	0.20 U	4.8 J	11 J	
	TMW48102017	10/27/17	1.0 U	0.74 J	12	0.30 U	1.0 U	1.8 U	0.20 U	0.75 J	0.70 U	60	1.0 U	6.5	0.10 U	0.20 U	3.8 J	11 J	
	TMW48042017	4/26/17	1.0 U	0.58 J	11	0.30 U	1.0 U	1.8 U	0.20 U	0.78 J	0.70 U	54	0.69 J	6.3	0.10 U	0.20 U	4.0 J	12 J	
TMW49	TMW49102018	10/17/18	1.0 U	0.38 J	9.5	0.30 U	1.0 U	1.1 J	0.14 J	0.72 J	0.70 U	19	0.68 J	17	0.10 U	0.20 U	10	8.0 U	
	TMW49042018	5/4/18	1.0 U	0.53 J	11	0.30 U	1.0 U	1.3 J	0.064 J	0.92 J	0.70 U	11	0.48 J	18	0.10 U	0.20 U	13	10 J	
	TMW49102017	10/27/17	1.0 U	0.44 J	15	0.30 U	1.0 U	1.2 J	0.20 U	1.1 J	0.20 J	8.4	1.1 J	23	0.033 J	0.20 U	10	7.3 J	
	TMW49042017	4/26/17	1.0 U	0.57 J	11	0.30 U	1.0 U	0.90 J	0.058 J	1.6 J	0.70 U	4.2	0.44 J	19	0.10 U	0.20 U	12	7.5 J	

Notes:

^aMercury is analyzed using EPA Method 7470A, and the remaining metals are analyzed using EPA Method 6010C/6020A.

^bNew Mexico Water Quality Control Commission - NMAC 20.6.2.3103.

^cEPA Region 6 regional screening levels. EPA, May 2019. <https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables>

^dIndicates a field duplicate sample.

Bold indicates analyte was positively detected above screening values.

Acronyms and Abbreviations:

µg/L = microgram per liter

CAS = Chemical Abstracts Service (registry number)

EPA = U.S. Environmental Protection Agency

J = (Estimated) The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to nonconformances discovered during data validation.

NMAC = New Mexico Administrative Code

U = (Non-detected) The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ = (Non-detected estimated) The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to nonconformances discovered during data validation.

Table 5-11: Summary of Dissolved Metals Analytical Results - Method 6010C and 7470A (µg/L)

			Aluminum	Calcium	Iron	Magnesium	Potassium	Sodium	Mercury
			CAS 7429-90-5	CAS 7440-70-2	CAS 7439-89-6	CAS 7439-95-4	CAS 7440-09-7	CAS 7440-23-5	CAS 7439-97-6
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^a						
			5000 ^b	NE	1000 ^b	NE	NE	NE	2 ^b
Northern Alluvial Groundwater Zone									
BGMW01	BGMW01102018	10/9/18	70 U	46000	29 J	28000	1000 J	890000	0.080 U
	BGMW01042018	4/27/18	730	44000	560	25000	760 J	790000	0.08 U
	BGMW01102017	10/23/17	20 J	40000	85 U	26000	420 J	750000	0.080 U
	BGMW01042017	4/24/17	70 U	42000	85 U	24000	2400 J	810000	0.080 UJ
BGMW02	BGMW02102018	10/11/18	70 U	73000	120	100000	1400 J	840000	0.080 U
	BGMW02042018	4/26/18	70 U	76000	85 U	110000	770 J	970000	0.08 U
	BGMW02102017	10/20/17	70 U	76000 J	85 U	100000 J	4500 J	840000	0.080 U
	BGMW02042017	4/21/17	26 J	75000	85 U	120000	930 J	960000	0.080 U
BGMW03	BGMW03102018	10/10/18	250 J	110000	170	24000	2300 J	630000	0.080 U
	BGMW03042018	4/24/18	70 U	95000	85 U	21000	1800 J	660000	0.08 U
	BGMW03102017	10/19/17	53 J	83000	85 U	20000	1900 J	670000	0.080 U
	BGMW03042017	4/20/17	60 J	100000	130	23000	2600 J	720000	0.080 UJ
FW31	FW31102018	10/9/18	70 U	5900	85 U	2300	1700 J	810000	0.080 U
	FW31042018	4/23/18	70 U	6300	85 U	2200	1400 J	530000	0.08 U
	FW31102017	10/18/17	420	5700	170	2300	1600 J	490000	0.080 U
	FW31042017	4/17/17	70 U	8200	85 U	2700	2600 J	570000	0.080 U
FW35	Well has been dry since 2015								
MW01	MW01102018	10/9/18	9100	34000	5500	9400	2900 J	1600000	0.080 U
	MW01042018	4/23/18	3300	35000	1600	7500	1100	910000	0.08 U
	MW01102017	10/24/17	12000	35000	7300	9800	2700 J	930000	0.080 U
	MW01042017	4/19/17	59000	63000	40000	23000	14000 J	940000	0.053 J
MW02	MW02102018	10/9/18	430	120000	280	28000	890 J	570000	0.080 U
	MW02042018	4/23/18	70 U	120000	85 U	26000	550 J	380000	0.08 U
	MW02102017	10/24/17	54 J	120000	32 J	27000	780 J	450000	0.080 U
	MW02042017	4/19/17	70 U	120000	85 U	26000	1500 J	380000	0.080 U
MW03	MW03102018	10/15/18	70 U	53000	85 U	10000	680 J	940000	0.080 U
	MW03042018	4/27/18	70 U	45000	27 U	9200	480 J	990000	0.08 U
	MW03102017	10/23/17	70 U	55000	85 U	11000	560 J	1100000	0.080 U
	MW03042017	4/21/17	70 U	51000	85 U	11000	540 J	1100000	0.080 U
MW18D	MW18D102018	10/10/18	85 J	65000 J	56 J	18000	1200 J	1500000 J	0.080 U
	MW18D042018	4/25/18	640	64000	360	18000	1000 J	1700000	0.08 U
	MW18D102017	10/19/17	82 J	61000	85 U	18000	960 J	2000000	0.080 U
	MW18D042017	4/20/17	70 U	67000	85 U	18000	5300 J	2000000	0.080 UJ
MW18S	Well has been dry since 2011								
MW20	MW20102018	10/15/18	70 U	280000	85 U	58000	2100 J	1900000	0.027 J
	MW20042018	4/30/18	70 U	300000	85 U	62000	2200 J	3400000	0.08 U
	MW20102017	10/23/17	70 U	290000	85 U	63000	2400 J	3200000	0.080 U
	MW20042017	4/24/17	70 U	280000	85 U	59000	8800	3400000	0.080 UJ
MW22D	MW22D102018	10/12/18	70 U	82000	85 U	16000	560 J	1200000	0.080 U
	MW22D042018	4/27/18	21 J	71000	170 J	15000	750 J	1000000	0.08 U
	MW22D102017	10/23/17	70 U	89000	85 U	18000	600 J	1100000	0.080 U
	MW22D042017	4/19/17	70 U	81000	85 U	16000	2400 J	990000	0.080 U
MW22S	MW22S042018	4/2018	Well was dry and was not sampled						
	MW22S042018	4/2018	Well was dry and was not sampled						
	MW22S102017	10/2017	Well was dry and was not sampled						
	MW22S042017	4/1/17	Well was dry and was not sampled						
MW23	MW23102018	10/17/18	790 J	13000	550	6100	1400 J	480000	0.080 U
	MW23102018FD ^c	10/17/18	860	14000	610	6200	1500 J	490000	0.080 U
	MW23042018	4/24/18	70 U	15000	180	6500	1100 J	460000	0.08 U
	MW23042018FD ^c	4/24/18	70 U	15000	170	6600	1100 J	460000	0.08 U
	MW23102017	10/18/17	290 J	10000	210	5000	1400 J	460000	0.080 U
	MW23102017FD ^c	10/18/17	270 J	10000	190	5100	1500 J	470000	0.080 U
	MW23042017	4/18/17	720 J	11000	470	5000	2100 J	470000	0.080 U
	DMW23042017 ^c	4/18/17	700 J	11000	450	5200	2500 J	500000	0.080 U
MW24	MW24102018	10/17/18	46 J	32000	1800	11000	960 J	270000	0.080 U
	MW24102018FD ^c	10/17/18	50 J	32000	1900	11000	950 J	270000	0.080 U
	MW24042018	4/23/18	70 U	33000	120	10000	880 J	270000	0.08 U
	MW24042018FD ^c	4/23/18	70 U	34000	55 J	10000	910 J	260000	0.08 U
	MW24102017	10/17/17	70 U	29000	1600	10000	970 J	260000	0.080 U
	MW24102017FD 01 ^c	10/17/17	70 U	29000	1600	10000	880 J	250000	0.080 U
	MW24042017	4/17/17	70 U	33000	1800	11000	1300 J	270000	0.080 U
	DMW24042017 ^c	4/17/17	70 U	34000	1800	11000	1300 J	270000	0.080 U
SMW01	SMW01102018	10/12/18	70 U	25000	85 U	8700	390 J	1100000	0.080 U
	SMW01042018	4/26/18	70 U	29000	27 J	10000	500 J	950000	0.08 U
	SMW01102017	10/20/17	33 J	29000	29 J	9900	4500	880000	0.080 U

Table 5-11: Summary of Dissolved Metals Analytical Results - Method 6010C and 7470A (µg/L)

			Aluminum	Calcium	Iron	Magnesium	Potassium	Sodium	Mercury
			CAS	CAS	CAS	CAS	CAS	CAS	CAS
			7429-90-5	7440-70-2	7439-89-6	7439-95-4	7440-09-7	7440-23-5	7439-97-6
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^a						
			5000 ^b	NE	1000 ^b	NE	NE	NE	NE
	SMW01042017	4/21/17	27 J	29000	85 U	11000	850 J	970000	0.080 U
TMW01	TMW01102018	10/15/18	70 U	110000	85 U	19000	440 J	550000	0.080 U
	TMW01042018	5/4/18	70 U	29000	32 J	19000	530 J	590000	0.08 U
	TMW01102017	10/27/17	70 U	110000	85 U	20000	650 J	640000	0.080 U
	TMW01042017	4/25/17	70 U	110000	95 U	19000	1300 J	570000	0.080 U
TMW03	TMW03102018	10/12/18	70 U	48000	85 U	11000	540 J	1000000	0.080 U
	TMW03042018	4/30/18	21 J	51000	120 U	12000	570 J	930000	0.08 U
	TMW03102017	10/25/17	70 U	51000	85 U	12000	820 J	920000	0.080 U
	TMW03042017	4/24/17	70 U	46000	85 U	9900	2600 J	970000	0.080 UJ
TMW04	TMW04102018	10/16/18	70 U	27000	85 U	5100	1500 J	930000	0.080 U
	TMW04042018	5/2/18	70 U	31000	85 U	5700	1000 J	850000	0.08 U
	TMW04102017	10/25/17	70 U	32000	85 U	6000	1100 J	840000	0.080 U
	TMW04042017	4/24/17	70 U	28000	85 U	5100	2600 J	920000	0.080 UJ
TMW06	TMW06102018	10/12/18	70 U	34000	85 U	7400	450 J	910000	0.080 U
	TMW06042018	4/30/18	70 U	35000	85 U	7600	450 J	870000	0.08 U
	TMW06102017	10/17/17	70 U	31000	85 U	7000	480 J	870000	0.080 U
	TMW06042017	4/20/17	70 U	36000	85 U	7800	940 J	950000	0.080 UJ
TMW07	TMW07102018	10/10/18	70 U	61000	85 U	11000	2600 J	1100000	0.080 U
	TMW07042018	4/25/18	70 U	63000	85 U	11000	2900 J	1200000	0.08 U
	TMW07102017	10/19/17	70 U	56000	85 U	11000	4000	1400000	0.080 U
	TMW07042017	4/20/17	19 J	62000	85 U	11000	4800 J	1400000	0.080 UJ
TMW08	TMW08102018	10/11/18	350 U	330000	69 J	83000	5200	4900000	0.080 U
	TMW08042018	4/27/18	70 U	260000	110 U	70000	3100	3800000	0.08 U
	TMW08102017	10/20/17	70 U	240000	85 U	72000	27000	4100000	0.080 U
	TMW08042017	4/21/17	70 U	220000	85 U	73000	3600	4000000	0.080 U
TMW10	TMW10102018	10/10/18	70 U	57000	85 U	14000	1000 J	1300000	0.080 U
	TMW10042018	4/24/18	250 J	64000	180	17000	710 J	1500000	0.08 U
	TMW10102017	10/25/17	97 J	61000	65 J	17000	1100 J	1600000	0.080 U
	TMW10042017	4/21/17	70 U	67000	85 U	19000	820 J	1800000	0.080 U
TMW11	TMW11102018	10/11/18	570	16000	230	2300	1500 J	580000	0.080 U
	TMW11042018	5/2/18	32 J	21000	85 J	3300	940 J	560000	0.08 U
	TMW11102017	10/27/17	37 J	20000	30 J	3600	1200 J	630000	0.080 U
	TMW11042017	4/26/17	70 U	18000	85 U	3100	770 J	560000	0.080 U
TMW13	TMW13102018	10/15/18	70 U	28000	85 U	5100	580 J	560000	0.080 U
	TMW13042018	5/1/18	70 U	27000	22 J	5000	750 J	520000	0.08 U
	TMW13102017	10/26/17	70 U	26000	85 U	5100	650 J	600000	0.080 U
	TMW13042017	4/25/17	70 U	27000	85 U	4800	1600 J	560000	0.080 U
TMW15	TMW15102018	10/16/18	70 U	17000	85 U	3300	1100 J	590000	0.080 U
	TMW15102018FD ^c	10/16/18	70 U	17000	85 U	3100	1100 J	570000	0.080 U
	TMW15042018	5/3/18	25 J	19000	280	3400	620 J	570000	0.080 U
	TMW15042018FD ^c	5/3/18	70 U	19000	85 U	3400	660 J	570000	0.080 U
	TMW15102017	10/26/17	70 U	19000	23 J	3700	550 J	570000	0.080 U
	TMW15102017FD ^c	10/26/17	70 U	18000	3900 J	3600	650 J	610000	0.080 U
	TMW15042017	4/27/17	70 U	18000	30 U	3400	490 J	530000	0.080 U
	DTW15042017 ^c	4/27/17	70 U	19000	85 U	3500	400 J	530000	0.080 U
TMW21	TMW21102018	10/9/18	1300	36000	840	7700	1300 J	630000	0.080 U
	TMW21042018	5/1/18	84 J	33000	70 J	6800	930 J	580000	0.08 U
	TMW21102017	10/25/17	70 U	34000	85 U	7400	920 J	600000	0.080 U
	TMW21042017	4/26/17	21 J	32000	85 U	7000	800 J	630000	0.080 U
TMW22	TMW22102018	10/11/18	70 U	35000	85 U	11000	890 J	810000	0.080 U
	TMW22042018	4/25/18	710	36000	660	12000	920 J	790000	0.08 U
	TMW22102017	10/25/17	70 U	34000	85 U	11000	900 J	770000	0.080 U
	TMW22042017	4/19/17	820	38000	450	12000	2500 J	900000	0.080 U
TMW23	TMW23102018	10/11/18	510	17000	310	4500	760 J	640000	0.080 U
	TMW23042018	4/25/18	70 U	17000	85 U	4500	550 J	690000	0.08 U
	TMW23102017	10/19/17	70 U	16000	85 U	4700	840 J	800000	0.080 U
	TMW23042017	4/20/17	11000	22000	7300	7000	3000 J	740000	0.080 UJ
TMW24	TMW24102018	10/18/18	70 U	42000	85 U	11000	380 J	990000	0.080 U
	TMW24042018	4/30/18	70 U	40000	50 U	10000	540 J	980000	0.08 U
	TMW24102017	10/24/17	70 U	36000	43 J	9100	840 J	1000000	0.080 U
	TMW24042017	4/25/17	70 U	39000	85 U	9900	2800 J	1000000	0.080 U
TMW25	TMW25102018	10/16/18	310	48000	970	10000	1600 J	920000	0.080 U
	TMW25042018	4/30/18	70 U	52000	26 U	11000	450 J	850000	0.08 U
	TMW25102017	10/25/17	70 U	51000	24 J	11000	450 J	900000	0.080 U
	TMW25042017	4/27/17	70 U	51000	85 U	11000	430 J	890000	0.080 U

Table 5-11: Summary of Dissolved Metals Analytical Results - Method 6010C and 7470A (µg/L)

			Aluminum	Calcium	Iron	Magnesium	Potassium	Sodium	Mercury
			CAS	CAS	CAS	CAS	CAS	CAS	CAS
			7429-90-5	7440-70-2	7439-89-6	7439-95-4	7440-09-7	7440-23-5	7439-97-6
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^a						
			5000 ^b	NE	1000 ^b	NE	NE	NE	NE
TMW26	TMW26102018	10/10/18	75 J	19000	56 J	7400	680 J	810000	0.080 U
	TMW26102018FD ^c	10/10/18	57 J	18000	92 J	7200	710 J	800000	0.080 U
	TMW26042018	4/26/18	70 U	18000	85 U	7300	510 J	850000	0.08 U
	TMW26042018FD ^c	4/26/18	70 U	19000	37 J	7700	540 J	910000	0.08 U
	TMW26102017	10/17/17	500	17000	220	6700	680 J	810000	0.080 U
	TMW26102017FD ^c	10/17/17	510	17000	220	6900	810 J	850000	0.080 U
	TMW26042017	4/20/17	70 U	18000	85 U	7000	840 J	830000	0.080 UJ
	DTW26042017 ^c	4/20/17	70 U	18000	85 U	7100	850 J	820000	0.080 UJ
TMW27	TMW27102018	10/10/18	70 U	26000	600	6600	810 J	360000	0.080 U
	TMW27042018	4/27/18	70 U	26000	580	6800	550 J	360000	0.08 U
	TMW27102017	10/20/17	70 U	24000	560	6400	1500 J	310000	0.080 U
	TMW27042017	4/21/17	70 U	23000	490	6700	850 J	330000	0.080 U
TMW28	TMW28102018	10/9/18	70 U	100000	320	32000	1300 J	370000	0.080 U
	TMW28042018	4/26/18	70 U	120000	310	38000	1200 J	360000	0.08 U
	TMW28102017	10/20/17	70 U	110000	350	33000	2300 J	320000	0.080 U
	TMW28042017	4/24/17	35 J	250000	720	68000	2600 J	490000	0.080 UJ
TMW29	TMW29102018	10/9/18	230 J	38000	130	7200	1100 J	520000	0.080 U
	TMW29042018	4/23/18	1300	39000	740	7100	1100 J	590000	0.08 U
	TMW29102017	10/20/17	67 J	38000	36 J	7100	3100	540000	0.080 U
	TMW29042017	4/20/17	7900	46000	4900	9500	2900 J	570000	0.080 UJ
TMW31S	TMW31S102018	10/11/18	70 U	110000	85 U	21000	470 J	510000	0.080 U
	TMW31S042018	4/25/18	70 U	120000	85 U	21000	330 J	530000	0.08 U
	TMW31S102017	10/25/17	70 U	110000	85 U	21000	560 J	500000	0.080 U
	TMW31S042017	4/19/17	520	110000	280	20000	1700 J	530000	0.080 U
TMW33	TMW33102018	10/10/18	70 U	100000	68 J	31000	1500 J	1700000	0.080 U
	TMW33042018	4/25/18	1200	100000	800	30000	1400 J	2200000	0.08 U
	TMW33102017	10/20/17	70 U	110000	85 U	29000	15000	2200000	0.080 U
	TMW33042017	4/20/17	86 J	110000	85 U	31000	6300 J	2500000	0.080 UJ
TMW34	TMW34102018	10/15/18	29 J	130000	85 U	28000	1200 J	1200000	0.080 U
	TMW34102018FD ^c	10/15/18	24 J	130000	85 U	28000	1100 J	1200000	0.080 U
	TMW34042018	4/27/18	2500 J	110000	1500 J	24000	2200 J	1400000	0.08 U
	TMW34042018FD ^c	4/27/18	5000 J	110000	3300 J	24000	2700 J	1300000	0.08 U
	TMW34102017	10/25/17	240 J	120000	180 J	26000	1200 J	1300000	0.080 U
	TMW34102017FD ^c	10/25/17	430	130000	320 J	27000	1400 J	1400000	0.080 U
	TMW34042017	4/24/17	70 U	120000	85 U	24000	3200	1400000	0.080 UJ
	DTW34042017 ^c	4/24/17	70 U	120000	85 U	27000	3000	1400000	0.080 UJ
TMW35	TMW35102018	10/15/18	70 U	73000	85 U	14000	600 J	1000000	0.080 U
	TMW35042018	4/27/18	70 U	68000	220 U	13000	940 J	1100000	0.08 U
	TMW35102017	10/23/17	70 U	76000	85 U	15000	790 J	1200000	0.080 U
	TMW35042017	4/24/17	70 U	79000	85 U	16000	2600 J	1200000	0.080 UJ
TMW39S	TMW39S102018	10/11/18	70 U	80000	33 J	18000	1000 J	910000	0.080 U
	TMW39S042018	4/25/18	2800	81000	1600	18000	1100 J	820000	0.08 U
	TMW39S102017	10/18/17	57 J	70000	58 J	16000	960 J	860000	0.080 U
	TMW39S042017	4/19/17	70 U	81000	85 U	17000	3200 J	920000	0.080 U
TMW40S	TMW40S102018	10/9/18	13000	69000	6000	13000	1700 J	910000	0.080 U
	TMW40S042018	4/27/18	11000	68000	5500	13000	1600 J	960000	0.08 U
	TMW40S102017	10/26/17	1200	59000	740	11000	850 J	1000000	0.080 U
	TMW40S042017	4/24/17	73 J	64000	87 U	10000	2700 J	920000	0.080 U
TMW41	TMW41102018	10/11/18	70 U	15000	85 U	3700	900 J	860000	0.080 U
	TMW41042018	4/25/18	110 J	15000	68 U	3800	610 J	790000	0.08 U
	TMW41102017	10/25/17	70 U	16000	85 U	3900	990 J	830000	0.080 U
	TMW41042017	4/19/17	70 U	15000	85 U	3700	2500 J	850000	0.080 U
TMW43	TMW43102018	10/16/18	70 U	31000	85 U	5600	1200 J	580000	0.080 U
	TMW43102018FD ^c	10/16/18	70 U	32000	85 U	5800	1400 J	600000	0.080 U
	TMW43042018	5/2/18	70 U	35000	85 U	6400	950 J	550000	0.08 U
	TMW43042018FD ^c	5/2/18	70 U	36000	85 U	6500	930 J	540000	0.08 U
	TMW43102017	10/24/17	70 U	32000	85 U	5800	740 J	580000	0.080 U
	TMW43102017FD ^c	10/24/17	70 U	33000	85 U	5900	960 J	590000	0.080 U
	TMW43042017	4/27/17	70 U	34000	85 U	6300	790 J	580000	0.080 U
	DTW43042017 ^c	4/27/17	50 J	32000	85 U	6000	750 J	540000	0.080 U
TMW44	TMW44102018	10/11/18	260 J	36000	130	12000	710 J	790000	0.080 U
	TMW44042018	4/25/18	810	35000	500	12000	490 J	680000	0.08 U
	TMW44102017	10/25/17	42 J	35000	27 J	12000	710 J	740000	0.080 U
	TMW44042017	4/19/17	30 J	35000	85 U	11000	1500 J	710000	0.080 U

Table 5-11: Summary of Dissolved Metals Analytical Results - Method 6010C and 7470A (µg/L)

			Aluminum	Calcium	Iron	Magnesium	Potassium	Sodium	Mercury
			CAS	CAS	CAS	CAS	CAS	CAS	CAS
			7429-90-5	7440-70-2	7439-89-6	7439-95-4	7440-09-7	7440-23-5	7439-97-6
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^a						
			5000 ^b	NE	1000 ^b	NE	NE	NE	2 ^b
TMW45	TMW45102018	10/17/18	70 U	29000	85 U	7400	560 J	940000	0.080 U
	TMW45042018	5/2/18	70 U	30000	85 U	7500	1100 J	880000	0.08 U
	TMW45102017	10/27/17	70 U	26000	85 U	7300	980 J	920000	0.080 U
	TMW45042017	4/28/17	70 U	27000	85 U	6900	820 J	870000	0.080 U
TMW46	TMW46102018	10/10/18	89 J	85000	59 J	20000	750 J	1100000	0.080 U
	TMW46042018	4/25/18	70 U	83000	85 U	20000	410 J	1100000	0.08 U
	TMW46102017	10/25/17	320	80000	220	20000	870 J	1200000	0.080 U
	TMW46042017	4/20/17	29 J	82000	85 U	19000	1500 J	1300000	0.080 UJ
TMW47	TMW47102018	10/17/18	49 J	5800	42 J	650	950 J	540000	0.080 U
	TMW47042018	5/3/18	21 J	6300	85 U	680	1100 J	580000	0.08 U
	TMW47102017	10/26/17	70 U	5800	85 U	670	1300 J	560000	0.080 U
	TMW47042017	4/25/17	70 U	6300	85 U	680	2000 J	580000	0.080 U
Northern Bedrock Groundwater Zone									
BGMW07	BGMW07102018	10/12/18	350	610000	220	78000	10000	2000000	0.080 U
	BGMW07042018	4/26/18	100 J	440000	170	67000	11000	4600000	0.080 U
BGMW08	BGMW08102018	10/9/18	8400	230000	4900	30000	11000	2700000	0.080 U
	BGMW08072018	7/18/18	49 J	100000	85 U	13000	4400	2000000	0.080 U
	BGMW08042018	04/2018	Well was dry and was not sampled						
BGMW09	BGMW09102018	10/10/18	99 J	31000	50 J	3600	2500 J	1100000	0.080 U
	BGMW09102018FD ^c	10/10/18	49 J	32000	35 J	3800	2500 J	1200000	0.080 U
	BGMW091020182	10/16/18	11000 J	32000	6300 J	6100 J	4000	1300000	0.080 U
	BGMW09102018FD2 ^c	10/16/18	2000 J	29000	1000 J	3800 J	2900 J	1200000	0.080 U
	BGMW09042018	5/1/18	130000	86000	110000	39000	16000	1200000	0.080 U
BGMW10	BGMW10102018	10/11/18	70 U	7800	85 U	890	900 J	630000	0.080 U
	BGMW10042018	4/27/18	86 J	8200	88 J	970	1000 J	650000	0.080 U
TMW02	TMW02102018	10/16/18	51 J	22000	85 U	2700	2200 J	1100000	0.080 U
	TMW02042018	5/2/18	70 U	23000	85 U	2700	1900 J	980000	0.08 U
	TMW02102017	10/24/17	70 U	22000	85 U	2600	1700 J	1100000	0.080 U
	TMW02042017	4/24/17	70 U	22000	180	2800	3500	1100000	0.080 UJ
TMW14A	TMW14A102018	10/15/18	20 J	3300	85 U	390 J	770 J	430000	0.080 U
	TMW14A042018	5/3/18	18 J	3300	26 J	390 J	750 J	460000	0.08 U
	TMW14A102017	10/26/17	26 J	3000	31 J	380 J	640 J	430000	0.080 U
	TMW14A042017	4/27/17	70 U	2900	85 U	350 J	620 J	400000	0.080 U
TMW16	TMW16102018	10/19/18	88 J	4200	85 U	450 J	650 J	450000	0.080 U
	TMW16042018	4/25/18	2400	4600	1300	1100	1000 J	430000	0.08 U
	TMW16102017	10/20/17	29 J	3900	85 U	420 J	2000 J	410000	0.080 U
	TMW16042017	4/20/17	53 J	3900	85 U	410 J	550 J	440000	0.080 UJ
TMW17	TMW17102018	10/18/18	82 J	3600	85 U	540	760 J	440000	0.080 U
	TMW17042018	5/3/18	85 J	3700	32 J	520	1000 J	460000	0.08 U
	TMW17102017	10/26/17	58 J	3300	85 U	540	1100 J	440000	0.080 U
	TMW17042017	4/27/17	93 J	3300	85 U	500	870 J	420000	0.080 U
TMW18	TMW18102018	10/18/18	610	7300	240	1100	2700 J	620000	0.080 U
	TMW18042018	4/25/18	240 J	8300	24 J	630	3500	640000	0.08 U
	TMW18102017	10/19/17	130 J	6400	85 U	980	3100	690000	0.080 U
	TMW18042017	4/20/17	140 J	6900	85 U	880	3300 J	670000	0.080 UJ
TMW19	TMW19102018	10/18/18	1300	10000	590	1300	1000 J	670000	0.080 U
	TMW19042018	4/25/18	320	10000	890	1100	1000 J	660000	0.08 U
	TMW19102017	10/19/17	59 J	8800	85 U	1100	1200 J	700000	0.080 U
	TMW19042017	4/20/17	69 J	9400	85 U	1000	1200 J	680000	0.080 UJ
TMW30	TMW30102018	10/11/18	70 U	60000	85 U	12000	1000 J	460000	0.080 U
	TMW30042018	4/26/18	53 J	56000	57 U	12000	890 J	460000	0.08 U
	TMW30102017	10/25/17	70 U	56000	85 U	12000	870 J	410000	0.080 U
	TMW30042017	4/19/17	70 U	58000	85 U	12000	1700 J	460000	0.080 U
TMW31D	TMW31D102018	10/16/18	70 U	63000	85 U	11000	2100 J	600000	0.080 U
	TMW31D102018FD ^c	10/16/18	70 U	64000	85 U	11000	1700 J	600000	0.080 U
	TMW31D042018	5/2/18	70 U	71000	85 U	12000	1600 J	540000	0.08 U
	TMW31D042018FD ^c	5/2/18	70 U	71000	85 U	12000	1600 J	540000	0.08 U
	TMW31D102017	10/26/17	70 U	62000	85 U	12000	1700 J	560000	0.080 U
	TMW31D102017FD ^c	10/26/17	70 U	63000	69 J	12000	1700 J	610000	0.080 U
	TMW31D042017	4/27/17	70 U	62000	85 U	11000	1400 J	530000	0.080 U
	DTW31D042017 ^c	4/27/17	35 J	64000	85 U	11000	1500 J	520000	0.080 U
TMW32	TMW32102018	10/12/18	70 U	10000	85 U	1100	1000 J	720000	0.080 U
	TMW32042018	5/1/18	70 U	11000	85 U	1200	1300 J	670000	0.08 U
	TMW32102017	10/20/17	70 U	11000	34 J	1200	3500	640000	0.080 U
	TMW32042017	4/27/17	70 U	9700	85 U	1000	1100 J	670000	0.080 U

Table 5-11: Summary of Dissolved Metals Analytical Results - Method 6010C and 7470A (µg/L)

			Aluminum	Calcium	Iron	Magnesium	Potassium	Sodium	Mercury
			CAS	CAS	CAS	CAS	CAS	CAS	CAS
			7429-90-5	7440-70-2	7439-89-6	7439-95-4	7440-09-7	7440-23-5	7439-97-6
Well Name	Sample Identifier	Sample Date	Screening Value (µg/L) ^a						
			5000 ^b	NE	1000 ^b	NE	NE	NE	2 ^b
TMW36	TMW36102018	10/18/18	70 U	8800	85 U	940	820 J	640000	0.080 U
	TMW36042018	4/25/18	70 U	8700	85 U	940	810 J	620000	0.08 U
	TMW36102017	10/19/17	70 U	8100	85 U	980	1200 J	700000	0.080 U
	TMW36042017	4/20/17	70 U	8700	85 U	930	1200 J	670000	0.080 UJ
TMW37	TMW37102018	10/18/18	70 U	6100	85 U	670	650 J	540000	0.080 U
	TMW37042018	4/25/18	130 J	5600	91 U	640	620 J	500000	0.08 U
	TMW37102017	10/20/17	19 J	5400	85 U	600	2600 J	470000	0.080 U
	TMW37042017	4/20/17	19 J	5700	85 U	620	870 J	520000	0.080 UJ
TMW38	TMW38102018	10/19/18	65 J	7300	85 U	840	750 J	590000	0.080 U
	TMW38042018	5/1/18	70 U	18000	34 J	2000	1600 J	850000	0.08 U
	TMW38102017	10/26/17	70 U	14000	76 J	1700	1300 J	820000	0.080 U
	TMW38042017	4/26/17	70 U	16000	49 J	1800	1300 J	840000	0.080 U
TMW39D	TMW39D102018	10/16/18	100 J	16000	85 U	1700	1700 J	800000	0.080 U
	TMW39D042018	5/1/18	70 U	19000	85 U	2000	1400 J	760000	0.08 U
	TMW39D102017	10/27/17	28 J	19000	22 J	2100	1500 J	720000	0.080 U
	TMW39D042017	4/27/17	21 J	20000	85 U	2100	1400 J	690000	0.080 U
TMW40D	TMW40D102018	10/12/18	70 U	15000	85 U	1900	1100 J	780000	0.080 U
	TMW40D042018	5/1/18	70 U	15000	85 U	1900	1400 J	680000	0.08 U
	TMW40D102017	10/23/17	70 U	15000	41 J	2000	1500 J	680000	0.080 U
	TMW40D042017	4/25/17	70 U	14000	85 U	1900	2400 J	730000	0.080 U
TMW48	TMW48102018	10/16/18	70 U	67000	85 U	12000	2000 J	630000	0.080 U
	TMW48042018	5/2/18	70 U	82000	85 U	15000	1600 J	560000	0.08 U
	TMW48102017	10/27/17	70 U	65000	85 U	13000	1700 J	610000	0.080 U
	TMW48042017	4/26/17	70 U	77000	85 U	16000	1200 J	560000	0.080 U
TMW49	TMW49102018	10/17/18	70 U	66000	85 U	12000	1700 J	720000	0.080 U
	TMW49042018	5/4/18	70 U	82000	89 J	14000	1600 J	620000	0.08 U
	TMW49102017	10/27/17	26 J	60000	85 U	11000	2000 J	700000	0.080 U
	TMW49042017	4/26/17	70 U	74000	85 U	13000	1300 J	570000	0.080 U

Notes:

^a Mercury is analyzed using EPA Method 7470A, and the remaining metals are analyzed using EPA Method 6010C/6020A.

^b New Mexico Water Quality Control Commission - NMAC 20.6.2.3103.

^c Indicates a field duplicate sample.

Bold indicates analyte was positively detected above screening values.

Acronyms and Abbreviations:

µg/L = microgram per liter

CAS = Chemical Abstracts Service (registry number)

EPA = U.S. Environmental Protection Agency

J = (Estimated) The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to nonconformances discovered during data validation.

NE = not established

NMAC = New Mexico Administrative Code

U = (Non-detected) The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ = (Non-detected estimated) The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to nonconformances discovered during data validation.

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Table 5-12: Summary of Total Metals Analytical Results - Method 6010C and 7470A (µg/L)

			Aluminum	Calcium	Iron	Magnesium	Potassium	Sodium	Mercury
			CAS 7429-90-5	CAS 7440-70-2	CAS 7439-89-6	CAS 7439-95-4	CAS 7440-09-7	CAS 7440-23-5	CAS 7439-97-6
Well Name	Sample Identifier	Sample Date	Screening Value (ug/L) ^a						
			5000 ^b	NE	1000 ^b	NE	NE	NE	2 ^b
Northern Alluvial Groundwater Zone									
BGMW01	BGMW01102018	10/9/18	180 J	48000	140	29000	2100 J	830000	0.080 U
	BGMW01042018	4/27/18	4200	46000	2500	25000	2000 J	860000	0.08 U
	BGMW01102017	10/23/17	19 J	35000	31 J	23000	500 J	720000	0.080 U
	BGMW01042017	4/24/17	41 J	43000	55 J	26000	650 J	810000	0.080 U
BGMW02	BGMW02102018	10/11/18	70 U	73000	50 J	100000	1500 J	970000 J	0.080 U
	BGMW02042018	4/26/18	98 J	75000 J	68 J	110000	730 J	990000	0.080 U
	BGMW02102017	10/20/17	310	76000	150 U	100000	3500	920000 J	0.080 U
	BGMW02042017	4/21/17	190 J	73000	120	120000	940 U	940000	0.080 U
BGMW03	BGMW03102018	10/10/18	1100	110000	850	23000	3000	700000	0.048 U
	BGMW03042018	4/24/18	530	84000	360	18000	1800 J	710000	0.080 U
	BGMW03102017	10/19/17	3000	60000	1500	14000	2100 J	750000	0.080 U
	BGMW03042017	4/20/17	3200 J	110000 J	2200 J	26000	3000	670000	0.080 UJ
FW31	FW31102018	10/9/18	15000	14000	5800	5700	5200	540000	0.080 U
	FW31042018	4/23/18	900	6400	480	2400	1600 J	500000	0.080 U
	FW31102017	10/18/17	1600	7200	600	2600	2100 J	530000	0.080 U
	FW31042017	4/17/17	7000 J	11000	2800 J	4400	4200 J	590000	0.080 U
FW35	Well has been dry since 2015								
MW01	MW01102018	10/9/18	9700	38000	6000	9800	3500	940000	0.080 U
	MW01042018	4/23/18	8900	40000	5300	9600	2100 J	940000	0.080 U
	MW01102017	10/24/17	26000	49000	16000	14000	4700	950000	0.080 U
	MW01042017	4/19/17	140000	170000	99000	49000	22000 J	960000	0.17 J
MW02	MW02102018	10/9/18	22000	150000	14000	34000	5000	500000	0.038 J
	MW02042018	4/23/18	14000	130000	8900	29000	3200	400000	0.080 U
	MW02102017	10/24/17	19000	140000	10000	32000	3800	460000	0.080 U
	MW02042017	4/19/17	5300	130000	3400	29000	1600 J	420000	0.080 U
MW03	MW03102018	10/15/18	67 J	51000	210	10000	450 J	970000	0.080 U
	MW03042018	4/27/18	49 J	47000	240	9400	840 J	1100000	0.08 U
	MW03102017	10/23/17	70 U	50000	91 J	10000	660 J	1200000	0.080 U
	MW03042017	4/21/17	70 U	49000	51 J	11000	940 U	1000000	0.080 U
MW18D	MW18D102018	10/10/18	900	64000	560	17000	3600	1900000	0.048 U
	MW18D042018	4/25/18	2600	60000	1100	15000	1400 J	2000000	0.080 U
	MW18D102017	10/19/17	80 J	63000	53 J	17000	1300 J	2000000	0.027 J
	MW18D042017	4/20/17	7400 J	68000 J	4600 J	21000	2800 J	2100000	0.080 UJ
MW18S	Well has been dry since 2011								
MW20	MW20102018	10/15/18	70 U	300000	23 J	60000	1600 J	3200000	0.080 U
	MW20042018	4/30/18	70 U	300000	96 J	61000	3900	3300000	0.080 U
	MW20102017	10/23/17	70 U	270000	37 J	58000	2900 J	3100000	0.080 U
	MW20042017	4/24/17	70 U	300000	31 J	63000	3600	3400000	0.080 U
MW22D	MW22D102018	10/12/18	70 U	84000 J	85 U	17000	1500 J	990000	0.080 U
	MW22D042018	4/27/18	70 U	74000	170 UJ	14000	710 J	1000000	0.08 U
	MW22D102017	10/23/17	20 J	73000 J	44 J	15000	1000 J	910000	0.080 U
	MW22D042017	4/19/17	70 U	85000	85 U	17000	1900 J	1000000	0.080 U
MW22S	MS22S042018	10/2018			Well was dry and not sampled				
	MS22S042018	4/2018			Well was dry and not sampled				
	MW22S102017	10/2017			Well was dry and not sampled				
	MW22S042017	04/2017			Well was dry and not sampled				
MW23	MW23102018	10/17/18	1900 J	14000	1400 J	6400	1700 J	470000	0.080 U
	MW23102018FD ^c	10/17/18	1900	14000	2300 J	6300	1700 J	470000	0.080 U
	MW23042018	4/24/18	83 J	14000	270	5900	1300 J	470000	0.080 U
	MW23042018FD ^c	4/24/18	64 J	13000	250	5600	1100 J	490000	0.080 U
	MW23102017	10/18/17	1700 J	10000	930 J	4900	1700 J	500000	0.080 U
	MW23102017FD ^c	10/18/17	1300	10000	680 J	4600	1800 J	500000	0.080 U
	MW23042017	4/18/17	970 J	10000	600 J	4700	2000 J	470000	0.080 U
	DMW23042017 ^c	4/18/17	1300 J	11000	760 J	4900	2600 J	500000	0.080 U
MW24	MW24102018	10/17/18	210 J	32000	2000	11000	940 J	270000	0.040 J
	MW24102018FD ^c	10/17/18	220 J	32000	2000	11000	920 J	270000	0.080 U
	MW24042018	4/23/18	190 J	33000	2000	11000	900 J	260000	0.080 U
	MW24042018FD ^c	4/23/18	210 J	34000	2000	11000	930 J	270000	0.080 U
	MW24102017	10/17/17	230 J	30000	1900	11000	1100 J	260000	0.080 U
	MW24102017FD 01 ^c	10/17/17	290 J	31000	1900	11000	970 J	260000	0.080 U
	MW24042017	4/17/17	150 J	33000	1900 J	11000	1300 J	260000	0.080 U
	DMW24042017 ^c	4/17/17	70 U	32000	1800 J	10000	1200 J	260000	0.080 U
SMW01	SMW01102018	10/12/18	19 J	26000	54 J	9400	1100 J	1100000	0.080 U
	SMW01042018	4/26/18	35 J	25000	75 J	9400	330 J	960000	0.037 J
	SMW01102017	10/20/17	100 J	28000	150 U	9600	3700	840000	0.038 J
	SMW01042017	4/21/17	36 J	27000	64 J	11000	940 U	910000	0.080 U

Table 5-12: Summary of Total Metals Analytical Results - Method 6010C and 7470A (µg/L)

			Aluminum	Calcium	Iron	Magnesium	Potassium	Sodium	Mercury
			CAS	CAS	CAS	CAS	CAS	CAS	CAS
			7429-90-5	7440-70-2	7439-89-6	7439-95-4	7440-09-7	7440-23-5	7439-97-6
Well Name	Sample Identifier	Sample Date	Screening Value (ug/L) ^a						
			5000 ^b	NE	1000 ^b	NE	NE	NE	2 ^b
TMW01	TMW01102018	10/15/18	64 J	110000	40 J	19000	460 J	570000	0.080 U
	TMW01042018	5/4/18	70 U	110000	85 U	19000	390 J	580000	0.080 U
	TMW01102017	10/27/17	70 U	100000	85 U	20000	940 U	570000	0.080 U
	TMW01042017	4/25/17	70 U	100000	85 U	19000	2800 J	520000	0.080 U
TMW03	TMW03102018	10/12/18	70 U	52000	62 J	12000	1200 J	1000000	0.080 U
	TMW03042018	4/30/18	70 U	53000	85 U	11000	890 U	910000	0.080 U
	TMW03102017	10/25/17	22 J	47000	44 J	11000	450 J	1000000	0.080 U
	TMW03042017	4/24/17	46 J	50000	44 J	11000	1700 J	950000	0.080 U
TMW04	TMW04102018	10/16/18	70 U	31000	27 J	5400	860 J	860000	0.080 U
	TMW04042018	5/2/18	70 U	32000	85 U	5800	830 J	850000	0.080 U
	TMW04102017	10/25/17	70 U	32000	36 J	5900	710 J	950000	0.080 U
	TMW04042017	4/24/17	70 U	29000	89 J	5300	1700 J	870000	0.080 U
TMW06	TMW06102018	10/12/18	70 U	35000	85 U	7800	910 J	1000000	0.080 U
	TMW06042018	4/30/18	18 J	35000	85 U	7500	760 U	860000	0.080 U
	TMW06102017	10/17/17	70 U	33000	85 U	7400	440 J	940000	0.080 U
	TMW06042017	4/20/17	70 U	30000 J	27 UJ	7800	730 J	2200000	0.080 UJ
TMW07	TMW07102018	10/10/18	560	63000	370	11000	4300	1300000	0.048 U
	TMW07042018	4/25/18	650	59000	800	9600	3300	1300000	0.080 U
	TMW07102017	10/19/17	580	57000	460	10000	4300	1300000	0.080 U
	TMW07042017	4/20/17	490 J	56000 J	390 J	11000	3200	1300000	0.080 UJ
TMW08	TMW08102018	10/11/18	70 U	310000	240	80000	7200	4300000	0.080 U
	TMW08042018	4/27/18	70 U	290000	710	74000	4100	4900000	0.08 U
	TMW08102017	10/20/17	70 U	250000	510	77000	24000	4000000	0.080 U
	TMW08042017	4/21/17	70 U	210000	350	72000	4000	4100000	0.080 U
TMW10	TMW10102018	10/10/18	70 U	56000	36 J	13000	2800 J	1600000	0.048 U
	TMW10042018	4/24/18	5300	58000	2900	15000	1900 J	1600000	0.080 U
	TMW10102017	10/25/17	2300	64000	1500	17000	1500 J	1900000	0.080 U
	TMW10042017	4/21/17	6600	69000	4200	20000	2600 J	1800000	0.080 U
TMW11	TMW11102018	10/11/18	140000	60000	84000	38000	17000	600000	0.39
	TMW11042018	5/2/18	790	20000	400	3400	830 J	560000	0.080 U
	TMW11102017	10/27/17	560	19000	330	3500	1200 U	610000	0.080 U
	TMW11042017	4/26/17	1100	19000	510	3500	4000	610000	0.080 U
TMW13	TMW13102018	10/15/18	70 U	27000	85 U	5100	500 J	570000	0.062 J
	TMW13042018	5/1/18	70 U	27000	85 U	4900	710 U	520000	0.080 U
	TMW13102017	10/26/17	70 U	24000	85 U	5000	940 U	560000	0.080 U
	TMW13042017	4/25/17	26 J	27000	85 U	5300	3300	580000	0.080 U
TMW15	TMW15102018	10/16/18	70 U	19000	85 U	3500	580 J	520000	0.080 U
	TMW15102018FD ^c	10/16/18	70 U	19000	85 U	3400	580 J	550000	0.080 U
	TMW15042018	5/3/18	70 U	19000	85 U	3400	560 J	560000	0.080 U
	TMW15042018FD ^c	5/3/18	70 U	18000	71 J	3300	530 J	550000	0.080 U
	TMW15102017	10/26/17	70 U	18000	85 U	3600	940 U	550000	0.080 U
	TMW15102017FD ^c	10/26/17	70 U	18000	85 U	3600	940 U	560000	0.080 U
	TMW15042017	4/27/17	70 U	20000	85 U	3600	510 J	550000	0.080 U
	DTW15042017 ^c	4/27/17	70 U	20000	85 U	3700	480 J	570000	0.080 U
TMW21	TMW21102018	10/9/18	10000	46000	7200	9700	3400	710000	0.080 U
	TMW21042018	5/1/18	16000	53000	11000	12000	4100	610000	0.080 U
	TMW21102017	10/25/17	15000	45000	11000	11000	3700	610000	0.080 U
	TMW21042017	4/26/17	20000	49000	15000	13000	6700	660000	0.080 U
TMW22	TMW22102018	10/11/18	2100	36000	1200	12000	1800 J	900000	0.080 U
	TMW22042018	4/25/18	1100	35000	560	10000	1200 J	820000	0.080 U
	TMW22102017	10/25/17	240 J	33000	130	11000	730 J	830000	0.080 U
	TMW22042017	4/19/17	37000	62000	20000	21000	6700 J	870000	0.032 J
TMW23	TMW23102018	10/11/18	3600	19000	2300	5300	1900 J	750000	0.080 U
	TMW23042018	4/25/18	12000	29000	6700	7000	2700 J	770000	0.080 U
	TMW23102017	10/19/17	7700	22000	4500	6200	2500 J	790000	0.080 U
	TMW23042017	4/20/17	6600 J	21000 J	4400 J	6600	2100 J	770000	0.080 UJ
TMW24	TMW24102018	10/18/18	140 J	42000	86 U	10000	1000 J	1100000	0.080 U
	TMW24042018	4/30/18	55 J	41000	87 J	9900	950 U	970000	0.080 U
	TMW24102017	10/24/17	70 U	37000	65 J	8900	600 J	1000000	0.080 U
	TMW24042017	4/25/17	70 U	39000	190	10000	5400	1100000	0.080 U
TMW25	TMW25102018	10/16/18	3700	59000	20000	12000	1400 J	860000	0.07 J
	TMW25042018	4/30/18	42 J	54000	110	11000	750 U	830000	0.080 U
	TMW25102017	10/25/17	78 J	51000	320	11000	330 J	940000	0.080 U
	TMW25042017	4/27/17	44 J	54000	46 J	11000	470 J	910000	0.080 U

Table 5-12: Summary of Total Metals Analytical Results - Method 6010C and 7470A (µg/L)

			Aluminum	Calcium	Iron	Magnesium	Potassium	Sodium	Mercury
			CAS	CAS	CAS	CAS	CAS	CAS	CAS
			7429-90-5	7440-70-2	7439-89-6	7439-95-4	7440-09-7	7440-23-5	7439-97-6
Well Name	Sample Identifier	Sample Date	Screening Value (ug/L) ^a						
			5000 ^b	NE	1000 ^b	NE	NE	NE	2 ^b
TMW26	TMW26102018	10/10/18	210 J	18000	110	7100	1500 J	830000	0.038 J
	TMW26102018FD ^c	10/10/18	250 J	18000	130	7000	1400 J	830000	0.048 U
	TMW26042018	4/26/18	250 J	17000	160	7200	400 J	840000	0.080 U
	TMW26042018FD ^c	4/26/18	270 J	17000	150	7300	470 J	860000	0.080 U
	TMW26102017	10/17/17	570	18000	280	7100	780 J	890000	0.080 U
	TMW26102017FD ^c	10/17/17	610	18000	300	7100	800 J	880000	0.080 U
	TMW26042017	4/20/17	380 J	17000 J	200 J	7400	770 J	2100000	0.080 UJ
	DTW26042017 ^c	4/20/17	470 J	17000 J	270 J	7700	880 J	2100000	0.080 UJ
TMW27	TMW27102018	10/10/18	70 U	26000	630	6500	820 J	350000	0.048 U
	TMW27042018	4/26/18	31 J	24000	630	6600	490 J	360000	0.080 U
	TMW27102017	10/20/17	70 U	24000	640	6000	850 J	310000	0.080 U
	TMW27042017	4/21/17	70 U	22000	560	6600	850 U	330000	0.080 U
TMW28	TMW28102018	10/9/18	70 U	98000	310	31000	1400 J	330000	0.080 U
	TMW28042018	4/26/18	51 J	100000	340	34000	1000 J	340000	0.080 U
	TMW28102017	10/20/17	70 U	100000	420	31000	1700 J	320000	0.080 U
	TMW28042017	4/24/17	70 U	230000	740	68000	2200 J	460000	0.080 U
TMW29	TMW29102018	10/9/18	13000	48000	7600	10000	3600	620000	0.080 U
	TMW29042018	4/23/18	17000	56000	10000	12000	3800	590000	0.080 U
	TMW29102017	10/20/17	25000	77000	17000	15000	6300	490000	0.080 U
	TMW29042017	4/20/17	8900 J	42000 J	5600 J	10000	3000	570000	0.080 UJ
TMW31S	TMW31S102018	10/11/18	500	110000	310	21000	910 J	560000	0.080 U
	TMW31S042018	4/25/18	260 J	110000	160 U	18000	600 J	560000	0.080 U
	TMW31S102017	10/25/17	150 J	110000	80 J	20000	390 J	530000	0.080 U
	TMW31S042017	4/19/17	10000	120000	4800	23000	2000 J	570000	0.080 U
TMW33	TMW33102018	10/10/18	2400	100000	1800	29000	4400	2400000	0.048 U
	TMW33042018	4/25/18	6100	99000	3300	26000	2700 J	2500000	0.080 U
	TMW33102017	10/20/17	2200	110000	2000	31000	13000	2300000	0.080 U
	TMW33042017	4/20/17	3200 J	98000 J	2200 J	32000	2600 J	2400000	0.080 UJ
TMW34	TMW34102018	10/15/18	990	130000	610	27000	1000 J	1400000	0.080 U
	TMW34102018FD ^c	10/15/18	800	130000	510	27000	990 J	1400000	0.080 U
	TMW34042018	4/27/18	41000	200000	31000	33000	8000	1400000	0.072 J
	TMW34042018FD ^c	4/27/18	41000	200000	28000	33000	7900	1200000	0.093 J
	TMW34102017	10/25/17	48000	210000	39000	40000	9300	1400000	0.050 J
	TMW34102017FD ^c	10/25/17	47000	230000	38000	40000	8000	1400000	0.087 J
	TMW34042017	4/24/17	54 J	120000	75 J	26000	1700 J	1400000	0.080 U
	DTW34042017 ^c	4/24/17	46 J	130000	37 J	26000	2000 J	1400000	0.080 U
TMW35	TMW35102018	10/15/18	70 U	72000	85 U	14000	470 J	1100000	0.080 U
	TMW35042018	4/27/18	70 U	73000	85 U	13000	320 J	1000000	0.08 U
	TMW35102017	10/23/17	70 U	74000	85 U	15000	980 J	1200000	0.080 U
	TMW35042017	4/24/17	70 U	81000	85 U	15000	1600 J	1200000	0.080 U
TMW39S	TMW39S102018	10/11/18	2500	80000	1400	18000	1900 J	920000	0.080 U
	TMW39S042018	4/25/18	37000	100000	20000	24000	4800	860000	0.080 U
	TMW39S102017	10/18/17	1300	76000	670	17000	1200 J	930000	0.080 U
	TMW39S042017	4/19/17	1800	82000	1000	18000	2100 J	1000000	0.080 U
TMW40S	TMW40S102018	10/9/18	95000	120000	46000	35000	6700	1000000	0.11 J
	TMW40S042018	4/27/18	29000	74000	14000	18000	2500 J	890000	0.080 U
	TMW40S102017	10/26/17	39000	80000	21000	20000	4200	970000	0.027 J
	TMW40S042017	4/24/17	3100	64000	1600	11000	5300	1000000	0.080 U
TMW41	TMW41102018	10/11/18	550	16000	300	3800	1400 J	900000	0.080 U
	TMW41042018	4/25/18	1200	15000	540	3500	1200 J	870000	0.080 U
	TMW41102017	10/25/17	370	14000	220	3600	660 J	780000	0.080 U
	TMW41042017	4/19/17	850	17000	420	4200	1800 J	910000	0.080 U
TMW43	TMW43102018	10/16/18	70 U	35000	85 U	6200	870 J	580000	0.080 U
	TMW43102018FD ^c	10/16/18	70 U	34000	85 U	6000	900 J	550000	0.080 U
	TMW43042018	5/2/18	20 J	35000	85 U	6300	890 J	530000	0.080 U
	TMW43042018FD ^c	5/2/18	70 U	36000	26 J	6600	810 J	570000	0.080 U
	TMW43102017	10/24/17	70 U	33000	27 J	5700	990 J	570000	0.080 U
	TMW43102017FD ^c	10/24/17	70 U	32000	85 U	5700	1000 J	570000	0.080 U
	TMW43042017	4/27/17	70 U	35000	85 U	6200	730 J	570000	0.080 U
	DTW43042017 ^c	4/27/17	70 U	35000	85 U	6200	850 J	570000	0.080 U
TMW44	TMW44102018	10/11/18	8600	43000	5900	14000	2700 J	790000	0.080 U
	TMW44042018	4/25/18	5400	36000	3200	11000	1600 J	770000	0.080 U
	TMW44102017	10/25/17	10000	40000	7500	13000	2500 J	700000	0.080 U
	TMW44042017	4/19/17	4400	39000	3100	13000	2100 J	790000	0.080 U
TMW45	TMW45102018	10/17/18	23 J	28000	85 U	7100	570 J	890000	0.080 U
	TMW45042018	5/2/18	84 J	29000	53 J	7600	650 J	900000	0.080 U
	TMW45102017	10/27/17	57 J	26000	85 U	7300	1200 U	910000	0.080 U
	TMW45042017	4/28/17	170 J	29000	110	7500	670 J	930000	0.052 J

Table 5-12: Summary of Total Metals Analytical Results - Method 6010C and 7470A (µg/L)

			Aluminum	Calcium	Iron	Magnesium	Potassium	Sodium	Mercury
			CAS 7429-90-5	CAS 7440-70-2	CAS 7439-89-6	CAS 7439-95-4	CAS 7440-09-7	CAS 7440-23-5	CAS 7439-97-6
Well Name	Sample Identifier	Sample Date	Screening Value (ug/L) ^a						
			5000 ^b	NE	1000 ^b	NE	NE	NE	2 ^b
TMW46	TMW46102018	10/10/18	3600	87000	2300	20000	2500 J	1200000	0.048 U
	TMW46042018	4/25/18	7600	87000	4000	18000	2100 J	1300000	0.080 U
	TMW46102017	10/25/17	15000	100000	9900	22000	3100	1100000	0.032 J
	TMW46042017	4/20/17	910 J	71000 J	570 J	19000	1000 J	1200000	0.080 UJ
TMW47	TMW47102018	10/17/18	20 J	5700	85 U	630	900 J	530000	0.080 U
	TMW47042018	5/3/18	70 U	6200	25 J	660	1000 J	560000	0.080 U
	TMW47102017	10/26/17	70 U	5800	85 U	670	1200 U	560000	0.080 U
	TMW47042017	4/25/17	20 J	6100	85 U	680	3300	540000	0.080 U
Northern Bedrock Groundwater Zone									
BGMW07	BGMW07102018	10/12/18	19000	660000	11000	87000	21000	5900000	0.080 U
	BGMW07042018	4/26/18	1000	430000	780	66000	11000	4600000	0.080 U
BGMW08	BGMW08102018	10/9/18	78000	350000	40000	50000	22000	3200000	0.080 U
	BGMW08072018	7/18/18	260000	300000	110000	72000 J	27000 J	2600000	0.080 U
	BGMW08042018	4/2018	Well was dry and not sampled						
BGMW09	BGMW09102018	10/10/18	100000	71000 J	73000	33000	14000	1200000	0.080 U
	BGMW09102018FD ^c	10/10/18	120000	150000 J	80000	38000	15000	1200000	0.37 U
	BGMW091020182	10/16/18	69000 J	64000 J	36000 J	23000 J	9300 J	1100000	0.026 J
	BGMW09102018FD2 ^c	10/16/18	25000 J	41000 J	13000 J	10000 J	4900 J	1200000	0.048 U
	BGMW09042018	5/1/18	230000	170000	170000	69000	24000	1100000	0.080 U
BGMW10	BGMW10102018	10/11/18	70 U	7700	25 J	870	1100 U	640000	0.048 U
	BGMW10042018	4/27/18	560	7800	430	1100	840 J	640000	0.080 U
TMW02	TMW02102018	10/16/18	93 J	24000	72 J	2800	1700 J	1100000	0.080 U
	TMW02042018	5/1/18	70 U	24000	58 J	2800	1900 J	1000000	0.080 U
	TMW02102017	10/24/17	70 U	23000	85 U	2600	1800 J	1100000	0.080 U
	TMW02042017	4/24/17	19 J	22000	22 J	2700	2400 J	1100000	0.080 U
TMW14A	TMW14A102018	10/15/18	38 J	3300	35 J	400 J	640 J	450000	0.080 U
	TMW14A042018	5/3/18	52 J	3400	39 J	410 J	740 J	460000	0.080 U
	TMW14A102017	10/26/17	860	3800	400	740	940 U	420000	0.080 U
	TMW14A042017	4/27/17	43 J	3400	34 J	400 J	710 J	450000	0.080 U
TMW16	TMW16102018	10/19/18	2000	4400	900	860	1000 J	450000	0.080 U
	TMW16042018	4/25/18	5900	5300	2800	1900	1700 J	460000	0.080 U
	TMW16102017	10/20/17	1000	4300	1400	850	2100 J	420000	0.080 U
	TMW16042017	4/20/17	7000 J	5600 J	3800 J	2500	2100 J	430000	0.080 UJ
TMW17	TMW17102018	10/18/18	150 J	4100	48 J	580	850 J	460000	0.080 U
	TMW17042018	5/3/18	130 J	3700	74 J	500	850 J	440000	0.080 U
	TMW17102017	10/26/17	190 J	3400	85 U	520	940 U	430000	0.080 U
	TMW17042017	4/27/17	180 J	3600	51 J	530	890 J	440000	0.080 U
TMW18	TMW18102018	10/18/18	200 J	7400	60 J	1000	2800 J	660000	0.080 U
	TMW18042018	4/25/18	490	6800	220 U	940	2900 J	690000	0.080 U
	TMW18102017	10/19/17	370	6900	150	1000	3200	690000	0.080 U
	TMW18042017	4/20/17	780 J	6600 J	370 J	1200	3200	640000	0.080 UJ
TMW19	TMW19102018	10/18/18	1300	10000	540	1300	1000 J	660000	0.080 U
	TMW19042018	4/25/18	750	10000	320	1100	1300 J	700000	0.080 U
	TMW19102017	10/19/17	760	9600	380	1200	1300 J	720000	0.080 U
	TMW19042017	4/20/17	750 J	9000 J	350 J	1300	1200 J	670000	0.080 UJ
TMW30	TMW30102018	10/11/18	690	58000	520	12000	1400 J	480000	0.080 U
	TMW30042018	4/26/18	1300	52000	1200	12000	980 J	450000	0.080 U
	TMW30102017	10/25/17	1200	51000	920	11000	930 J	420000	0.080 U
	TMW30042017	4/19/17	590	52000	590	11000	1100 J	480000	0.080 U
TMW31D	TMW31D102018	10/16/18	70 U	70000	85 U	12000	1600 J	550000	0.080 U
	TMW31D102018FD ^c	10/16/18	70 U	67000	85 U	11000	1600 J	530000	0.080 U
	TMW31D042018	5/2/18	70 U	70000	45 J	12000	1500 J	540000	0.080 U
	TMW31D042018FD ^c	5/2/18	70 U	71000	85 U	12000	1600 J	560000	0.080 U
	TMW31D102017	10/26/17	70 U	61000	85 U	11000	1500 U	570000	0.080 U
	TMW31D102017FD ^c	10/26/17	70 U	61000	85 U	12000	1700 J	560000	0.080 U
	TMW31D042017	4/27/17	70 U	68000	85 U	11000	1500 J	560000	0.080 U
	DTW31D042017 ^c	4/27/17	46 J	66000	30 J	11000	1400 J	540000	0.080 U
TMW32	TMW32102018	10/12/18	70 U	11000	85 U	1200	1400 J	760000	0.080 U
	TMW32042018	5/1/18	70 U	11000	85 U	1200	1300 U	680000	0.080 U
	TMW32102017	10/20/17	19 J	11000	85 U	1200	2900 J	670000	0.080 U
	TMW32042017	4/27/17	70 U	11000	85 U	1100	1000 J	740000	0.080 U
TMW36	TMW36102018	10/18/18	260 J	9200	140	1000	930 J	670000	0.080 U
	TMW36042018	4/25/18	350	8100	200 U	880	1100 J	700000	0.080 U
	TMW36102017	10/19/17	350	8300	160	950	1100 J	680000	0.080 U
	TMW36042017	4/20/17	160 J	7900 J	150 UJ	1000	1200 J	670000	0.080 UJ
TMW37	TMW37102018	10/18/18	2400	8100	1300	1100	1300 J	590000	0.080 U
	TMW37042018	4/25/18	710	5300	490	630	1000 J	560000	0.080 U
	TMW37102017	10/20/17	470	5600	450	730	2400 J	510000	0.080 U
	TMW37042017	4/20/17	540 J	5500 J	380 J	800	1100 J	540000	0.080 UJ

Table 5-12: Summary of Total Metals Analytical Results - Method 6010C and 7470A (µg/L)

			Aluminum	Calcium	Iron	Magnesium	Potassium	Sodium	Mercury
			CAS 7429-90-5	CAS 7440-70-2	CAS 7439-89-6	CAS 7439-95-4	CAS 7440-09-7	CAS 7440-23-5	CAS 7439-97-6
Well Name	Sample Identifier	Sample Date	Screening Value (ug/L) ^a						
			5000 ^b	NE	1000 ^b	NE	NE	NE	2 ^b
TMW38	TMW38102018	10/19/18	560	6900	400	870	830 J	550000	0.080 U
	TMW38042018	5/1/18	45 J	19000	170	2000	1700 J	860000	0.080 U
	TMW38102017	10/26/17	37 J	14000	120 U	1800	1200 U	820000 J	0.080 U
	TMW38042017	4/26/17	290 J	17000	350	2100	6300	880000	0.080 U
TMW39D	TMW39D102018	10/16/18	1700	18000	740	2200	1500 J	760000	0.080 U
	TMW39D042018	5/3/18	110 J	19000	57 J	1900	1200 J	750000	0.080 U
	TMW39D102017	10/27/17	31 J	18000	85 U	2100	1400 U	720000	0.080 U
	TMW39D042017	4/27/17	35 J	20000	27 J	2100	1300 J	740000	0.080 U
TMW40D	TMW40D102018	10/12/18	70 U	15000	85 U	2100	1500 J	780000	0.080 U
	TMW40D042018	5/1/18	70 U	15000	85 U	1900	1400 J	690000	0.080 U
	TMW40D102017	10/23/17	22 J	13000	85 U	1800	1500 J	680000	0.080 U
	TMW40D042017	4/25/17	19 J	14000	85 U	2000	4200	700000	0.080 U
TMW48	TMW48102018	10/16/18	70 U	74000	85 U	13000	1600 J	580000	0.080 U
	TMW48042018	5/2/18	70 U	79000	85 U	14000	1400 J	570000	0.080 U
	TMW48102017	10/27/17	70 U	68000	85 U	14000	1900 J	590000	0.080 U
	TMW48042017	4/26/17	70 U	84000	85 U	16000	5100	580000	0.080 U
TMW49	TMW49102018	10/17/18	30 J	79000	85 U	13000	1400 J	620000	0.080 U
	TMW49042018	5/4/18	34 J	81000	23 J	14000	1400 J	600000	0.080 U
	TMW49102017	10/27/17	92 J	62000	85 U	12000	2000 J	650000	0.080 U
	TMW49042017	4/26/17	35 J	80000	85 U	14000	5000	600000	0.080 U

Notes:

^a Mercury is analyzed using EPA Method 7470A, and the remaining metals are analyzed using EPA Method 6010C/6020A.

^b New Mexico Water Quality Control Commission - NMAC 20.6.2.3103.

^c Indicates a field duplicate sample.

Bold indicates analyte was positively detected above screening values.

Acronyms and Abbreviations:

µg/L = microgram per liter

CAS = Chemical Abstracts Service (registry number)

EPA = U.S. Environmental Protection Agency

J = (Estimated) The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to nonconformances discovered during data validation.

NE = not established

NMAC = New Mexico Administrative Code

U = (Non-detected) The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ = (Non-detected estimated) The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to nonconformances discovered during data validation.

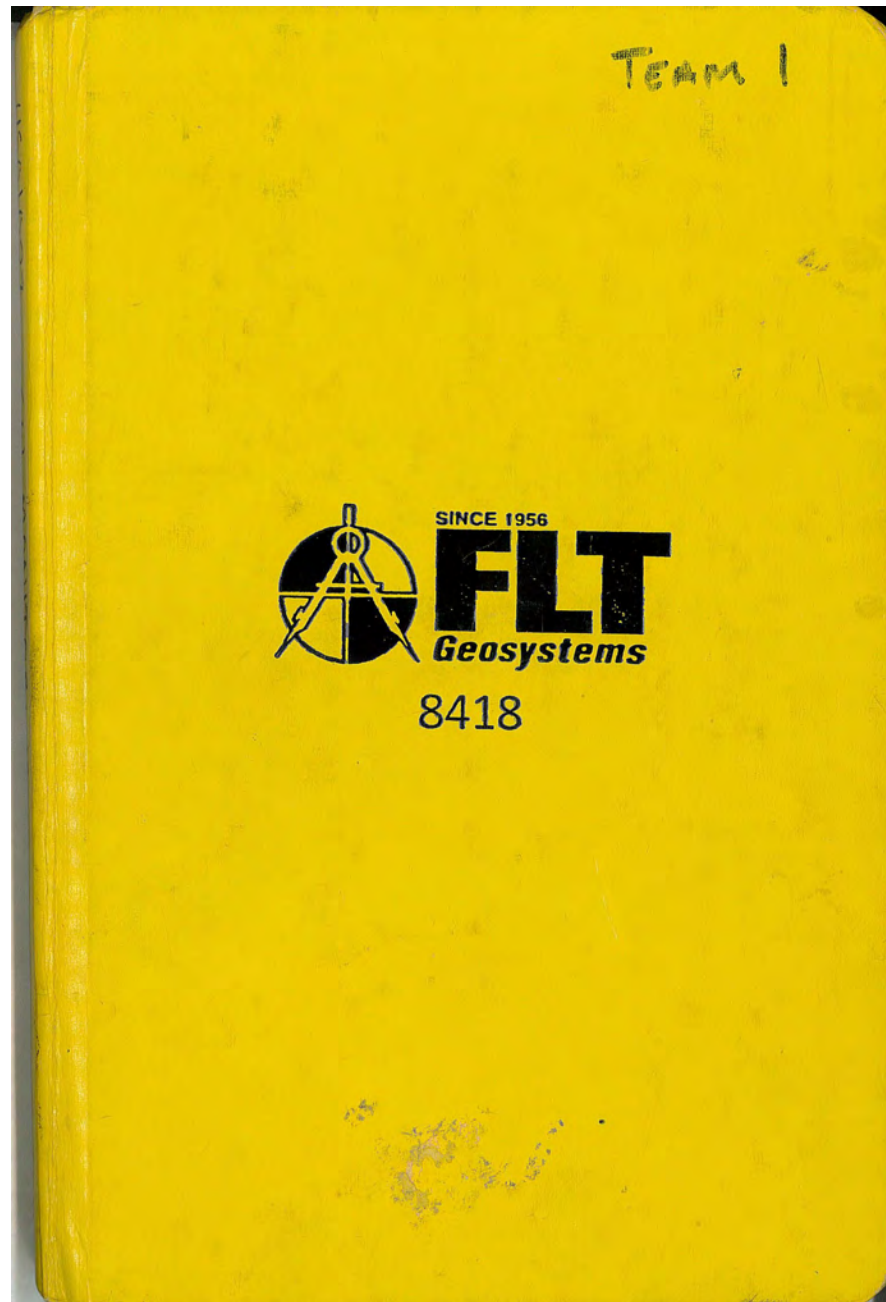
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Appendix A

Field Notes

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July 2018—Groundwater Elevation Measurements



7/16/18 Team 1 Caleb, Gaylen
Task: Water levels in northern area
Weather: cloudy, cool, might rain
Equipment: water level meter, decon supplies

0545 Get a call from Mac we may start late due to road closure.

0555 We can make it through closure; follow Mac to site

0607 Arrive on site, safety meeting.

0615 Help Team calibrate YSI + load equipment

0655 Head to sentinel wells for water levels.

0710 Water level @ CMW-24 = 20.60' btoe

0715 Get to CMW-23 area, decide to walk to it ^{it} because the ground is wet and muddy.

0730 Water level @ CMW-23 = 15.94' btoe

0740 Head to PZs

0800 Water level @ PZ-09 = 17.18' btoe

0814 Water level @ PZ-10 = 21.03' btoe

0834 Water level @ BGMW-03 = 18.00' btoe

white stringy roots on probe

0853 Water level @ PZ-06 = 21.78' btoe

0910 Water level @ PZ-05 = 22.23' btoe

0930 Mac calls & wants us to head back to trailer to run errands into town (pick up tubing + gas)

0948 pick up tubing from hotel.

0958 put gas in can for generator

1009 Drop off gas and tubing @ trailer, head back to field for water levels.

1017 Water level @ TMW-26 = 27.99' btoe

1021 Water level @ PZ-04 = 32.03' btoe

1030 Water level @ SMW-01 = 32.78' btoe

↳ brown roots observed on probe

1038 Water level @ TMW-27 = 28.89' btoe

62

1059 Water level @ PZ-01 = 28.17' btoe

1104 Water level @ PZ-02 = 24.69' btoe

1108 Water level @ PZ-03 = 26.74' btoe

1123 Water level @ TMW-08 = 37.89' btoe

1150 Water level @ BGMW-02 = 22.10' btoe

roots observed on probe

1202 Water level @ BGMW-07 = 18.02' btoe

1206 Water level @ BGMW-01 = 20.44' btoe

roots observed

1215 Water level @ TMW-28 = 20.65' btoe

1222 Water level @ PZ-07 = 17.61' btoe

covered w/ glove roots observed on probe

1233 Water level @ PZ-08 = 21.26' btoe

1315 Water level @ TMW-07 = 47.77' btoe

1319 Water level @ TMW-06 = 47.76' btoe

1325 Mac calls us and says there is a lightning hold. We get back to trailer and split up the rest of the water level activities.

1418 Off lightning hold, Water level at FWS 35 = 31.98' btoe

1429 Water level @ TMW-23 = 45.66' btoe

1435 Water level @ TMW-45 = 47.18

1444 Water level @ BGMW-09 = 53.84

1450 Lightning hold, remaining in truck.

1525 Head back to trailer to end day.

1545 End day

RJA

7/16/18

63

7/17/18 Team 2 Gaylen Caleb

Weather: cloudy, cool

Task: Continue water levels, purge BGMW-08

Equipment: Water level meter, decon supplies

0545 Arrive on site, Safety meeting

0550 Calibrate YSI for team 1, load equipment,
help Mac w/ equipment blank

0640 Head out to take water levels

0700 Water level @ BGMW-08 = 170.16' btoe

0710 Water level @ TMW-24 = 38.19' btoe

~~0722 Water level @ TMW-23 = 48.93' btoe~~

0722 Water level @ TMW-22 = 48.93' btoe

0729 Water level @ TMW-44 = 53.28' btoe

0736 Water level @ BGMW-10 = 30.69' btoe

0740 Water level @ TMW-47 = 47.35' btoe

0748 Water level @ TMW-41 = 42.81' btoe

0755 Water level @ TMW-36 = 31.08' btoe

0759 Water level @ TMW-04 = 56.98' btoe

* LA Kinked tubing

0803 Water level @ TMW-03 = 57.82' btoe

0808 Water level @ TMW-29 = 58.19' btoe

0815 Water level @ TMW-43 = 54.14' btoe

0826 Water level @ TMW-18 = 57.28' btoe

0833 Water level @ TMW-19 = 45.22' btoe

0839 Water level @ TMW-16 = 58.82' btoe

0900 Water level @ TMW-11 = 69.26' btoe

0901 Water level @ TMW-17 = 65.12' btoe

0915 Water level @ TMW-14 = 66.68' btoe

0923 Water level @ TMW-15 = 66.26' btoe

0933 Water level @ TMW-37 = 48.86' btoe

0937 Water level @ TMW-01 = 41.68' btoe

0940 Water level @ TMW-41D = 41.06' btoe

0942 Water level @ TMW-41S = 40.76' btoe

0952 Water level @ TMW-48 = 39.50' btoe

0957 Water level @ TMW-30 = 40.77' btoe

1004 Water level @ TMW-49 = 47.60' btoe

1012 Water level @ TMW-39S = 37.96' btoe

1018 Water level @ TMW-39D = 38.30' btoe

1025 Call Zapata because we need to enter their
area. They don't answer so we confirm w/
Mac that we can enter.

1032 Water level @ TMW-13 = 61.34' btoe

1040 Water level @ TMW-32 = 42.97' btoe

1046 Water level @ TMW-38 = 48.54' btoe

1054 Water level @ TMW-40S = 60.85' btoe

1056 Water level @ TMW-40D = 35.95' btoe

1101 Water level @ TMW-02 = 56.28' btoe

1125 Water level @ TMW-03 = 46.98' btoe

1131 Water level @ TMW-20 = 46.26' btoe

1137 Water level @ TMW-33 = 45.05

1145 Water level @ TMW-22D = 43.41

1150 Water level @ TMW-22S = 43.24

1207 Water level @ TMW-46 = 44.99

1223 Water level @ TMW-25 = 39.46

1233 Water level @ TMW-10 = 38.94' btoe

1244 Water level @ TMW-34 = 46.46

1256 " " " TMW-18D = 44.44

1251 " " " TMW-18S = 38.88

1300 " " " TMW-21 = 51.46

1305 Head back to trailer, help pack samples
for shipping. Re-taking

1345 Load up reclaimer, air compressor,
generator for purging BGMW-08

1409 Water level @ TMW-07 = 47.81' btoe

1420 Water level @ BGMW-09 = 53.54

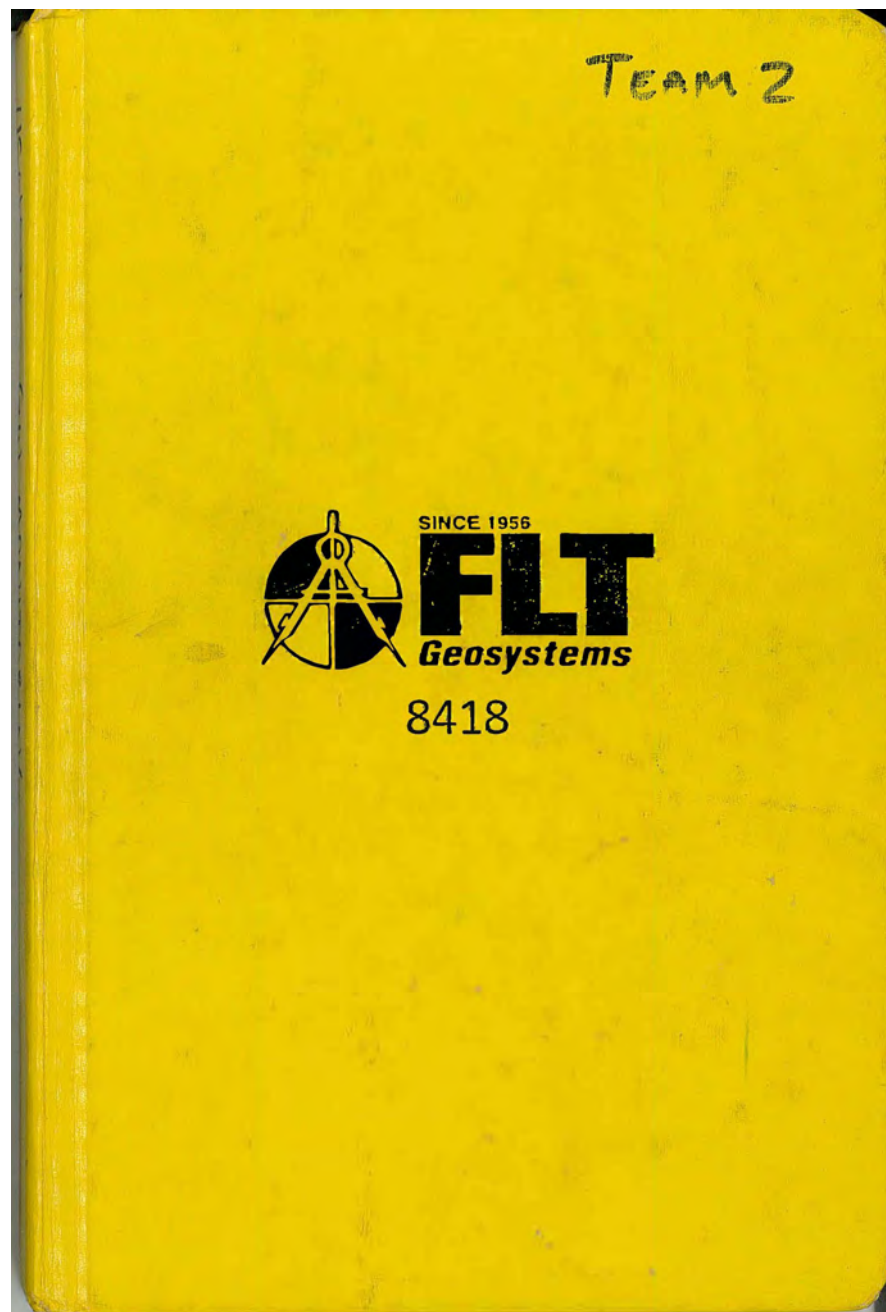
1445 " " @ TMW-37 = 48.79' btoe

1450 Water level @ TMW-16 = 58.44' btoe
1500 Water level @ TMW-23 = 45.69
1520 Setup to purge BGMW-03

1615 Done purging, decon, head back to trailer.
1645 Off site, end day.

~~RSB~~
~~7/17/18~~

WLP



Team 2 Gaylen Kristin 7/18/18

Task: EQUIPMENT BLANKS, TRAILER MAINTENANCE

WEATHER: SUNNY, WARM

EQUIPMENT: PUMPS, BOTTLES, DELCON, MOP, BROOM

0545 ARRIVE ON SITE, SAFETY MEETING. DISCUSS
HYDRATION, SUNSCREEN, SPIDERS IN LOCKS

0550 CALIBRATE YSI FOR TEAM 1, LOAD EQUIPMENT

0600 TEAM 1 GOING TO SAMPLE, KRISTIN, MAC,
AND I ARE DOING EQUIPMENT BLANKS

0755 HEAD TO BGMW-07, BGMW-09, & BGMW-10
to PUT LABELS ON THE WELL VAULTS ^{AND}

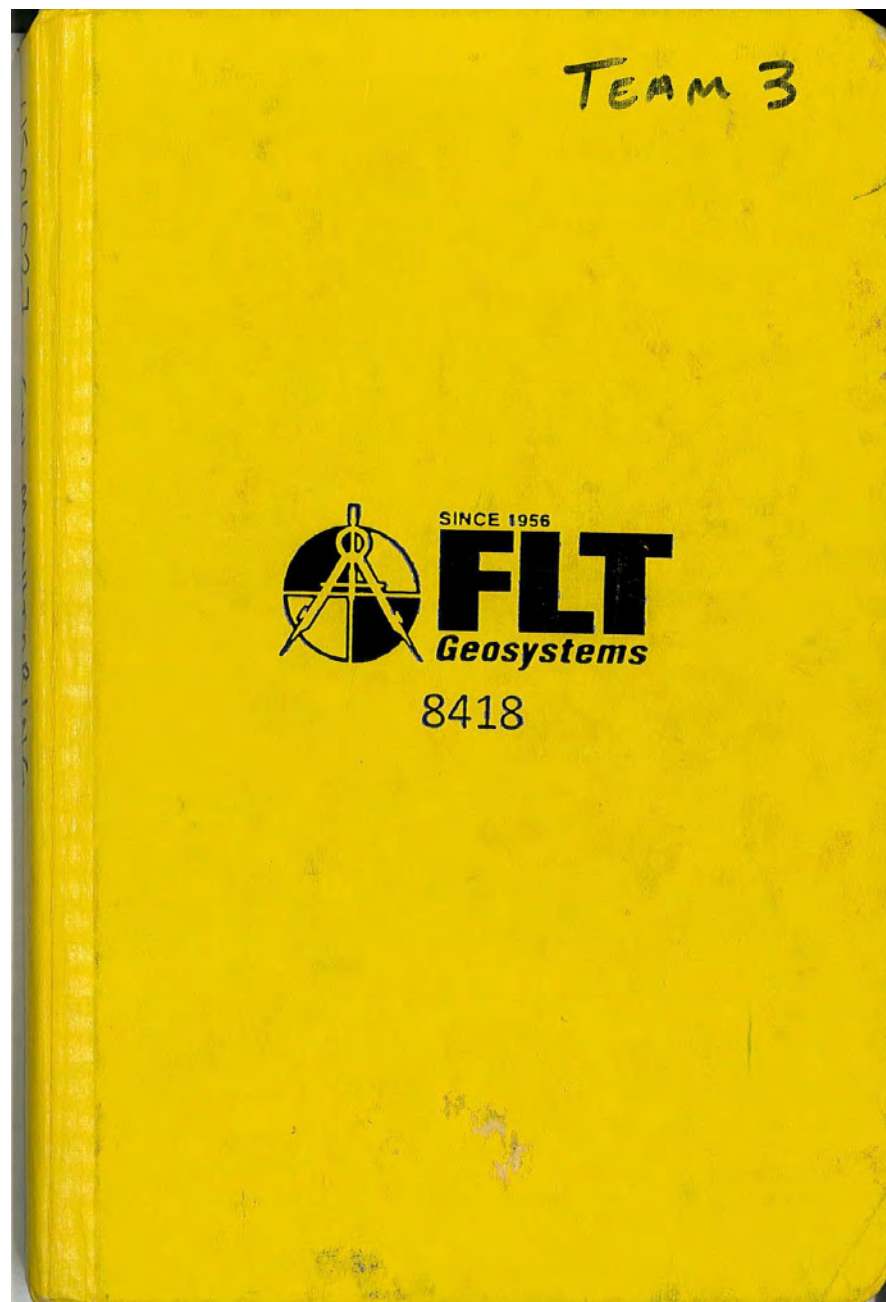
0915 WE ARE GOING TO BGMW-08 ^{AND} TO SAMPLE.

0940 SAMPLE BGMW-08. NOT ENOUGH FOR FULL
SAMPLE SUITE SO WE WILL RETURN
LATER TODAY TO COLLECT MORE

1000 RETURN TO TRAILER, OTHER TEAM IS
DONE SAMPLING. WE HELP THEM
UNLOAD & PACK SAMPLES.

1230 TAKE SAMPLES TO FEDEX, WASH
TRUCK, BACK TO ABQ

7/18/18



7/18/18

Team: Luke, Caleb, Monty and Rick
Plan: Sample, Bail and low-flow

0545 Arrive at trailers, load up
Team 1.

0630 Arrive at Cmw02

0715 Arrive at Bmw06 to attempt
Partial Sample. Less than 5m

0737 Arrive at Cmw25 For low-flow

0805 Well stable

0810 Sample start time

0900 Dump TOW and back to trailer

1030 Field filtering and packing
coolers

~~1215~~ 1215 Arrive at Bmw08 to
Attempt Sample

1235 ~~Bmw08~~ Bmw08 DTW 186.45'
Very close to dry.

1243 Back to trailer cleaning.

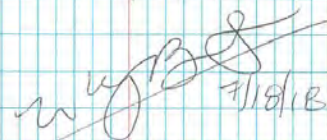
1336 Luke OFF-SITE

1357 Arrive @ Bmw08 to Sample
DTW - 186.25' total

Bailed Approx 30 mls
finished an explosive water

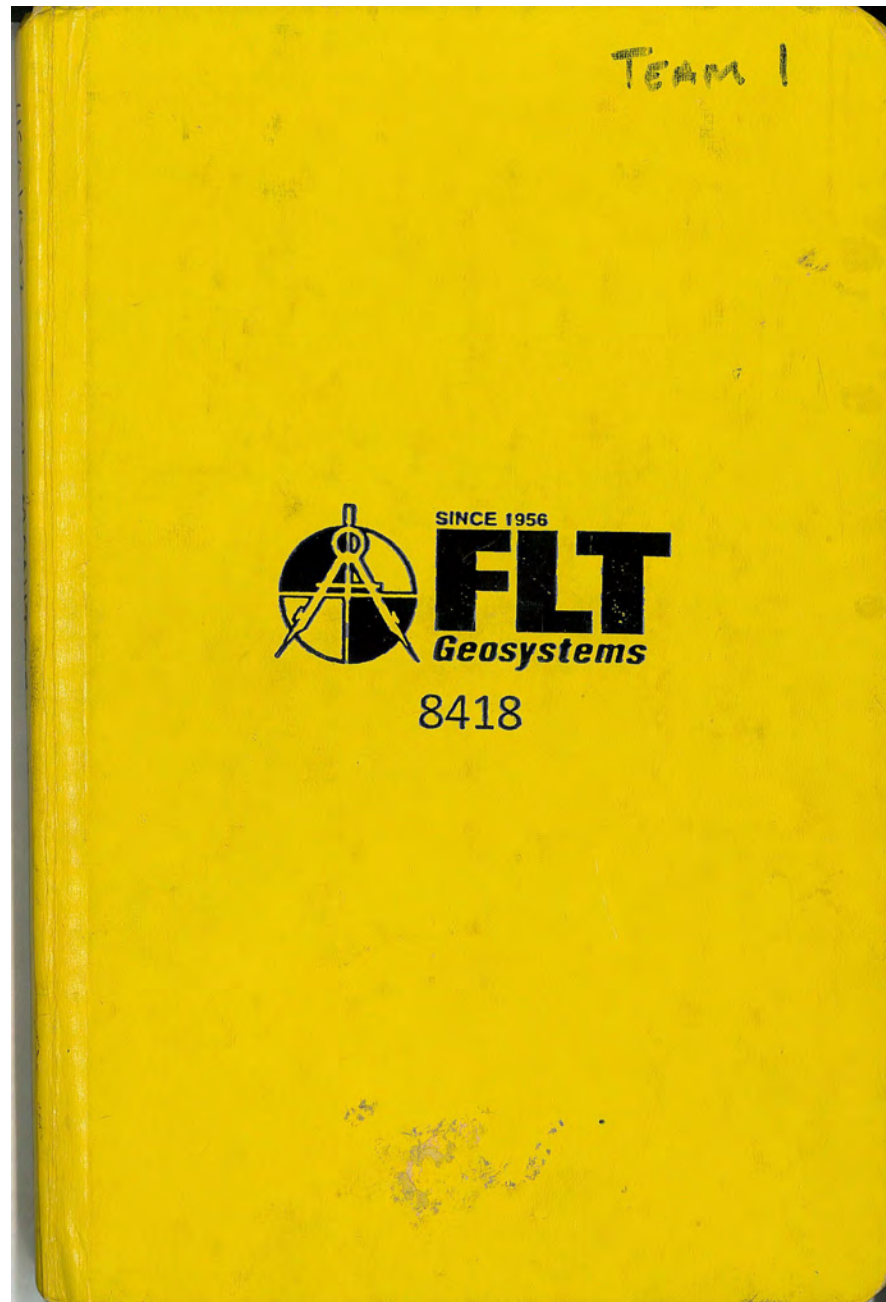
1410 Headed back to Trl.

1430 Loaded ? left site for day


7/18/18

7/19/18
Team: MacDooth, Caleb Jennings
Plan: bail sample BGMW08
Weather: calm clear warm; 5 mph wind temp = 57°F
Equipment: Bailers, twine, sample bottles
0700 Arrive @ Sundance trailer, safety brief, load equipment
0710 Depart Sundance trailer for BGMW08
0717 Arrive @ BGMW08 for sampling
0740 Finish BGMW08 bail BGMW08 dry, return to trailer
0746 Arrive @ Sundance trailer to load pumps for shipping
0840 Arrive @ Tmw 10 to drop pump & test
DTW = 38.83' btoe
Testing pump
Flow 30 gpm 180 ml/min 40 psi
0900 Decon equipment, left Tmw 10
0901 Arrive @ TMW34 to drop pump & test
DTW = 47.38 ft btoe
Testing pump
Flow 30 gpm 180 ml/min 36 psi
Decon equipment depart TMW34
Flow 30 gpm 30 psi 155 ml/min
0920 Depart TMW34
0945 Loaded N bottles headed to
1100 Big mixer
1030 Back @ trailer from big mixer
1145 - Talked to PM, discussed recharge rate. Unable to collect SVOC, Pesticides, herbicides and PCBs. Only shipping explosives and finishing up.
1230 Loaded up headed off site.
Wingate

October 2018—Groundwater Sampling Event



10/8/18 Team 3 - DAVE + George
Weather: Cloudy, cool 39°
Task: water levels in northern area
0736: left trailer after safety debrief
0755: water level at MW23 - 16.02
0805: water level at MW24 - 20.92
0830: water level at BG MW01 - 17.57 - 165
of moisture. Double checked level
0835: water level at BG MW01 - 20.55. Veg
or weeds growth came up with meter
0847: water level at TMW28 - 20.89
0855: water level at BG MW02 - 22.71
0907: water level at BG MW03 - 18.35
0919: water level at TMW26 - 28.10
0928: water level at TMW27 - 29.08
0937: water level at SMW01 - 32.82
0950: water level at TMW08 - 37.64
1000: water level at TMW35 - 45.12
1005: water level at TMW33 - 44.92
1011: water level at MW225 - 43.30
and water level at MW225 - 43.35
1018: water level at MW20 - 46.25
1023: water level at TMW34 - 46.49
1040: water level at MW18D - 44.28
and at MW18S - 38.82. Heavy
diesel smell. Could not get water
level meter clean enough. Smelled
like diesel so exchanged for new
one and will heavy decon after
water levels are checked at end of day.
1058: water level at MW02 41.79
1103: water level at MW01 43.42
1111: water level at MW03 46.84
1123: water level at TMW46 45.25
1133: water level at TMW10 38.92
67

- 1155 - Double checked water level at
TMW 38 - 49.76 which is still
off from last level testing but
consistent with previous Team test.
- 1207 - Double checked water level at
TMW 07 - 47.12 which is
consistent with previous team, but
off from ~~last~~ last sampling event.
- 1219 - double check water level at
TMW 36 - 31.43
- 1229 - double checked water level at
BGMW09 - 47.25 which is
similar to last team, but off
from last sampling event.
- 1305 - checked water level at PZ05
22.44
- 1308 - checked water level at PZ06
21.71
- 1328 - Arrived at TMW 29 to bail.
Depth to water 58.23. Bailed
well dry (approx. 9.5 L).
- 1415 - left TMW 29.
- 1420 - arrived at BGMW08 to bail.
- 1615 - finished bailing BGMW08 dry.
Approx 23L to bail dry.
- 1620 - returned to trailer and unpacked
cooler.
- 1700 - end of day. off site and
demobil.

~~I [signature]~~
10/8/18

Team: Luke, Kristin

Weather: 37° Cloudy

Plan: Sample 3 wells, purge 2 wells

0735 Depart trailer for FW31

0756 Arrive at FW31, take samples

0836 Depart well

0854 Arrive at TMW40S, Partial samples

0936 Depart well

0938 Arrive at TMW29, take samples

1008 Depart well

1015 Arrive at trailer to pack coolers, CoCs,
Lab filter

1350 Depart trailer ~~for~~ for BGMW09 to purge

1352 Arrive at BGMW09

1623 Depart well, purged.

1642 Unpack truck at trailer. Prep bottles

~~leg~~

Team: Luke, Kristin

Weather: 36°, Windy

Plan: Sample 6 wells, purge 2

Equipment: Bailers, Reclaimer

0758 Arrive at BGMW09 to sample

- Partial SVOC, Pest., PCB, Herb. samples taken for regular sample
- Partial explosive taken for FD
- No SVOC, Pest, PCB, or Herb taken for FD.

0905 Depart well

0907 Arrive at TMW07 to sample

- All samples taken at 0915

0935 Depart well

0939 Arrive at well TMW33 to sample

Samples taken at 0944

1010 Depart well

1021 Arrive at BGMW03 to sample

- all samples taken at 1027

1051 Depart well

1100 Arrive at TMW46, saw bunny.

1135 Depart well, samples taken at 1103

1139 Arrive at NW18D.

- Also present, Mac and Daisy
- samples taken at 1149

1222 Depart well

1431 Finish packing/sending coolers and COCs.

- Load truck with reclaimer and gear for purging BGMW10

1433 Depart trailer for BGMW10

1438 Arrive at BGMW10, Decon Reclaimer from BGMW09 yesterday

1520 Start purging process

1702 Finish purging, depart well

1715 Dump IPW

1720 Return generators

1524 Return to trailer to unload

1528 Depart trailer for the day

A17

10/11/2018 Ft. Wingate
Luke 3 Kristin
40° Little Breeze - overcast
Sampling & purging

0700 Arrive at Site For Safety
tailgate. Watch for trip
hazards

0705 calibrate YSI and load
truck For Sampling.
- BGMW08 Partial Bail.
- BGMW09 - Partial Bail
- BGMW10 - Bail
- SMW01 - Lowflow

0744 Depart trailer

0747 Arrive at BGMW08 to retrieve
remaining samples (SVOCs, Pest, PCBs,
Herb.)

0810 Partial sample 1L bottle taken,
putting in fridge to continue filling
tomorrow

- Depart well

0813 ~~Depart~~ Arrive at well BGMW09
to collect remaining FD samples

0857 collected remaining samples. started
to rain. Depart well

0903 Arrive at BGMW10 to collect
samples

0950 All samples collected, Depart

0958 Drop off samples at trailer
and dump trash

1000 Depart trailer to buy ice

1025 Return with ice, take some to Team 2

1040 Return to trailer to unload remaining
ice

1106 Depart trailer for BGMW07
- Swapped Kristin For Georg

1206 Start purging BGMW07

1356 ~~100%~~ Finished purging

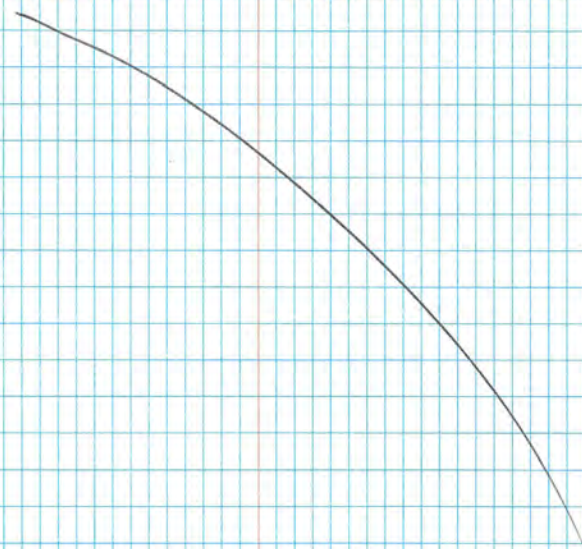
1420 ~~100%~~ Departing BGMW07

1430 Packing coolers for shipping

1530 Pump IDW

1600

OFF SITE



10/12/18 Luke, Kristin

Weather: 40°, Cloudy

Plan: Collect 3 partial samples, and 1 sample suite, Low flow 1 well.

0737 Depart trailer for Tmw40S to collect SVOCs and pesticides. (0.4 L needed).

0802 Depart Tmw40S, partial sample collected.

0822 Depart BGMW09, partial collected

0825 Arrive at BGMW08 to collect partial. Currently need at least 3.5 L to be finished sampling at this well.

0839 Depart well. Not enough volume collected to send sample.

0850 Arrive at BGMW07 to collect full sample suite

1013 Depart well, all samples collected

1021 Arrive at SMW01 to low flow.

1330 Depart SMW01, all samples collected.

- Return to trailer

- Pack coolers

- Send off coolers

- Clean trailer

1500 Depart

fly

10/15/2018

Luke and Kristin

34°. Snow 1st + Rain

Plan: Partial Bgl Sample BGMW08
and low flow MW20/
TMW34

0700 Arrive on Site For
Safety tailgate

- Pay Attention When
operating vehicle

0705 Calibrate YSI and load
trucks for sampling.

0745 Arrive at BGMW08 to collect
partial samples. collected 1.25 L to
be labeled in trailer

0820 Arrive at MW20 to low flow.
Need GRO TB for this well.

0851 Water is not coming out of low flow
system. Discovered hole in tube for
air. Replace air tube.

10/16/18 Luke, Kristin

35° Cloudy, chance of rain

Plan: collect partial, metals, lowflow

0737 Depart trailer, dump IPW, get ice

0749 Arrive at BGMW08 to collect partial,
with 1.25L waiting in refrigerator. DTW 185.4'

0803 Depart BGMW08 with 0.25L collected

0805 Arrive at BGMW09 to collect N and
FD metals samples. DTW 135.2'

0830 All samples collected, depart well.

0835 Arrive at trailer to switch out
coolers, due to one being filled with
sample supplies.

0857 Depart trailer for TMW15

0841 Arrive at TMW15 to low flow

1058 All N and FD samples collected, Depart well.

1102 Arrive at TMW39D to low flow.

1307 Depart TMW39D, all samples
collected.

1315 Arrive at trailer to make COCs and
pack coolers

1345 Luke went back out to BGMW09
to collect more volume for filtered
samples

1510 samples sent off. Going back out
to pull pumps out of 5 coolers.

- It is 41° and rainy

1705 Complete 2 pump pulls, dump IPW

1743 Complete helping team 2 pull pump
return to trailer, unload truck

KL

10/17/18 Luke, Kristin
Weather: 36° partly cloudy
Plan: Low flow 2 wells
Equipment: YSI, low flow box and tubing, nitrogen

0734 Depart trailer, get ice
0743 Arrive at Tmw 49 to low-flow
- Sample time 0900, 50-60 ml/min.
- 45 min. to stabilize
0900 Sample Time Start
1130 Finish Sampling at Tmw 49
1155 Arrive at Tmw 45
1202 Start Purge, Low Flow
1235 Start Sample time
1345 KG leaves to start
COCs, Rachel switched out
1420 Leave well Tmw 45
1430 Pack coolers, get shipment
Ready
1515 Meet Dave and George at Tmw 37
for Equipment
1525 Arrive at Tmw 18 to purge
Bennett Well
1545 Finish purge, need to Tmw 19
to check on Beth and John.
- Help assess re-tubing
Bennett Well situation
1630 Start purging Tmw 19
1719 End purge at Tmw 19.
1830 Back to Trailer to
Unload
~~1800~~
1800 OFF SITE

10/18/18 Luke, Kristin
Weather: 36° Partly cloudy
Plan: Low-flow 1 well

0739 Depart trailer for well Tmw 17, get ice,
no ice, made meme about no ice.
0746 Arrive at well Tmw 17
0752 Start purging, get level to stabilize
- 40 psi 60 on / 60 off 30 ml/min
0806 leak in air supply from control box,
stop purge to fix
0809 Begin purging again
0920 Sample time
1111 end sampling, pack up
1113 Depart well
1116 Arrive back at trailer to pack coolers
and ship. make COCs
1130 Luke, Dave, and George go to
Tmw 38 to purge. 60 gallons purged
1315 Kristin and Kachina take coolers
to ship.
1405 Return from shipping coolers
1415 Start packing up trailer in prep.
for moving tomorrow.
1505 Luke took recycling and Geotech/
Pine equipment to shipping center.
1645 took coolers and plastic to bldg. 13
and dropped off BESST pump control boxes
to trailer 1. Departed facility

10/19/18 Kristin, Luke

Weather: 33° Clear

Plan: Bail 1 well

0725 Depart trailer for well TMW38.

0729 Arrive at well TMW38 to bail.

0800 Depart well. all samples collected.

0805 Pump IDW

0810 Return to trailer.

0830 Clean YSI's and pack them to ship

0900 finish CDCs

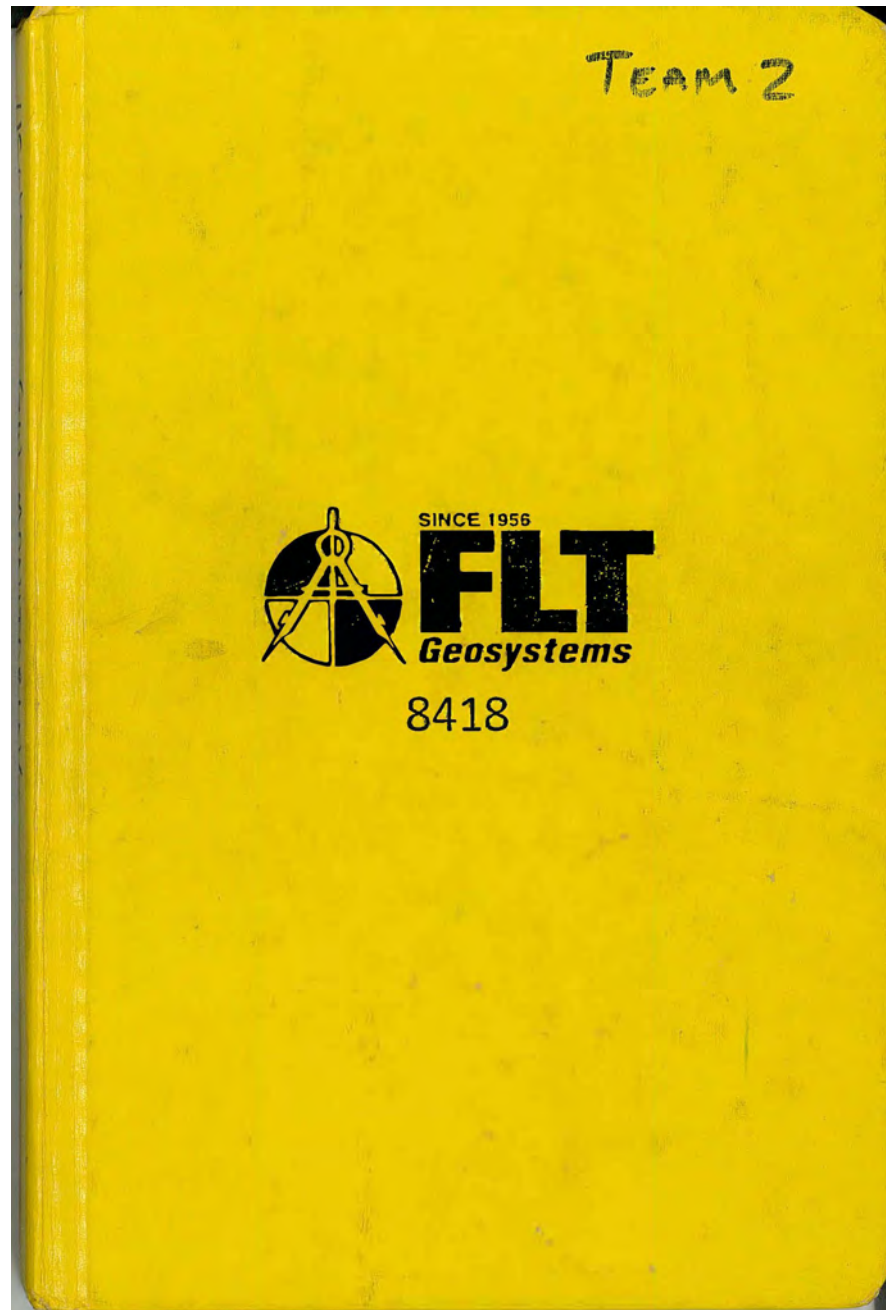
0930 Start packing coolers

1000 Go get ice

1030 finish packing coolers

1045 Drop of remaining cooler and water
meters off at building 1 and 13

1050 Return to trailer to help clean trailer



10/8/18

Team: Ryan and Kachina

Weather: Cloudy, light wind

Equipment: WLS meter

Plan: Take water levels

0700 Safety tailgate

0742 Arrive at TMW25

DTW = 39.32' TOL

0750 Arrive at TMW18

DTW = ~~54.56~~ 57.11' (Top of sleeve)

0759 Arrive at TMW19

DTW = 44.85' (Top of sleeve)

0809 Arrive at TMW16

DTW = 58.35' TOS

0817 Arrive at TMW11

DTW = 69.43'

0821 Arrive at TMW17

DTW = 65.10'

0827 Arrive at TMW13

DTW = 66.34'

0832 Arrive at TMW37

DTW = 48.71'

0839 Arrive at TMW01

DTW = 41.78'

0842 Arrive at TMW31S

DTW = 40.80'

TMW31D DTW = 41.15'

0850 Arrive at TMW39D

DTW = 38.39'

TMW39S DTW = 38.03'

0858 Arrive at TMW 48

DTW = 38.65'

0903 Arrive at TMW 30

DTW = 40.71'

0907 Arrive at TMW 49

DTW = 47.60'

0912 Arrive at TMW 14A

DTW = 46.42'

0920 Arrive at TMW 13

DTW = 41.41'

0925 Arrive at TMW 38

DTW = 49.69'

0937 Arrive at TMW 32

DTW = 43.06'

0945 Arrive at TMW 29

DTW = 58.20'

0949 Arrive at TMW 43

DTW = 54.11'

0954 Arrive at TMW 44

DTW = 53.00'

0958 Arrive at TMW 47

DTW = 47.30'

Arrive at BGMW 10

DTW = 30.79'

1005 Arrive at TMW 04

DTW = 56.78'

1010 Arrive at TMW 36

DTW = 31.08'

1013 Arrive at TMW 03

DTW = 57.77'

1019 Arrive at TMW 41

DTW = 42.53'

1024 Arrive at TMW 40 D

DTW = 26.10'

TMW 40 S DTW = 60.86'

1031 Arrive at TMW 02

DTW = 56.48'

Arrive at TMW 22

1043 DTW = 78.56'

1049 Arrive at TMW 23

DTW = 45.50'

1052 Arrive at TMW 45

DTW = 47.08'

1055 Arrive at BGMW 09

DTW = 47.24' (W.L. rose more than 1/2 ft, tell Mac)

1100 Arrive at BGMW 08

DTW = 46.64' (W.L. rose more than 1/2 ft, tell Mac)

1108 Arrive at TMW 24

DTW = 23.90'

1116 Arrive at TMW 07

DTW = 47.16'

1119 Arrive at TMW 06

DTW = 47.63'

1125 Arrive at TMW 21

DTW = 54.43'

1128 Return to trailer

1155 Arrive at BGMW 07 to double check water level.

DTW = 17.58'

1200 Arrive at PZ 07

DTW = 17.69'

1205 Arrive @ PZ 08

DTW = 21.28'

1210 Arrive @ PZ 03

DTW = 26.75'

1210 Arrive at P202
DTW = 24.66'

1245 Arrive at P201
DTW = 28.11'

1225 Head Back to Ld. Dr

1255 Arrive at P204
DTW = 33.31' 32.80'

1325 Arrive at MW02
DTW = 41.74'
Purged dry

1350 Arrive at MW01
DTW = 43.37'
Purged dry

1418 Arrive at TMW21
DTW = 51.37'
Purged dry

1512 Return ~~to trailer~~ to trailer
Empty coolers and put away supplies / temp blanks

1650 End of day, leave site

10/9/18
Team: Ryan and Kachin
Weather: Cloudy, 38°F
Equipment: W.L. meter, bailers, blue totes, Grunfos, control box, YSI, bailers
Plan: Sample MW01, MW02, BG-MW08, TMW21 and purge BG-MW03, TMW07, TMW23, TMW46

0700 Safety tailgate
Prep sample bottles, calibrate YSI, and load equipment

0740 Arrive at MW02

0800 Sample Partial MW02
SI, II need Post / OK

0830 Arrive at MW01

0845 Sampled entire suite at MW01

0911 Arrive at TMW21

0915 Sample TMW21 full suite

0930 Return to trailer

0950 Arrive at BG-MW08

1000 Collect Partial sample at BG-MW08
alkalinity, nitrate, Total metals, Perchlorate, dissolved

1020 Return to trailer
Drop samples off and pack supplies to purge

1050 Arrive at BG-MW03 to purge

1130 Return to trailer
Grunfos ground faulting, troubleshoot → new pump

1225 Arrive back at BG-MW03
Decom new pump, purge well dry

1344 Arrive at ~~TMW46~~ TMW46
Purged dry

1440 Arrive at TMW23
Purge dry

1540 Arrive at ~~TMW~~ MW08, Dave joined to help
Purge dry

1608 Arrive at TMW07

Purge clay

Dump IDW

~~Unload back~~

1709 Return to trailer

~~1715~~ End of day, leave site

10/10/18

Team: Ryan and Kuchina

Weather: Windy, 36°F,

Equipment: Grinders, control box, bailers, blue totes, buckets, sample bottles

Plan: Sample remaining at TMW405, MW02, BGMW08 and purge wells TMW395, TMW44, TMW41, TMW315, TMW22, TMW30, TMW23

0700 Safety meeting

Calibrate YSE and load equipment

0753 Arrive at MW02

Complete sampling - DRG, pesticides

0827 Arrive at BGMW08

Partial sample - explosives

0856 Arrive at TMW405

Partial sample - total metals, dissolved metals, perchlorate

0920 Return to trailer

Filter and drop off samples

Load piling equipment

1007 Arrive at TMW23

Purge clay, clean pump

1043 Arrive at TMW22

Purge clay, clean pump

Trouble w/ Grind for during clean, but got it working again

~~1129 Arrive at TMW41~~

~~Purge clay~~

1130 Arrive at TMW44

Purge clay

Trouble w/ Grind for, but got it working again

Clean pump

1229 Arrive at TMW41
Purge dry, decon pump

1314 Arrive at TMW39S
Purge dry, decon

1341 Arrive at TMW31S
Purge dry, decon

1452 Dump IDW

1305 Arrive at ~~TMW41~~ ^{TMW11} w/ Mac to pull ZIST and
packers
~~DTW~~ DTW = 69.36' w/ packers + pump
Pulled pump but didn't find packers → none
New DTW = 70.36'
Purge dry < 2ft
Biological material in well on pump
NEEDS J PLUG, Dump IDW

1420 Return to trailer
Unload truck

1445 End of day, leave site

10/11/18

Team: Ryan and Kristin

Weather: 41°F, mostly cloudy, light wind

Equipment: bailers, twine, buckets, YSI

Plan: Sample wells

0700 Safety meeting

Calibrate YSI, load equipment

0745 Arrive at TMW23

DTW = 45.56'

Sample full set

0822 Arrive at TMW22

DTW = 49.50'

Sample full set

0851 Arrive at TMW44

DTW = 53.22'

Sample full set

0924 Arrive at TMW41

DTW = 44.90'

Full sample

0958 Arrive at TMW40S

DTW = 61.47'

Partial sample

1026 Arrive at TMW39S

DTW = 45.24

Sample full set, Luke & Kristin dropped off ice/galbed coals

1114 Arrive at TMW31

DTW = 41.70'

Sample full set

1145 Arrive at TMW30

DTW = 40.70'

Sample full set

1217 Arrive at TMW11

DTW = 75.97'

No J Plug

Sample full set

1245 Return to trailer, filter samples

Pack coolers, unpack, Kuchina goes w/

Dave to finish LF

1530 Leave site, drop samples

10/12/18

Team: Ryan and Kuchina

Weather: 40°F,

Equipment: Nitrogen tanks, power inverter, control box, W.L. meter

Plan: Low flow sample MW220, TMW06, and TMW03

0700 Safety meeting

Calibrate YSI, load truck

0755 Arrive at MW220

DTW = 43.50'

Ryan took call at 10 am

Sample full set, Mac joined halfway through

1151 Arrive at TMW03

Gave TMW06 paperwork to Dave & George
to take over that sample set

DTW = ~~55.83~~ 57.83'

Sample full set

1321 Return to trailer

Filter samples from other team

Prep coolers and pack coolers for shipping

1448 Dave and George taking coolers to FedEx

1455 Ryan and Luke dump IDW

~~1500 Leave site~~

1515 Leave site

10/15/18

Team: Rachel and Kachina

Weather: 30°F,

Equipment: Nitrogen tanks, regulator, WIL meter,
control box, power inverter, buckets, YSI

Plan: Sample low flow MW03 and TMW35

0700 Safety meeting

Calibrate YSI, load equipment

0745 Pick up ice and mob to TMW35
to sample

0750 Set up, at TMW35

0809 Begin purging

0900 Collect full sample at TMW35

1000 Arrive at MW03

DTW = 47.17'

Sample full set, Mac brought another well for us

1216 Arrive at TMW01

DTW = 41.98'

Sample full set

1349 Return to trailer

Pack coolers

1419 George takes samples to FedEx

Unload trucks, switch trucks, load equipment
to purge by bailer BG MW09

1448 Arrive at BG MW09 w/ Dave

DTW = 137.25'

Purged dry w/ bailer

1546 Return to trailer

Unload truck, check & turn in paperwork

1600 Leave site

10/16/18

Boon

Team: Mac + Kachina

Weather: 34°F, 10-15 mph wind, partly cloudy

Plan: Ball TMW35, Low flow TMW02, TMW48

Equipment: Low flow, YSI

0630 Mac arrive on site

0700 Kachina arrive @ site, Safety mtg

0710 Kachina out of gas, left site for gas

0746 left trailer

0750 Arrive @ TMW35

DTW = 40.71', No J plug

Sample full set

0758 Sample time

0818 Leave TMW35

0824 Arrive @ TMW02

TMW02 directly East of TWT bed fill pile
w/ strong wind blowing from the East

DTW = 56.62'

0912 Begin sampling

1020 Leave TMW02

1024 Return to trailer

Drop samples and switch Mac w/ Rachel

1033 Arrive at TMW48

DTW = 39.77'

1053 Sample time, full set collected

1125 Leave TMW48

1135 Dump IDW

1140 Return to trailer, grab new well purge sheet
from Mac TMW04

1209 Arrive at TMW04, DTW = 56.95'

1240 Sample time, started snowing

1315 Leave TMW04

1319 Dump IDW

1323 Return to trailer, unload samples

1340 Rachel stays at trailer, Kachia goes
w/Luke to collect more water from ~~Bentweg~~
BGW09
1401 Return to trailer, prep coolers
1415 Ice on, pack samples to ship.
1500 leave to drop off samples
1530 Drop samples at FedEx
1600 Return and Mob to TMW16.
~~1644~~ Pull tubing from TMW16
1645 Mob to TMW36. Pull
tubing bundle from
TMW36. Leave pumps at
well head
1745 Return to trailer. Unpack
from day.
1800 Leave site

10/17/18

Team: Rachel and Kachia

Weather:

Equipment: N. nitrogen tanks, control box, power inverter,
~~Plan~~ W.V. meter, YSI, buckets, regulator
Plan: Low flow TMW38 and TMW47

0700 Safety meeting

Calibrate YSI, load equipment

0742 Mob to TMW38 ~~and set up~~

0750 return to trailer and get safety vests

0757 Arrive at TMW38

0804 Fix tubing at TMW38

0824 Begin purging, 4 on, 64 off

0833 Change settings to 2 on, 75 off because water
level keeps drawing down

2.5 on 80 off @ 0833 50.45 DTW

2 on 84 off @ 0840 50.5

2 on 90 off @ 0900 50.70

2 on 100 off @ 0930 50.85

0930 water level still drawing down & water
coming out of pressure release on
control box. Discussed w/ B. Davis and
M. Booth. Directed to stop sampling

0940 Receive new control box from M. Booth
Mob to TMW47, set up.

0954 Begin purging.

1018 DTW stabilize at 48.20 ft bgs

1025 Collect sample TMW 47 10/2018

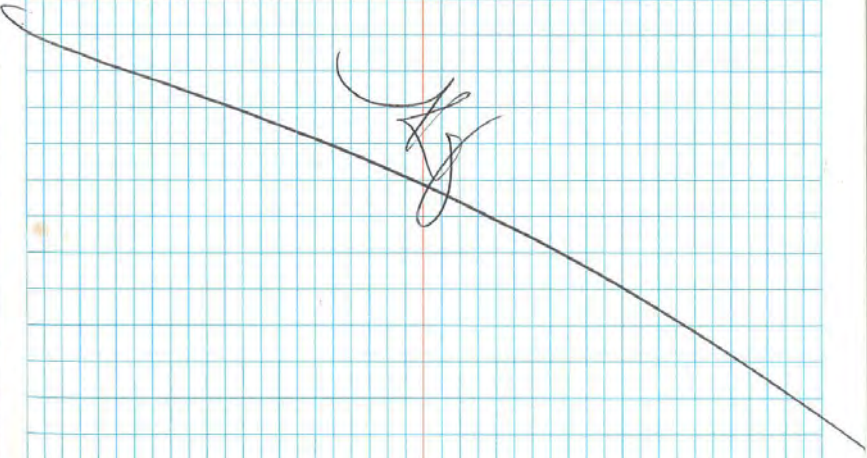
1325 Leave TMW47

1329 Dump IDW

1334 Return to trailer

1338 Take deflation tape and needle nose pliers
to John David & Beth

1345 Drop Rachel off w/ Luke at TMW45
Pick up Kristin & hand to trailer
1352 Arrive at trailer
Prep coolers, pack samples
1456 Drop coolers at FedEx w/ Kristin
Return to trailer, load equipment to purge TMW38
1335 Arrive at TMW38
DTW = 50.21'
Pull pump
New DTW = 53.54'
Purged 16L before the pump ground faulted,
tried to fix the problem by restarting pump/
control box
1715 Pulled pump and disconnected equipment
1728 Dump IDW
1730 Return to trailer and unload trucks
1800 Leave site



10/18/18

Team: Rachel and Kachina

Weather: 40°F, partly cloudy

Equipment: Nitrogen tanks, control box, power inverter
W.L. meter, buckets, YSI, regulator

Plan: Low flow TMW24

0700 Safety meeting

Calibrate YSI and load equipment

0749 Arrive at TMW24

DTW = 38.27'

0910 Begin Sampling

1147 Leave TMW24

1200 Return to trailer

1208 Dump IDW and get ice

1229 Prep coolers and pack samples

1315 Kristin & Kachina take coolers to FedEx

1405 Return to ~~trailer~~ trailer

Break down boxes and pack, move bottles

1623 Arrive back at trailer

1630 Take equipment (pumps, W.L. meters) to the
Army Corps

1645 Leave site

Rg

10/19/18

Team: Rachel and Kristin

Weather:

Equipment: Nitrogen, W.L. meter, regulator, YSI

Plan: Sample TMW16 and partial BGMW08

0700 Safety meeting

Calibrate YSI and load equipment

0746 Arrive at TMW16, DTW = 101.05'

0801 Begin sampling

0829 Leave TMW16

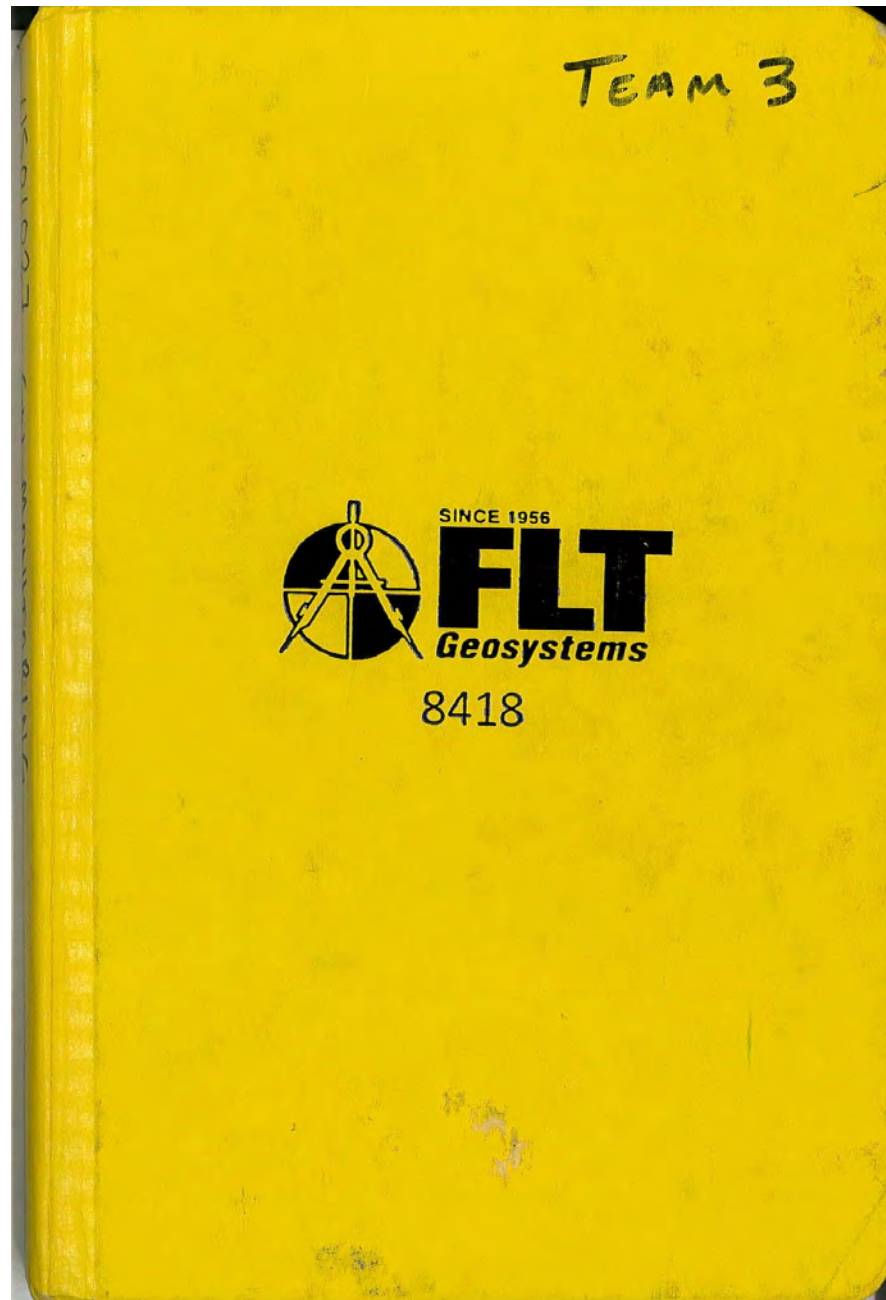
0836 Arrive at BGMW08, DTW = 185.56, Setup
to bail

0840 Lose bailer, string down well, notify
M. Booth

0915 Retrieve bailer w/ fishing tool. Collect
about 200 ml of water from BGMW08

0940 Return to trailer to pack/ship samples
and pack up bailer

1000 Drop IDW at exp. pond



Team 1: Luke, Kristin 10/8/18

43° mostly cloudy

Equipment: 3 bailers, twine

Plan: Water levels

10:15 Return from cooler dropoff

10:35 Depart trailer

10:52 Arrive at FW31

10:57 DTW 43.14'

11:02 Depart FW31

11:19 Arrive at FW35

11:25 DTW 31.95'

12:03 Arrive at BGMW08 (Kachina and Kristin)

DTW = 148.67'

12:30 Arrive at PZ10

DTW = 21.35'

12:36 Arrive at PZ09

DTW = 17.52'

13:05 Return to trailer

13:24 Depart trailer to purge wells

13:27 Arrive at TMW40S, purge

14:04 Depart well

14:18 Arrive at FW31, purge

15:30 Depart well

15:51 Arrive at TMW47, well has pump cannot bail, Depart

16:00 Helped team 3 at BGMW08

16:14 Depart

16:48 Unpack ice chests

16:50 Depart trailer for the day

LL

Team 3 - Dave + George 10/9/18

37° - partly cloudy

Equipment: YSI, control box, converter, nitrogen tanks

Plan: low flow BGMW01 and TMW28

0700 - arrive on-site and safety meeting.

0715 - calibrate YSI and load equipment

0738 - depart trailer

0751 - arrived at BGMW01

for sampling

0910 - sample time at BGMW01

1020 - Arrived at TMW28 for sampling

1100 - sample time

1125 - left well and returned to trailer with samples.

1142 - arrived at trailer and prepared coolers

1400 - Delivered coolers to FedEx

1430 - Joined team to help Groundfos prep wells.

1700 - returned to trailer

1710 - off site

[Signature]
10/9/18

Team 3 - DAVE + George 10/10/18
410 - clear skies
Equipment - YSI, control box, converter, nitro tanks
Plan - low flow sample TMW-26 + TMW-27
0700 - arrived at trailer for safety brief and prep.
0730 - left trailer for wells
0747 - arrived at TMW-27 for sampling
0915 - sample time at TMW-27
0935 - Left TMW-27
0942 - Arrived at TMW-26
1045 - sample time at TMW-26
1118 - left TMW-26
1127 - arrived at TMW-10
1205 - sample time at TMW-10
1230 - Depart TMW-10 and return to trailer
1400 - Took coolers to FedEx
1430 - Returned to FWDA and assisted team at TMW-11
1645 - Off site

~~Red/Alison
10/10/18~~

Team 3 - DAVE + George 10/11/18
390 - cloudy - scattered light rain
Equipment - YSI, control box, water level meter, converter, nitro tanks
Plan - low flow sample BMW-02 + TMW-08
0700 - arrive at FWDA for safety meeting and mob.
0730 - left trailer for wells
0753 - arrived at BMW-02
1214 - Depart well, all samples taken
1224 - Arrive at TMW-08
1300 - sample time at TMW-08
1400 - Returned to trailer to prep coolers.
1530 - Clean-up trailer
1600 - off site

~~Red/Alison
10/11/18~~

Team 3 - DAVE + George 10/12/18
37° - partly cloudy
Equipment: YSI, control box, converter, nitro tanks, water level meter
Plan: low flow TMW-40D then TMW-32
0700 - arrive at FWD for safety mtg and prep.
0730 - left trailer for wells
0745 - arrived at TMW-40D
0820 - Sample time at TMW-40D
Note: front loader idling upwind
0920 - Arrived at TMW-32
1000 - Sample time at TMW-32
1125 - Arrived at TMW-06
(picked up one of the wells from another group)
1150 - Sample time at TMW-06
1300 - returned to trailer and pump coolers.
1600 - delivered coolers to FedEx and off site for week

10/12/18
[Signature]

Team 3 - DAVE + George 10/15/18
32° - cloudy, windy
Equipment - YSI, control box, converter, large nitro tanks, water level meter, poly tank
Plan - low flow TMW-14A and Bennett TMW-23 + 24.
0700 - arrive at FWD for safety meeting and day prep
0800 - left trailer for wells
0815 - arrived at TMW-14A
0930 - Sample at TMW-14A.
1000 - TMW-24 is having tubing replaced and could not be pumped.
1130 - Given a new well to low-flow TMW-13.
1200 - Arrived at TMW-13
1225 - Sample time at TMW-13
1300 - Returned to trailer, packed coolers and bailed BGMW-09 (see Team 2 book for notes)
1600 - off site

10/15/18
[Signature]

Team 3 - Dave + George 10/16/18
36°, windy, partly cloudy
Equipment - PSI, water level meter, nitro
tanks, control box, converter
Plan: low flow TMW 31D + TMW 43.
If TMW-23/24 are ready we
would purge.

0700: on-site for safety meeting
PSI prep, and field prep.

0750: depart trailer

0800: arrived at TMW 43

1115: finished sampling at TMW-43

1130: Arrived at TMW-31D

1235: sample time at TMW-31D

1400: Dropped off samples at trailer and
left for MW-23.

1430: arrived at MW-23, but forgot
forms, connector, and water level meter.
John and Beth retrieved these
items for us.

1500 - started purging water

1600 - pump stopped. We adjusted
the PSI and it started working
again. Put PSI at 80 psi and
then brought it back down.

1700 - pump stopped again. Would
not restart by adjusting PSI.
Mak said to stop pumping
and wrap up for the day.

1800 - Finished dumping. Diw and
demobed for the day.
Departed off-site

10/16/18 *[Signature]*

Team 3 - Dave + George 10/17/18
36°, partly cloudy.
Equipment - PSI, water level meter(2), nitro
tanks, converter

Plan: Bail as much as we can from
BGMW-09, Bennett pump
MW-24, finish purging MW-23

0700: Arrive at trailer for safety
meeting and prep.

0754: departed for BGMW-09

0805: Arrived at BGMW-09. Depth
to water was 184.33 ft btoe.
Bailed approx. 1/3 of a barrel.
Added to pitail sample.

0845: Arrived at MW-24

0855: Sample time at MW-24. Well
functioned very well.

1040: Arrived at MW-23 to finish
purge and sample.
Had various issues with the
pump. Pumped stopped multiple
times. Made adjustments to PSI
and that usually worked. We
never got above 3L/min. We
also had a leak in the connection
to the nitrogen tank, we switched
1205: ~~tanks~~ switched tanks (before
we knew about leak).

1215: We were able to sample at
1215. Ran out of Nitrogen at
around 1230 and Mak brought
us another tank and a new
connector and regulator. Pump
still did not function properly
(next)

continue from previous page 10/17/18 (cont)

Pump continued to sputter and varied its flow. We made multiple adjustments to PSI and got various flow rates around 1 L/min. We were able to complete sample collection; however, it should be noted that something is not right with the pump. Possible leak down in the well? We could not keep a consistent flow rate and could not get the pump to work as it has in the past.

1400 - Returned to the trailer to help package coolers.

1510 - Arrived at TMW-37 to purge

1515 - TMW-37 Dry

1555 - Arrived at TMW-36 to purge

1625 - Ran out of Nitrogen

1630 - Mike brought nitro and back to purging.

1650 - TMW-36 Dry

1750 - Took nitro to another team and then dump it and put things away.

1800 - Off site

[Signature]
10/17/18

Team 3 - Dave + George 10/18/18

37°, breezy, partly cloudy

Equipment - PSI, water level meter, nitrogen tanks, regulator

Plan: Bail partial sample from BG MW-08, Bennett pump sample TMW-19, TMW-18, TMW-36, and TMW-37

0700 - Arrive at trailer for safety briefing and day prep

0740 - Left trailer and arrived at BG MW-08

0750 - Bailed 1/2 L from BG MW-08

0810 - Arrived at TMW-19

0830 - Sample time at TMW-19. Tubing would not go back down well. We had to bend the end down into the casing. Also, trouble getting water level meter down.

0843 - Arrived at TMW-18

0900 - Sample time at TMW-18 - just enough water

0916 - Arrived at TMW-37

0930 - Sample time at TMW-18

0945 - Arrive at TMW-36

1000 - Sample time at TMW-36

1030 - assisted Beth purge TMW-16.

1130 - returned to trailer and left to assist Luke + George

Grounds purge TMW-38

1430 - Returned to trailer and helped clean

[Signature] 10/18/18

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Appendix B
Groundwater Sampling Field Data Sheets

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SAMPLE ID(s):	BGMW02102018	DUPLICATE/MATRIX SPIKE SAMPLE ID(s):	BGMW02102018MS, BGMW02102018MSD
SAMPLE DATE:	10/11/2018	SAMPLE TYPE:	Grab
SAMPLE TIME:	0910	SAMPLE MATRIX:	Groundwater
SAMPLING METHOD:	Low flow by dedicated Blatypus pneumatic pump		FIELD PARAMETERS: See last measurement
SAMPLER'S NAMES:	Dave Larsen, George Garner		
WEATHER & NOTES:	50F, windy, partly		

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Sundance Consulting, Inc. – April 2020

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[illegible]

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[illegible]

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 Sundance Consulting Inc.	PROJECT NUMBER US01027-0002AG		WELL ID MW22D		LOCATION: Northern Area Alluvial DESCRIPTION: North of Well TMW33				
	GROUNDWATER SAMPLING FIELD DATA SHEET								
	FORT WINGATE DEPOT ACTIVITY								
	PURGE TEAM NAMES: Ryan Wortman, Kachina Ganz								
	PURGE WEATHER (wind/temp): Sunny, 40F, no wind								
OTHER NOTABLE FIELD CONDITIONS: N/A									
INITIAL DEPTH TO WATER		PURGE VOLUME CALCULATION		TOTAL DEPTH		SCREENED INTERVAL		RECOMMENDED PUMP SETTINGS	
43.5 ft btoc		5 gal		58.7 ft		48 - 58 ft		30 psi, 4 on, 21 off, 110 mL/min	
METHOD OF PURGING: BEST low flow				INITIAL ORGANIC VAPOR READINGS: N/A				ACTUAL FIELD PUMP SETTINGS	
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation pond								30 psi, 4 on, 21 off, 117 mL/min	
MONITORING EQUIPMENT USED: YSI ProDSS									
Well Purging Information									
Date 10/12/2018	DTW (ft)	Total volume (L)	± 10% Temp (°C)	± 10% or <1 DO (mg/L)	± 10% Conductivity (mS/cm)	± 0.5 pH	± 10 ORP (mV)	± 10% or <1 Turbidity (NTU)	Remarks (color, odor, sheen, sediment, etc.)
0815	43.50	0.00	-	-	-	-	-	-	117 mL/min
0819	43.61	1.0	13.9	4.45	8.443	7.06	186.6	4.23	Clear
0825	43.61	2.0	14.1	0.93	5.599	7.06	183.8	28.63	
0830	43.61	3.0	14.2	0.55	5.051	7.06	185	14.16	
0832	43.61	-	14.1	0.49	4.996	7.06	185.4	6.09	
0834	43.61	-	14.1	0.41	4.937	7.07	148.9	5.54	
0836	43.61	-	14.2	0.35	4.884	7.06	163.1	7.10	
0838	43.61	-	14.2	0.30	4.845	7.06	166.1	9.77	
0840	43.61	5.0	14.2	0.25	4.810	7.06	168.1	9.70	
0842	43.61	-	14.2	0.24	4.781	7.05	169	7.52	
0844	43.61	-	14.3	0.18	4.750	7.05	171.1	9.69	
0846	43.61	-	14.20	0.16	4.7	7.05	172.1	12.74	
0848	43.61	-	14.30	0.13	4.71	7.05	173.2	14.45	
0850	43.61	7.00	14.2	0.110	5	7.06	145.1	17.9	
0852	43.61	-	14.2	0.090	5	7.05	153.5	27.08	
0854	43.61	-	14.2	0.05	4.66	7.05	157.1	6.75	
0856	43.61	-	14.3	0.04	4.65	7.05	158.8	6.59	
0858	43.61	-	14.3	0.02	4.63	7.05	160.6	4.36	
0900	43.61	9	14.3	0.01	4.62	7.05	162.2	4.59	
0902	43.61	-	14.3	0.00	4.61	7.05	163.5	4.7	Sample
Sample Information									
SAMPLE ID(s):		MW22D102018		DUPLICATE/MATRIX SPIKE SAMPLE ID(s):			MW22D102018MS, MW22D102018MSD		
SAMPLE DATE:		10/12/2018					SAMPLE TYPE: Grab		
SAMPLE TIME:		0905					SAMPLE MATRIX: Groundwater		
SAMPLING METHOD: Low flow by dedicated Blatypus pneumatic pump						FIELD PARAMETERS: See last measurement			
SAMPLER'S NAMES: Ryan Wortman, McKenzie Booth, Kachina Ganz									
WEATHER & NOTES: Sunny, 40F, no wind									
Collected?	No.	Sample Containers Volume/Type		Preservatives (ice, acids, bases, others)		Analytical Method		Laboratory	
Yes	3	40-ml glass VOA		HCl		VOCs EPA8260C		Test America- St Louis	
Yes	3	40-ml glass VOA		HCl		TPH-GRO EPA 8015C		Test America-Denver	
Yes	2	500-ml Amber glass		ice		Explosives EPA 8330B		Test America-Denver	
Yes	1	500-ml Poly		ice		NO2/NO3 EPA 9056		Test America-Denver	
Yes	1	500-ml Poly		HNO3		Tot. Metals 6010C/6020A/7470A		Test America-Denver	
Yes	1	500-ml Poly		HNO3 - Field Filter		Dis. Metals 6010C/6020A/7470A		Test America-Denver	
Yes	1	125-ml Poly w/Syringe		ice - Field Filter		Perchlorate EPA 6860		Test America-Denver	
Yes	2	1-L Amber glass		ice		SVOCs EPA 8270D		Test America-Denver	
Yes	2	1-L Amber glass		ice		Pesticides EPA 8081A		Test America-Denver	
Yes	2	1-L Amber glass		ice		TPH-DRO EPA 8015C		Test America-Denver	

Final Revision 1 Groundwater Periodic Monitoring Report, July-December 2018
Fort Wingate Depot Activity - New Mexico

 Sundance Consulting Inc.	PROJECT NUMBER US01027-0002AG		WELL ID MW23		LOCATION: Northern Area Alluvial DESCRIPTION: East, past wash, south of I-40 (~50 meters)				
	GROUNDWATER SAMPLING FIELD DATA SHEET								
	FORT WINGATE DEPOT ACTIVITY								
	PURGE TEAM NAMES: Dave Larsen, George Garner								
PURGE WEATHER (wind/temp): 41 F, rain, wind									
OTHER NOTABLE FIELD CONDITIONS: New tubing									
INITIAL DEPTH TO WATER		PURGE VOLUME CALCULATION		TOTAL DEPTH		SCREENED INTERVAL		RECOMMENDED PUMP SETTINGS	
11.5 ft btoc		104 gal		134 ft		65.5-135.5 ft		45 psi	
METHOD OF PURGING: 3 Casing volumes / Bennett				INITIAL ORGANIC VAPOR READINGS: N/A				ACTUAL FIELD PUMP SETTINGS 50 psi , 1L/min	
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation pond									
MONITORING EQUIPMENT USED: YSI ProDSS									
Well Purging Information									
Date 10/16/2018 Time	DTW (ft)	Total volume (L)	± 10% Temp (°C)	± 10% or <1 DO (mg/L)	± 10% Conductivity (mS/cm)	± 0.5 pH	± 10 ORP (mV)	± 10% or <1 Turbidity (NTU)	Remarks (color, odor, sheen, sediment, etc.)
1500	36.20	4.00	12.0	0.14	1.994	8.06	-155.6	127.20	80 psi, 4 L/min
1510	55.50	40.0	12.3	-0.01	1.955	7.84	-157.5	75.20	
1520	77.76	80.0	12.2	-0.07	1.941	7.86	-149.5	175.20	
1525	82.10	100.0	12.2	0.02	1.939	7.89	-134.5	336.10	Change to 55 psi, 1.5 L/min.
1528	-	104.5	12.0	0.18	1.940	7.90	-122.5	105.60	
1533	-	109.5	12.0	0.16	1.948	7.90	-145.2	14.08	50 psi, 1 L/min.
1548	-	124.5	12.3	-0.09	1.945	7.84	-151	13.00	Back to 80 psi
1605	105.51	160.0	12.0	0.16	1.938	7.85	-125.1	90.28	58 psi, 1L/min.
1620	105.51	175.0	12.0	1.64	1.924	7.94	-92.4	110.58	Pump stopped temporarily
1645	116.51	212.50	12.2	2.92	1.908	7.95	-56.4	39.70	
1705	105.51	242.50	-	-	-	-	-	-	Set to 60 psi, 1.5 L/min
10/17/18 1043	-	248.70	-	-	-	-	-	-	
1055	73.69	285.00	12.30	0.14	1.88	7.83	-42	29.08	Pump issues
1110	73.75	322.00	12.3	0.000	2	7.87	-66.7	167.1	Stopped again
1140	77.55	355.00	12.3	-0.070	2	7.85	-90.1	242.97	Pump stopped at 1100. Restarted.
1210	90.01	402	12.6	0.76	1.90	7.83	-48.1	37.35	90 psi, 1.2 L/min
1211	90.01	-	12.4	0.35	1.89	7.81	-52.4	25.48	
1212	90.01	405	12.4	0.31	1.88	7.81	-51.5	34.23	
1213	-	-	12.4	0.29	1.88	7.80	-52.5	31.23	55 psi, 1.5 L/min
1214	-	408.00	12.4	0.26	1.88	7.80	-53.9	33.55	
1215	-	-	-	-	-	-	-	-	Sample
Sample Information									
SAMPLE ID(s):		MW23102018		DUPLICATE/MATRIX SPIKE SAMPLE ID(s):		MW23102018MS, MW23102018MSD, MW23102018FD			
SAMPLE DATE:		10/17/2018				SAMPLE TYPE: Grab			
SAMPLE TIME:		1215				SAMPLE MATRIX: Groundwater			
SAMPLING METHOD: Dedicated Bennett Pump						FIELD PARAMETERS: See last measurement			
SAMPLER'S NAMES: Dave Larsen, George Garner									
WEATHER & NOTES: 41 F, breezy, partly cloudy									
Collected?	No.	Sample Containers Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method				Laboratory	
Yes	3	40-ml glass VOA	HCl	VOCs EPA8260C				Test America- St Louis	
Yes	2	500-ml Amber glass	ice	Explosives EPA 8330B				Test America-Denver	
Yes	1	500-ml Poly	ice	NO2/NO3 EPA 9056				Test America-Denver	
Yes	1	500-ml Poly	HNO3	Tot. Metals 6010C/6020A/7470A				Test America-Denver	
Yes	1	500-ml Poly	HNO3 - Field Filter	Dis. Metals 6010C/6020A/7470A				Test America-Denver	
Yes	1	125-ml Poly w/Syringe	ice - Field Filter	Perchlorate EPA 6860				Test America-Denver	
Yes	2	1-L Amber glass	ice	SVOCs EPA 8270D				Test America-Denver	
Yes	2	1-L Amber glass	ice	Pesticides EPA 8081A				Test America-Denver	

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Sundance Consulting, Inc. – April 2020

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[illegible]

 Sundance Consulting Inc.	PROJECT NUMBER US01027-0002AG		WELL ID TMW26		LOCATION: Northern Area Alluvial DESCRIPTION: W of guard shack; right next to PZ04				
	GROUNDWATER SAMPLING FIELD DATA SHEET								
	FORT WINGATE DEPOT ACTIVITY								
	PURGE TEAM NAMES: George Garner, Dave Larsen								
PURGE WEATHER (wind/temp): 10-15 mph, sunny, 50F									
OTHER NOTABLE FIELD CONDITIONS: N/A									
INITIAL DEPTH TO WATER 28.11 ft btoc		PURGE VOLUME CALCULATION 9 gal		TOTAL DEPTH 58.2 ft		SCREENED INTERVAL 47.7 - 57.7 ft		RECOMMENDED PUMP SETTINGS 8 on, 20 off, 40 psi, 270 mL/min	
METHOD OF PURGING: BEST low flow				INITIAL ORGANIC VAPOR READINGS: N/A				ACTUAL FIELD PUMP SETTINGS	
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation pond								8 on, 20 off, 40 psi, 270 ml/min	
MONITORING EQUIPMENT USED: YSI ProDSS									
Well Purging Information									
Date 10/10/2018 Time	DTW (ft)	Total volume (L)	± 10% Temp (°C)	± 10% or <1 DO (mg/L)	± 10% Conductivity (mS/cm)	± 0.5 pH	± 10 ORP (mV)	± 10% or <1 Turbidity (NTU)	Remarks (color, odor, sheen, sediment, etc.)
0955	28.11	0.50	12.5	0.55	3.555	7.96	-83.5	32.05	
0958	28.08	1.3	12.4	0.32	3.568	7.92	-70.2	50.07	
1001	28.11	2.1	12.5	0.46	3.557	7.92	-51.4	85.54	
1004	28.10	2.9	12.4	0.35	3.523	7.93	-41.4	105.52	
1007	28.10	3.7	12.4	0.32	3.516	7.93	-30	145.90	
1010	28.11	4.6	12.5	0.35	3.508	7.92	-22.9	175.98	
1013	28.11	5.4	12.5	0.38	3.506	7.92	-20.6	137.45	
1016	28.11	6.2	12.4	0.34	3.513	7.92	-18.2	144.12	
1019	28.13	7.0	12.4	0.31	3.504	7.92	-12.8	153.71	
1022	28.12	7.79	12.5	0.39	3.498	7.98	-8.2	13.97	
1025	28.12	8.60	12.4	0.27	3.490	7.92	-5.7	29.46	
1028	28.13	9.41	12.40	0.30	3.5	7.92	-3	50.09	
1031	28.13	10.22	12.50	0.31	3.48	7.92	-0.4	73.07	
1034	28.13	11.03	12.5	0.380	4	7.92	1.6	88.89	
1037	28.13	11.84	12.4	0.540	4	7.92	2.6	30.4	
1040	28.14	12.65	12.3	0.40	3.52	7.92	2.5	85.09	
1043	28.14	13.46	12.3	0.53	3.52	7.92	3.1	24.31	
1045	-	-	-	-	-	-	-	-	Sample (Ok'd by Mac)
Sample Information									
SAMPLE ID(s):		TMW26102018		DUPLICATE/MATRIX SPIKE SAMPLE ID(s):		TMW26102018FD			
SAMPLE DATE:		10/10/2018		SAMPLE TYPE:		Grab			
SAMPLE TIME:		1045		SAMPLE MATRIX:		Groundwater			
SAMPLING METHOD: Low flow by dedicated Blatypus pneumatic pump				FIELD PARAMETERS: See last measurement					
SAMPLER'S NAMES: Dave Larsen, George Garner									
WEATHER & NOTES: Windy, 50F									
Collected?	No.	Sample Containers Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method				Laboratory	
Yes	3	40-ml glass VOA	HCl	VOCs EPA8260C				Test America-St Louis	
Yes	2	500-ml Amber glass	ice	Explosives EPA 8330B				Test America-Denver	
Yes	1	500-ml Poly	ice	NO2/NO3 EPA 9056				Test America-Denver	
Yes	1	500-ml Poly	HNO3	Tot. Metals 6010C/6020A/7470A				Test America-Denver	
Yes	1	500-ml Poly	HNO3 - Field Filter	Dis. Metals 6010C/6020A/7470A				Test America-Denver	
Yes	1	125-ml Poly w/Syringe	ice - Field Filter	Perchlorate EPA 6860				Test America-Denver	

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 Sundance Consulting Inc.	PROJECT NUMBER US01027-0002AG		WELL ID TMW40S		LOCATION: Northern Area Alluvial DESCRIPTION: East of TNT leaching beds				
	GROUNDWATER SAMPLING FIELD DATA SHEET FORT WINGATE DEPOT ACTIVITY								
	PURGE TEAM NAMES: Luke Beasley, Kristin Garza								
	PURGE WEATHER (wind/temp): 48F, cloudy, light breeze								
OTHER NOTABLE FIELD CONDITIONS: N/A									
INITIAL DEPTH TO WATER		PURGE VOLUME CALCULATION		TOTAL DEPTH		SCREENED INTERVAL		RECOMMENDED PUMP SETTINGS	
60.88 ft btoc		1 gal		62 ft		52.6 - 62.6 ft		Bail	
METHOD OF PURGING: Casing volume / Bail				INITIAL ORGANIC VAPOR READINGS: N/A				ACTUAL FIELD PUMP SETTINGS	
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation pond								Bail	
MONITORING EQUIPMENT USED: YSI ProDSS									
Well Purging Information									
Date 10/8/2018 Time	DTW (ft)	Total volume (L)	± 10% Temp (°C)	± 10% or <1 DO (mg/L)	± 10% Conductivity (mS/cm)	± 0.5 pH	± 10 ORP (mV)	± 10% or <1 Turbidity (NTU)	Remarks (color, odor, sheen, sediment, etc.)
1335	-	0.50	12.6	6.05	4.295	7.45	239.6	389.45	
1339	-	1.3	12.6	4.75	4.362	7.82	228.2	271.08	
1342	61.52	-	-	-	-	-	-	-	
1344	-	1.9	12.5	5.78	4.371	7.91	220.1	202.75	
1345	-	2.2	-	-	-	-	-	-	
1347	-	2.4	-	-	-	-	-	-	
1348	-	2.6	-	-	-	-	-	-	
1350	-	2.8	12.5	5.07	4.380	7.95	205.1	339.62	
1352	62.08	-	-	-	-	-	-	-	
-	-	3.00	-	-	-	-	-	-	TD 62.80
1356	-	3.20	-	-	-	-	-	-	
1357	-	3.30	-	-	-	-	-	-	
1358	62.22	3.40	-	-	-	-	-	-	
1359	-	3.50	-	-	-	-	-	-	
10/9/18 0900	61.57	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	
10/10/18 0900	61.52	-	-	-	-	-	-	-	Partial sample
-	-	-	-	-	-	-	-	-	
10/11/18 1005	61.47	-	-	-	-	-	-	-	Partial sample
10/12/18 0737	61.51	-	-	-	-	-	-	-	Partial sample
Sample Information									
SAMPLE ID(s):		TMW40S102018		DUPLICATE/MATRIX SPIKE SAMPLE ID(s):			NONE		
SAMPLE DATE:		10/9/2018		SAMPLE TYPE:			Grab		
SAMPLE TIME:		0905		SAMPLE MATRIX:			Groundwater		
SAMPLING METHOD: Hand bail				FIELD PARAMETERS: See last measurement					
SAMPLER'S NAMES: Luke Beasley, Kristin Garza									
WEATHER & NOTES: 41F, Cloudy									
Collected?	No.	Sample Containers Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method		Laboratory			
Yes	3	40-ml glass VOA	HCl	VOCs	EPA8260C	Test America-St Louis			
Yes	2	500-ml Amber glass	ice	Explosives	EPA 8330B	Test America-Denver			
Yes	1	500-ml Poly	ice	NO2/NO3	EPA 9056	Test America-Denver			
Yes	1	500-ml Poly	HNO3	Tot. Metals	6010C/6020A/7470A	Test America-Denver			
Yes	1	500-ml Poly	HNO3 - Field Filter	Dis. Metals	6010C/6020A/7470A	Test America-Denver			
Yes	1	125-ml Poly w/Syringe	ice - Field Filter	Perchlorate	EPA 6860	Test America-Denver			
Yes	2	1-L Amber glass	ice	SVOCs	EPA 8270D	Test America-Denver			
Yes	2	1-L Amber glass	ice	Pesticides	EPA 8081A	Test America-Denver			

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 Sundance Consulting Inc.	PROJECT NUMBER US01027-0002AG		WELL ID BGMW08		LOCATION: Northern Area Bedrock DESCRIPTION: East of administration area, east of TMW24				
	GROUNDWATER SAMPLING FIELD DATA SHEET FORT WINGATE DEPOT ACTIVITY								
	PURGE TEAM NAMES: Dave Larsen, George Garner								
	PURGE WEATHER (wind/temp): Partly cloudy, 50° F, wind 10 mph OTHER NOTABLE FIELD CONDITIONS: N/A								
INITIAL DEPTH TO WATER		PURGE VOLUME CALCULATION		TOTAL DEPTH		SCREENED INTERVAL		RECOMMENDED PUMP SETTINGS	
168.66 ft btoc		6 gal		186.6 ft		165-185 ft			
METHOD OF PURGING: Casing Volume / Bail				INITIAL ORGANIC VAPOR READINGS: N/A				ACTUAL FIELD PUMP SETTINGS	
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation pond								Bail	
MONITORING EQUIPMENT USED: YSI ProDSS									
Well Purging Information									
Date 10/8/2018	DTW (ft)	Total volume (L)	± 10% Temp (°C)	± 10% or <1 DO (mg/L)	± 10% Conductivity (mS/cm)	± 0.5 pH	± 10 ORP (mV)	± 10% or <1 Turbidity (NTU)	Remarks (color, odor, sheen, sediment, etc.)
1425	168.66	-	-	-	-	-	-	-	
1436	-	1.0	13.9	3.71	14.285	7.67	54.3	4.60	Clear
1452	-	3.5	13.0	3.70	13.531	7.64	187.2	348.63	Cloudy/silty
1502	-	7.5	12.7	1.88	14.060	7.53	104.8	533.47	Very silty
1515	-	12.5	12.5	1.55	14.273	7.56	51.2	671.65	"
1524	177.65	15.0	-	-	-	-	-	-	-
1530	-	16.5	13.3	2.55	14.570	7.61	-8.2	996.03	Very silty
1540	-	20.0	13.0	3.32	15.148	7.70	-107.7	488.63	Silty/slight odor (sulfur)
1555	183.81	22.5	-	-	-	-	-	-	Strong sulphur smell
1600	-	23.00	13.3	2.28	15.302	7.75	134.6	447.87	Strong order
1607	184.90	-	-	-	-	-	-	-	Dry
10/9/2018									
0955	182.94	-	-	-	-	-	-	-	
10/10/2018									
0827	185.31	-	-	-	-	-	-	-	Partial sample
10/11/2018									
0750	185.56	-	-	-	-	-	-	-	Partial sample 1L
43385									
0830	185.54	-	-	-	-	-	-	-	
Sample Information									
SAMPLE ID(s):		BGMW08102018				DUPLICATE/MATRIX SPIKE SAMPLE ID(s):		NONE	
SAMPLE DATE:		10/9/2018				SAMPLE TYPE:		Grab	
SAMPLE TIME:		1000				SAMPLE MATRIX:		Groundwater	
SAMPLING METHOD:		Hand bail				FIELD PARAMETERS:		See last measurement	
SAMPLER'S NAMES: Ryan Wortman, Kachina Ganz									
WEATHER & NOTES: Cloudy, light wind, brown/black cloudy water, sulfur smell									
Collected?	No.	Sample Containers Volume/Type		Preservatives (ice, acids, bases, others)		Analytical Method		Laboratory	
Yes	3	40-ml glass VOA		HCl		VOCs EPA8260C		Test America- St Louis	
Yes	2	500-ml Amber glass		ice		Explosives EPA 8330B		Test America-Denver	
Yes	1	500-ml Poly		ice		NO2/NO3 EPA 9056		Test America-Denver	
Yes	1	500-ml Poly		HNO3		Tot. Metals 6010C/6020A/7470A		Test America-Denver	
Yes	1	500-ml Poly		HNO3 - Field Filter		Dis. Metals 6010C/6020A/7470A		Test America-Denver	
Yes	1	125-ml Poly w/Syringe		ice - Field Filter		Perchlorate EPA 6860		Test America-Denver	
Yes	2	1-L Amber glass		ice		SVOCs EPA 8270D		Test America-Denver	
Yes	2	1-L Amber glass		ice		Pesticides EPA 8081A		Test America-Denver	
Yes	2	1-L Amber glass		ice		PCBs EPA 8082A		Test America-Denver	
Yes	2	1-L Amber glass		ice		Herbicides EPA 8151A		Test America-Denver	



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Final Revision 1 Groundwater Periodic Monitoring Report, July-December 2018
Fort Wingate Depot Activity - New Mexico

 Sundance Consulting Inc.	PROJECT NUMBER US01027-0002AG		WELL ID BGMW09		LOCATION: Northern Area Bedrock DESCRIPTION: East of administration area, east of TMW45				
	GROUNDWATER SAMPLING FIELD DATA SHEET								
	FORT WINGATE DEPOT ACTIVITY								
	PURGE TEAM NAMES: Luke Beasley, Kristin Garza, George Garner								
PURGE WEATHER (wind/temp): 45F sunny with clouds									
OTHER NOTABLE FIELD CONDITIONS: N/A									
INITIAL DEPTH TO WATER		PURGE VOLUME CALCULATION		TOTAL DEPTH		SCREENED INTERVAL		RECOMMENDED PUMP SETTINGS	
47.25 ft btoc		27 gal		137.8 ft		106-136 ft			
METHOD OF PURGING: Casing Volume / Reclaimer				INITIAL ORGANIC VAPOR READINGS: N/A				ACTUAL FIELD PUMP SETTINGS	
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation pond								Reclaimer	
MONITORING EQUIPMENT USED: YSI ProDSS									
Well Purging Information									
Date 10/9/2018 Time	DTW (ft)	Total volume (L)	± 10% Temp (°C)	± 10% or <1 DO (mg/L)	± 10% Conductivity (mS/cm)	± 0.5 pH	± 10 ORP (mV)	± 10% or <1 Turbidity (NTU)	Remarks (color, odor, sheen, sediment, etc.)
1433	47.25	1.00	12.6	3.16	4.874	8.54	128	37.88	Sheen on water
1438	56.90	-	-	-	-	-	-	-	
1446	71.25	-	12.4	2.04	5.029	8.51	2.5	88.70	4 gal.
1501	95.50	-	13.1	3.31	5.021	8.41	38	76.52	9 gal.
1520	108.15	-	13.5	3.19	4.996	8.45	40.9	83.20	14 gal.
1540	120.90	-	12.2	3.43	4.819	8.60	45.8	160.63	19 gal.
1551	127.55	-	12.2	3.27	5.069	8.46	9.6	289.02	24 gal.
1600	-	-	12.1	3.36	5.072	8.53	-69	225.42	29 gal.
10/10/18									
0801	131.67	-	-	-	-	-	-	-	Sputtering air, no more water
0845	-	-	12.0	5.40	5.203	8.02	188.2	2970.84	
10/11/18									
0830	134.40	-	-	-	-	-	-	-	Collected remaining partial
10/12/18									
0815	133.95	-	-	-	-	-	-	-	
10/15/18									
1449	127.34	1.5	12.3	7.06	11.68	8.50	51.9	34.87	Begin purge
1509	-	7	12.4	7.31	11.82	8.42	76.5	705.14	
1528	137.25	17	12.1	6.73	11.20	8.50	37	2260.14	Dry < 2ft
Sample Information									
SAMPLE ID(s):		BGMW09102018		DUPLICATE/MATRIX SPIKE SAMPLE ID(s):		BGMW09102018FD			
SAMPLE DATE:		10/10/2018				SAMPLE TYPE: Grab			
SAMPLE TIME:		0809				SAMPLE MATRIX: Groundwater			
SAMPLING METHOD: Hand bail		FIELD PARAMETERS: See last measurement							
SAMPLER'S NAMES: Luke Beasley, Kristin Garza									
WEATHER & NOTES: 45F, sunny, windy									
Collected?	No.	Sample Containers Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method		Laboratory			
Yes	3	40-ml glass VOA	HCl	VOCs	EPA8260C	Test America- St Louis			
Yes	2	500-ml Amber glass	ice	Explosives	EPA 8330B	Test America-Denver			
Yes	1	500-ml Poly	ice	NO2/NO3	EPA 9056	Test America-Denver			
Yes	1	500-ml Poly	HNO3	Tot. Metals	6010C/6020A/7470A	Test America-Denver			
Yes	1	500-ml Poly	HNO3 - Field Filter	Dis. Metals	6010C/6020A/7470A	Test America-Denver			
Yes	1	125-ml Poly w/Syringe	ice - Field Filter	Perchlorate	EPA 6860	Test America-Denver			
Yes	2	1-L Amber glass	ice	SVOCs	EPA 8270D	Test America-Denver			
Yes	2	1-L Amber glass	ice	Pesticides	EPA 8081A	Test America-Denver			
Yes	2	1-L Amber glass	ice	PCBs	EPA 8082A	Test America-Denver			
Yes	2	1-L Amber glass	ice	Herbicides	EPA 8151A	Test America-Denver			



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PROJECT NUMBER US01027-0002AG		WELL ID TMW14A		LOCATION: Northern Area Bedrock DESCRIPTION: South, in the same field as TMW 11 & TMW17			
GROUNDWATER SAMPLING FIELD DATA SHEET FORT WINGATE DEPOT ACTIVITY							
PURGE TEAM NAMES: Dave Larsen, George Garner							
PURGE WEATHER (wind/temp): 32F, cloudy, wind (~10mph from southwest)							
OTHER NOTABLE FIELD CONDITIONS: N/A							
PURGE VOLUME CALCULATION		TOTAL DEPTH		SCREENED INTERVAL		RECOMMENDED PUMP SETTINGS	
14 gal		112.1 ft		96.2 - 111.2 ft		50 psi, 9 sec on, 55 sec off, 78 mL/min	
BESST low flow		INITIAL ORGANIC VAPOR READINGS: N/A				ACTUAL FIELD PUMP SETTINGS	
E WATER: Discharged to evaporation pond		50 psi, 9 sec on, 55 sec off, 90 mL/min					
USED: YSI ProDSS							
Well Purging Information							
Total volume (L)	± 10% Temp (°C)	± 10% or <1 DO (mg/L)	± 10% Conductivity (mS/cm)	± 0.5 pH	± 10 ORP (mV)	± 10% or <1 Turbidity (NTU)	Remarks (color, odor, sheen, sediment, etc.)
0.30	9.2	2.49	4.278	8.56	-157	1.62	
0.6	9.5	1.48	4.249	8.69	-166.1	1.12	
0.8	9.5	1.38	4.250	8.72	-155.1	1.02	
1.1	9.6	1.38	4.248	8.74	-149.7	1.05	
1.4	9.7	1.39	4.258	8.76	-143.4	1.53	
1.7	9.7	1.40	4.258	8.77	-139.2	2.22	
1.9	9.4	1.36	4.271	8.79	-137.5	4.81	
2.2	9.5	1.36	4.278	8.79	-138.9	6.83	
2.5	9.5	1.35	4.272	8.79	-139.1	8.04	
2.73	9.5	1.32	4.277	8.79	-141.7	12.04	
3.00	9.6	1.31	4.276	8.81	-145	17.13	
3.54	9.70	1.28	4.3	8.79	-146.9	22.78	
4.08	9.70	1.24	4.29	8.80	-148.7	30.11	
4.62	9.9	1.180	4	8.80	-151.5	31.46	
4.89	9.9	1.150	4	8.80	-152.5	34.24	
5.16	10	1.14	4.29	8.80	-153.1	36.21	
5.43	10	1.11	4.29	8.80	-153.8	39.11	
-	-	-	-	-	-	-	Sample
Sample Information							
MW14A102018		DUPLICATE/MATRIX SPIKE SAMPLE ID(s):				NONE	
10/15/2018						SAMPLE TYPE: Grab	
0930						SAMPLE MATRIX: Groundwater	
Flow by dedicated ZIST sample system						FIELD PARAMETERS: See last measurement	
Larsen, George Garner							
cloudy, wind ~10 mph							
Sample Containers Volume/Type		Preservatives (ice, acids, bases, others)		Analytical Method		Laboratory	
glass VOA		HCl		VOCs EPA8260C		Test America-St Louis	
Amber glass		ice		Explosives EPA 8330B		Test America-Denver	
Poly		ice		NO2/NO3 EPA 9056		Test America-Denver	
Poly		HNO3		Tot. Metals 6010C/6020A/7470A		Test America-Denver	
Poly		HNO3 - Field Filter		Dis. Metals 6010C/6020A/7470A		Test America-Denver	
Amber glass		ice		SVOCs EPA 8270D		Test America-Denver	



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 Sundance Consulting Inc.	PROJECT NUMBER US01027-0002AG		WELL ID TMW31D		LOCATION: Northern Area Bedrock DESCRIPTION:				
	GROUNDWATER SAMPLING FIELD DATA SHEET								
	FORT WINGATE DEPOT ACTIVITY								
	PURGE TEAM NAMES: Dave Larsen, George Garner								
PURGE WEATHER (wind/temp): 40F, cloudy, windy									
OTHER NOTABLE FIELD CONDITIONS: N/A									
INITIAL DEPTH TO WATER		PURGE VOLUME CALCULATION		TOTAL DEPTH		SCREENED INTERVAL		RECOMMENDED PUMP SETTINGS	
41.31 ft btoc		20 gal		107.3 ft		78.5 - 108.5 ft		5 sec on, 21 sec off, 55 psi, 200 mL/min	
METHOD OF PURGING: BEST low flow				INITIAL ORGANIC VAPOR READINGS: N/A				ACTUAL FIELD PUMP SETTINGS	
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation pond								5 sec on, 21 sec off, 55 psi, 200 ml/min	
MONITORING EQUIPMENT USED: YSI ProDSS									
Well Purging Information									
Date 10/16/2018 Time	DTW (ft)	Total volume (L)	± 10% Temp (°C)	± 10% or <1 DO (mg/L)	± 10% Conductivity (mS/cm)	± 0.5 pH	± 10 ORP (mV)	± 10% or <1 Turbidity (NTU)	Remarks (color, odor, sheen, sediment, etc.)
1135	41.54	0.20	12.2	1.12	3.529	7.81	-66.7	3.75	
1138	41.51	0.8	12.1	0.32	4.896	7.92	-137.6	2.40	
1141	41.51	1.4	12.0	0.16	4.585	8.06	-144.8	1.52	
1144	41.51	2.0	12.0	0.10	4.323	8.10	-142	1.38	
1147	41.54	2.6	12.1	0.07	3.871	8.14	-135.8	1.47	
1150	41.54	3.2	12.0	0.05	3.416	8.08	-118.3	2.80	
1153	41.56	3.8	12.0	0.05	3.134	7.90	-102.2	3.89	
1156	41.56	4.4	12.1	0.12	3.008	7.81	-89.9	5.06	
1159	41.56	5.0	12.0	0.23	2.940	7.76	-73.4	6.55	
1202	41.56	5.60	12.1	0.35	2.910	7.73	-55.4	8.51	
1205	41.56	6.20	12.1	0.40	2.901	7.73	-47.3	9.74	
1208	41.56	6.80	12.10	0.51	2.9	7.70	-32.3	9.92	
1211	41.56	7.40	12.10	0.56	2.88	7.69	-27.4	10.96	
1214	41.56	8.00	12.2	0.670	3	7.66	-17.1	13.14	
1217	41.56	8.60	12.2	0.720	3	7.65	-6.4	8.41	
1220	41.56	9.2	12.2	0.74	2.86	7.65	-1.3	9.48	
1223	41.56	9.8	12.1	0.78	2.86	7.64	6.7	12.69	
1226	41.56	10.4	12.1	0.80	2.85	7.64	12.1	16.61	ORP and NTU would not stabilize
1229	41.56	11	12.1	0.81	2.85	7.64	16.1	6.94	
1232	41.56	11.60	12.1	0.82	2.85	7.64	20.1	8.16	
1235	41.56	-	-	-	-	-	-	-	Sample
Sample Information									
SAMPLE ID(s):		TMW31D102018		DUPLICATE/MATRIX SPIKE SAMPLE ID(s):		TMW31D102018FD			
SAMPLE DATE:		10/16/2018				SAMPLE TYPE: Grab			
SAMPLE TIME:		1235				SAMPLE MATRIX: Groundwater			
SAMPLING METHOD: Low flow by dedicated Blatypus pneumatic pump						FIELD PARAMETERS: See last measurement			
SAMPLER'S NAMES: Dave Larsen, George Garner									
WEATHER & NOTES: 38F, cloudy, windy									
Collected?	No.	Sample Containers Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method				Laboratory	
Yes	3	40-ml glass VOA	HCl	VOCs EPA8260C				Test America-St Louis	
Yes	2	500-ml Amber glass	ice	Explosives EPA 8330B				Test America-Denver	
Yes	1	500-ml Poly	ice	NO2/NO3 EPA 9056				Test America-Denver	
Yes	1	500-ml Poly	HNO3	Tot. Metals 6010C/6020A/7470A				Test America-Denver	
Yes	1	500-ml Poly	HNO3 - Field Filter	Dis. Metals 6010C/6020A/7470A				Test America-Denver	
Yes	1	125-ml Poly w/Syringe	ice - Field Filter	Perchlorate EPA 6860				Test America-Denver	
Yes	2	1-L Amber glass	ice	SVOCs EPA 8270D				Test America-Denver	
Yes	2	1-L Amber glass	ice	Pesticides EPA 8081A				Test America-Denver	



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Final Revision 1 Groundwater Periodic Monitoring Report, July-December 2018
Fort Wingate Depot Activity - New Mexico

 Sundance Consulting Inc.	PROJECT NUMBER US01027-0002AG		WELL ID TMW38		LOCATION: Northern Area Bedrock DESCRIPTION: Southeast of Gate 51				
	GROUNDWATER SAMPLING FIELD DATA SHEET								
	FORT WINGATE DEPOT ACTIVITY								
	PURGE TEAM NAMES: Rachel Hobbs, Kachina Ganz								
PURGE WEATHER (wind/temp): Windy, high 30s									
OTHER NOTABLE FIELD CONDITIONS: Near TNT beds, very dusty									
INITIAL DEPTH TO WATER		PURGE VOLUME CALCULATION		TOTAL DEPTH		SCREENED INTERVAL		RECOMMENDED PUMP SETTINGS	
49.92 ft btoc		55 gal		162 ft		21.4 - 161.4 ft		40 psi, 4 sec on, 64 sec off	
METHOD OF PURGING: ~~BEST low flow~~ Grundfos				INITIAL ORGANIC VAPOR READINGS: N/A				ACTUAL FIELD PUMP SETTINGS	
DISPOSITION OF DISCHARGE WATER: Discharged to evaporation pond								Grundfos 193 Hz	
MONITORING EQUIPMENT USED: YSI ProDSS									
Well Purging Information									
Date 10/17/2018 Time	DTW (ft)	Total volume (L)	± 10% Temp (°C)	± 10% or <1 DO (mg/L)	± 10% Conductivity (mS/cm)	± 0.5 pH	± 10 ORP (mV)	± 10% or <1 Turbidity (NTU)	Remarks (color, odor, sheen, sediment, etc.)
0824	50.30	0.00	9.0	5.38	6.825	8.49	197.5	9.61	64 off, 4 on
0833	50.45	0.4	7.3	3.58	6.900	8.45	59.8	8.51	3 on, 75 off, 50 ml/min
0840	50.50	0.7	6.8	2.96	7.096	8.38	-46.2	12.41	2.5 on, 80 off
0847	50.59	0.8	6.7	2.00	8.191	8.31	-102.5	31.25	20 ml/min
0900	50.70	1.0	7.0	1.63	9.906	8.27	-110.6	56.04	2 on, 84 off
0915	50.81	1.0	6.7	1.25	10.241	8.29	-108.7	45.50	2 on, 90 off
0930	-	-	-	-	-	-	-	-	2 on, 100 off
-	-	-	-	-	-	-	-	-	Abandoned sampling, pulled pump
1631	50.21	3.00	12.0	2.24	5.524	8.49	-135.4	381.46	Begin purging, black/cloudy
1637	62.34	14.00	11.4	6.08	2.797	8.56	-35.7	93.05	Pump not working properly
-	-	-	-	-	-	-	-	-	Stop purging
10/18/2018									
1148	51.06	-	-	-	-	-	-	-	
1200	56.50	2.2	12.5	3.34	2.51	8.49	96.6	53.76	2.2 L/min
1205	70.20	11	13.2	2.53	2.61	8.53	65.6	75.08	(-195 Hz)
1210	78.40	22	13.6	2.35	2.60	8.53	48.7	60.11	
1220	95.01	44	14.1	1.34	2.61	8.56	22.5	83.41	
1230	109.30	66.00	14.8	1.66	2.62	8.56	9.5	78.22	Continued on next sheet
Sample Information									
SAMPLE ID(s):		TMW38102018		DUPLICATE/MATRIX SPIKE SAMPLE ID(s):		NONE			
SAMPLE DATE:		10/19/2018		SAMPLE TYPE:		Grab			
SAMPLE TIME:		0738		SAMPLE MATRIX:		Groundwater			
SAMPLING METHOD:		~~Low flow by dedicated Dlatypus pneumatic pump~~		Hand bail		FIELD PARAMETERS: See last measurement			
SAMPLER'S NAMES: Luke Beasley, Kristin Garza									
WEATHER & NOTES: 36F Sunny									
Collected?	No.	Sample Containers Volume/Type	Preservatives (ice, acids, bases, others)	Analytical Method		Laboratory			
Yes	3	40-ml glass VOA	HCl	VOCs	EPA8260C	Test America-St Louis			
Yes	2	500-ml Amber glass	ice	Explosives	EPA 8330B	Test America-Denver			
Yes	1	500-ml Poly	ice	NO2/NO3	EPA 9056	Test America-Denver			
Yes	1	500-ml Poly	HNO3	Tot. Metals	6010C/6020A/7470A	Test America-Denver			
Yes	1	500-ml Poly	HNO3 - Field Filter	Dis. Metals	6010C/6020A/7470A	Test America-Denver			
Yes	1	125-ml Poly w/Syringe	ice - Field Filter	Perchlorate	EPA 6860	Test America-Denver			
Yes	2	1-L Amber glass	ice	SVOCs	EPA 8270D	Test America-Denver			
Yes	2	1-L Amber glass	ice	Pesticides	EPA 8081A	Test America-Denver			

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Appendix C
Equipment Calibration Logs

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YSI ID #: 6287

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Groundwater YSI Calibration and Calibration Check Sheet

YSI ID #: 6179

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Sundance Consulting, Inc. - April 2020

YSI ID #: 5004

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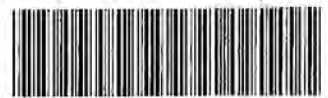
Appendix D
Data Quality Assessment Reports

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Appendix D
Attachment 1
Chain-of-Custody Forms

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4.6, 0.9, 2.9 9 + 0.7 by AP 10/9/18

COC ID: FWDAA082018		TURNAROUND TIME: 15 days		RUSH:															
PROJECT/CLIENT INFO				LABORATORY		OTHER INFO													
Facility Name	Fort Wingate Depot Activity			Lab Name	TestAmerica-Denver		Shipping Date	10/08/2018											
Project	GW Monitoring			Lab Contact	Michelle Johnston		Shipping Company	FEDEX											
Sampling Company	Sundance Consulting, Inc.			Email	michelle.johnston@testamericainc.com		Possible Hazard ID	Unknown											
Address	8210 Louisiana Blvd. NE, Suite C			Address	4955 Yarrow St.		Sample Disposal	Active 60 days after invoice											
City	Albuquerque	State	NM	City	Arvada	State	CO	Cooler Count	3										
Postal Code	87113			Postal Code	80002														
Phone Number	505-835-7660			Phone Number	303-736-0100														
Project Manager	Beth Davis																		
Phone Number	505-417-4553																		
SAMPLE DETAILS							ANALYSIS REQUESTED												
Sample ID	Date	Time (24hr)	G=Grab C=Comp	Matrix	Sample Type	Number of Containers	ICE	ICE	HCL	ICE	F	HNO3	HNO3	ICE	ICE	F	ICE	ICE	ICE
QC08102018EB	10/8/2018	0745	G	WQ	EB	15	2	2	3	0	1	1	1	0	1	1	2	2	2
QC08102018EB2	10/8/2018	0745	G	WQ	EB2	14	0	2	0	2	1	1	1	2	1	2	2	2	
QC08102018TBGRO	10/8/2018	0745	G	WQ	TBGRO	2			2										
							 280-115249 Chain of Custody												
ADDITIONAL COMMENTS/SPECIAL INSTRUCTIONS							RELINQUISHED BY		DATE		ACCEPTED BY		DATE/TIME						
							[Signature]		10/08/2018		[Signature]		10/9/18 0845						
COMPANY							Sundance Consulting Inc.		COMPANY		TA DENVER		Security Seals Intact			YES			
													Cooler Temps Acceptable			YES			

4.6, 0.9, 2.9, 9 to 0.7 by AP 10/9/18

[illegible]

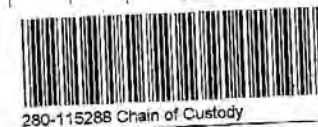
Sundance Consulting Inc.		COC ID: FWDAOct092018		TURNAROUND TIME: 15 days		RUSH:										
Facility Name: Fort Wingate Depot Activity		Lab Name: TestAmerica-Denver		Shipping Date: 10/09/2018												
Project: GW Monitoring		Lab Contact: Michelle Johnston		Shipping Company: FEDEX												
Sampling Company: Sundance Consulting, Inc.		Email: michelle.johnston@testamericainc.com		Possible Hazard ID: Unknown												
Address: 8210 Louisiana Blvd. NE, Suite C		Address: 4955 Yarrow St.		Sample Disposal: Active 60 days after invoice												
City: Albuquerque State: NM		City: Arvada State: CO		Cooler Count: 6												
Postal Code: 87113		Postal Code: 80002														
Phone Number: 505-835-7660		Phone Number: 303-736-0100														
Project Manager: Beth Davis																
Phone Number: 505-417-4553																
Sample ID	Date	Time (24hr)	G=Grab C=Comp	Matrix	Sample Type	Number of Containers	Explosives	Metals-Dissolved	Metals-Total	Nitrate/Nitrites	Perchlorate	Pesticides	SVOCs	DRO	GRO	
BGMW01102018	10/9/2018	0910	G	WG	N	10	2	1	1	1	1	2	2			
FW31102018	10/9/2018	0806	G	WG	N	9	2	1	1	1		2	2			
MW01102018	10/9/2018	0840	G	WG	N	13	2	1	1	1	1	2		2	3	
MW02102018	10/9/2018	0800	G	WG	N	9 82	2	1	1	1	1	2		2	3	
QC09102018EB	10/9/2018	1145	G	WQ	EB	15	2	1	1	1	1	2	2	2	3	
TMW21102018	10/9/2018	0915	G	WG	N	6	2	1	1	1	1					
TMW28102018	10/9/2018	1100	G	WG	N	3		1	1	1						
TMW29102018	10/9/2018	0950	G	WG	N	6	2	1	1	1	1					
TMW40S102018	10/9/2018	0905	G	WG	N	13	2			1						
QC09102018BTB60	10/9/18	0715	G	WG	TB60	2									2	
Sundance Consulting Inc.							Security Seals Intact		Cooler Temps Acceptable							

2.7, 4.9, 1.8, 2.4, 1.4, 1.0 9 to 0.7 by AP 10/10/18

Sundance Consulting Inc.		COC ID: FWDAOct092018		TURNAROUND TIME: 15 days		RUSH:										
Facility Name: Fort Wingate Depot Activity		Lab Name: TestAmerica-Denver		Shipping Date: 10/09/2018												
Project: GW Monitoring		Lab Contact: Michelle Johnston		Shipping Company: FEDEX												
Sampling Company: Sundance Consulting, Inc.		Email: michelle.johnston@testamericainc.com		Possible Hazard ID: Unknown												
Address: 8210 Louisiana Blvd. NE, Suite C		Address: 4955 Yarrow St.		Sample Disposal: Active 60 days after invoice												
City: Albuquerque State: NM		City: Arvada State: CO		Cooler Count: 6												
Postal Code: 87113		Postal Code: 80002														
Phone Number: 505-835-7660		Phone Number: 303-736-0100														
Project Manager: Beth Davis																
Phone Number: 505-417-4553																
Sample ID	Date	Time (24hr)	G=Grab C=Comp	Matrix	Sample Type	Number of Containers	Explosives	Metals-Dissolved	Metals-Total	Nitrate/Nitrites	Perchlorate	Pesticides	SVOCs	DRO	GRO	
BGMW01102018	10/9/2018	0910	G	WG	N	10	2	1	1	1	1	2	2			
FW31102018	10/9/2018	0806	G	WG	N	9	2	1	1	1		2	2			
MW01102018	10/9/2018	0840	G	WG	N	13	2	1	1	1	1	2		2	3	
MW02102018	10/9/2018	0800	G	WG	N	9 822	2	1	1	1	1	2		2	3	
QC09102018EB	10/9/2018	1145	G	WQ	EB	15	2	1	1	1	1	2	2	2	3	
TMW21102018	10/9/2018	0915	G	WG	N	6	2	1	1	1	1					
TMW28102018	10/9/2018	1100	G	WG	N	3		1	1	1						
TMW29102018	10/9/2018	0950	G	WG	N	6	2	1	1	1	1					
TMW40S102018	10/9/2018	0905	G	WG	N	13	2			1						
QC09102018BTB60	10/9/18	0715	G	WG	TB60	2									2	
Sundance Consulting Inc.							Security Seals Intact		Cooler Temps Acceptable							

2.7, 4.9, 1.8, 2.4, 1.4, 1.0 9 to 0.7 by AP 10/10/18

Sundance Consulting Inc.										
COC ID: BGMWOct092018				TURNAROUND TIME: 15 days				RUSH:		
FROM: CLIENT INFO				TO: LABORATORY				OTHER INFO		
Facility Name: Fort Wingate Depot Activity				Lab Name: TestAmerica-Denver				Shipping Date: 10/09/2018		
Project: BGW Monitoring				Lab Contact: Michelle Johnston				Shipping Company: FEDEX		
Sampling Company: Sundance Consulting, Inc.				Email: michelle.johnston@testamericainc.com				Possible Hazard ID: Unknown		
Address: 8210 Louisiana Blvd. NE, Suite C				Address: 4955 Yarrow St.				Sample Disposal: Active 60 days after invoice		
City: Albuquerque State: NM				City: Arvada State: CO				Cooler Count: 1		
Postal Code: 87113				Postal Code: 80002						
Phone Number: 505-835-7660				Phone Number: 303-736-0100						
Project Manager: Beth Davis										
Phone Number: 505-417-4553										
SAMPLE DETAILS							ANALYSIS REQUESTED			
Sample ID	Date	Time (24hr)	G=Grab C=Comp	Matrix	Sample Type	Number of Containers	F HNO3	F HNO3	F ICE	F ICE
BGMW08102018	10/9/2018	1000	G	WG	N	4	1	1	1	1
ADDITIONAL COMMENTS/SPECIFIC INSTRUCTIONS: 1.6°C 10/9/2018							DATE FINISHED BY: <i>[Signature]</i> 10/09/2018			
							ACCEPTED BY: <i>[Signature]</i> 10/10/18 0900			
COMPANY: Sundance Consulting Inc.							COMPANY:			
							Security Seals Intact			
							Cooler Temps Acceptable			



COC ID:		FWDAOct092018_STL		TURNAROUND TIME: 15 days		RUSH:					
PROJECT/CLIENT INFO				LABORATORY		OTHER INFO					
Facility Name	Fort Wingate Depot Activity			Lab Name	TestAmerica-St. Louis		Shipping Date	10/09/2018			
Project	GW Monitoring			Lab Contact	Michelle Johnston		Shipping Company	FEDEX			
Sampling Company	Sundance Consulting, Inc.			Email	michelle.johnston@testamericainc.com		Possible Hazard ID	Unknown			
Address	8210 Louisiana Blvd. NE, Suite C			Address	13715 Rider Trail North		Sample Disposal	Active 60 days after invoice			
City	Albuquerque	State	NM	City	Earth City	State	MO	Cooler Count	1		
Postal Code	87113			Postal Code	63045-1205						
Phone Number	505-835-7660			Phone Number	314-298-8566						
Project Manager	Beth Davis										
Phone Number	505-417-4553										
SAMPLE DETAILS				ANALYSIS REQUESTED							
Sample ID	Date	Time (24hr)	G=Grab C=Comp	Matrix	Sample Type	Number of Containers	Filtered - F: Field, L: Lab, FL: Field & Lab, N: None				
BGMW01102018	10/9/2018	0910	G	WG	N	3	HCL				
FW31102018	10/9/2018	0806	G	WG	N	3					
MW01102018	10/9/2018	0840	G	WG	N	3					
MW02102018	10/9/2018	0800	G	WG	N	3					
QC08102018EB	10/8/2018	0745	G	WQ	EB	6					
QC08102018TB	10/8/2018	0745	G	WQ	TB	2					
QC09102018EB	10/9/2018	1145	G	WQ	EB	3					
QC09102018TB	10/9/2018	0716	G	WQ	TB	2					
QC09102018TBGRO	10/9/2018	0715	G	WQ	TBGRO	2					
TMW21102018	10/9/2018	0915	G	WG	N	3					
ADDITIONAL COMMENTS/SPECIAL INSTRUCTIONS				RELINQUISHED BY		DATE	ACCEPTED BY		DATE/TIME		
				[Signature]		10/09/2018	[Signature]		10-10-18/0946		
COMPANY		Sundance Consulting Inc.				COMPANY					
						Security Seals Intact					
						Cooler Temps Acceptable					

COC ID:		BGMWOct092018_STL		TURNAROUND TIME:		15 days		RUSH:				
PROJECT/CLIENT INFO						LABORATORY			OTHER INFO			
Facility Name		Fort Wingate Depot Activity				Lab Name		TestAmerica-St. Louis				
Project		BGW Monitoring				Lab Contact		Michelle Johnston				
Sampling Company		Sundance Consulting, Inc.				Email		michelle.johnston@testamericainc.com				
Address		8210 Louisiana Blvd. NE, Suite C				Address		13715 Rider Trail North				
City		Albuquerque		State	NM	City		Earth City	State	MO		
Postal Code		87113				Postal Code		63045-1205				
Phone Number		505-835-7660				Phone Number		314-298-8566				
Project Manager		Beth Davis										
Phone Number		505-417-4553										
SAMPLE DETAILS						ANALYSIS REQUESTED						
Sample ID	Date	Time (24hr)	G=Grab C=Comp	Matrix	Sample Type	Number of Containers	HCL					
							VOCs					
BGMW08102018	10/9/2018	1000	G	WG	N	3	3					
QC08102018BGMW TB	10/8/2018	0745	G	WQ	BGMW TR	2	2					
QC08102018EB2	10/8/2018	0745	G	WQ	EB	3	3					
QC09102018BGMW TB	10/9/2018	0717	G	WQ	BGMW TR	2	2					
ADDITIONAL COMMENTS/SPECIAL INSTRUCTIONS						RELINQUISHED BY	DATE	ACCEPTED BY	DATE/TIME			
						<i>[Signature]</i>	10/09/2018	<i>[Signature]</i>	10-10-18/0945			
COMPANY		Sundance Consulting Inc.				COMPANY						
						Security Seals Intact						
						Cooler Temps Acceptable						

Revised
10/10/18 *219*

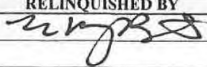
Sundance Consulting Inc.		COC ID: FWDAOct102018 - REV 1		TURNAROUND TIME: 15 days		RUSH:	
PROJECT/CLIENT INFO				LABORATORY		OTHER INFO	
Facility Name		Fort Wingate Depot Activity		Lab Name		TestAmerica-Denver	
Project		GW Monitoring		Lab Contact		Michelle Johnston	
Sampling Company		Sundance Consulting, Inc.		Email		michelle.johnston@testamericainc.com	
Address		8210 Louisiana Blvd. NE, Suite C		Address		4955 Yarrow St.	
City		Albuquerque		City		Arvada	
State		NM		State		CO	
Postal Code		87113		Postal Code		80002	
Phone Number		505-835-7660		Phone Number		303-736-0100	
Project Manager		Beth Davis					
Phone Number		505-417-4553					
SAMPLE DETAILS				ANALYSIS REQUESTED			
 280-115376 Chain of Custody				ORDERED - # Field, In Lab, The First In Lab, On Site			
Sample ID	Date	Time (24hr)	G=Grab C=Comp	Matrix	Sample Type	Number of Containers	
BGMW03102018	10/10/2018	1027	G	WG	N	10	
MW02102018	10/9/2018	0800	G	WG	N	4	
MW18D102018	10/10/2018	1149	G	WG	N	11	
QC10102018TBGRO	10/10/2018	0801	G	WQ	TBGRO	2	
TMW07102018	10/10/2018	0915	G	WG	N	7	
TMW10102018	10/10/2018	1205	G	WG	N	6	
TMW26102018	10/10/2018	1045	G	WG	N	6	
TMW26102018FD	10/10/2018	1045	G	WQ	FD	6	
TMW27102018	10/10/2018	0915	G	WG	N	3	
TMW33102018	10/10/2018	0944	G	WG	N	10	
ADDITIONAL COMMENTS/SPECIAL INSTRUCTIONS				RELINQUISHED BY:		DATE:	
				<i>[Signature]</i>		10/10/2018	
				ACCEPTED BY:		DATE/TIME	
				<i>[Signature]</i>		10/11/18 0910	
COMPANY:				COMPANY:		Security Seals Intact	
Sundance Consulting Inc.				Sundance Consulting Inc.		Cooler Temps Acceptable	
						5, 2, 0, 2, -03, 4, 3, 1, 5, 3, 5, 2, 9, 10, 7 <i>[Signature]</i>	

Revised 10/10/18 mg

Sundance Consulting Inc.		COC ID: FWDAOct102018 - REV 1		TURNAROUND TIME: 15 days		RUSH:	
PROJECT/CLIENT INFO				LABORATORY		OTHER INFO	
Facility Name: Fort Wingate Depot Activity				Lab Name: TestAmerica-Denver		Shipping Date: 10/10/2018	
Project: GW Monitoring				Lab Contact: Michelle Johnston		Shipping Company: FEDEX	
Sampling Company: Sundance Consulting, Inc.				Email: michelle.johnston@testamericainc.com		Possible Hazard ID: Unknown	
Address: 3210 Louisiana Blvd. NE, Suite C				Address: 4955 Yarrow St.		Sample Disposal: Active 60 days after invoice	
City: Albuquerque State: NM				City: Arvada State: CO		Cooler Count:	
Postal Code: 87113				Postal Code: 80002			
Phone Number: 505-835-7660				Phone Number: 303-736-0100			
Project Manager: Beth Davis							
Phone Number: 505-417-4553							
SAMPLE DETAILS				ANALYSIS REQUESTED			
Sample ID	Date	Time (24hr)	G=Grab C=Comp	Matrix	Sample Type	Number of Containers	ANALYSIS
TMW40S102018	10/9/2018	0905	G	WG	N	3	Explosives
TMW46102018	10/10/2018	1103	G	WG	N	10	Metals-Dissolved
							Metals-Total
							Nitrate/Nitrites
							Perrchlorate
							Pesticides
							SVOCs
							DRG
							GRO
ADDITIONAL COMMENTS/SPECIAL INSTRUCTIONS				RELINQUISHED BY		DATE	ACCEPTED BY
						10/10/2018	<i>[Signature]</i>
							10/11/18 0900
COMPANY				Sundance Consulting Inc.		COMPANY	
						Security Seals Intact	
						Cooler Temps Acceptable	

COC ID: FWDAOct102018		TURNAROUND TIME: 15 days		RUSH:											
PROJECT/CLIENT INFO				LABORATORY		OTHER INFO									
Facility Name	Fort Wingate Depot Activity			Lab Name	TestAmerica-Denver		Shipping Date	10/10/2018							
Project	GW Monitoring			Lab Contact	Michelle Johnston		Shipping Company	FEDEX							
Sampling Company	Sundance Consulting, Inc.			Email	michelle.johnston@testamericainc.com		Possible Hazard ID	Unknown							
Address	8210 Louisiana Blvd. NE, Suite C			Address	4955 Yarrow St.		Sample Disposal	Active 60 days after invoice							
City	Albuquerque	State	NM	City	Arvada	State	CO	Cooler Count	7						
Postal Code	87113			Postal Code	80002										
Phone Number	505-835-7660			Phone Number	303-736-0100										
Project Manager	Beth Davis														
Phone Number	505-417-4553														
SAMPLE DETAILS							ANALYSIS REQUESTED								
Sample ID	Date	Time (24hr)	G=Grab C=Comp	Matrix	Sample Type	Number of Containers	Explosives	Metals-Dissolved	Metals-Total	Nitrate/Nitrites	Pesticides	SVOCs	DRO	GRO	Entered: Y: Field, L: Lab, F: Field & Lab, N: None
BGMW03102018	10/10/2018	1027	G	WG	N	10	2	1	1	1	2	2			
MW02102018	10/9/2018	0800	G	WG	N	4					2		2		
MW18D102018	10/10/2018	1149	G	WG	N	11	2	1	1	1			2	3	
QC10102018TBGRO	10/10/2018	0801	G	WQ	TBGRO	2								2	
TMW07102018	10/10/2018	0915	G	WG	N	7	2	1	1	1		2			
TMW10102018	10/10/2018	1205	G	WG	N	6	2	1	1	1					
TMW26102018	10/10/2018	1045	G	WG	N	6	2	1	1	1					
TMW26102018FD	10/10/2018	1045	G	WQ	FD	6	2	1	1	1					
TMW27102018	10/10/2018	0915	G	WG	N	3		1	1	1					
TMW33102018	10/10/2018	0944	G	WG	N	10		1	1	1	X	X	2	2	3
ADDITIONAL COMMENTS/SPECIAL INSTRUCTIONS							RELINQUISHED BY		DATE		ACCEPTED BY		DATE/TIME		
							[Signature]		10/10/2018		[Signature]		10/11/18 0910		
COMPANY Sundance Consulting Inc.							COMPANY		Security Seals Intact						
									Cooler Temps Acceptable						

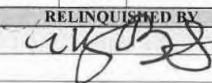
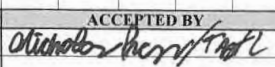
COC ID:		FWDAOct102018		TURNAROUND TIME: 15 days		RUSH:									
PROJECT/CLIENT INFO				LABORATORY		OTHER INFO									
Facility Name	Fort Wingate Depot Activity			Lab Name	TestAmerica-Denver		Shipping Date	10/10/2018							
Project	GW monitoring			Lab Contact	Michelle Johnston		Shipping Company	FEDEX							
Sampling Company	Sundance Consulting, Inc.			Email	michelle.johnston@testamericainc.com		Possible Hazard ID	Unknown							
Address	8210 Louisiana Blvd. NE, Suite C			Address	4955 Yarrow St.		Sample Disposal	Active 60 days after invoice							
City	Albuquerque	State	NM	City	Arvada	State	CO	Cooler Count							
Postal Code	87113			Postal Code	80002										
Phone Number	505-835-7660			Phone Number	303-736-0100										
Project Manager	Beth Davis														
Phone Number	505-417-4553														
SAMPLE DETAILS				ANALYSIS REQUESTED											
Sample ID	Date	Time (24hr)	G=Grab C=Comp	Matrix	Sample Type	Number of Containers	Explosives	Metals-Dissolved	Metals-Total	Nitrate/Nitrites	Percarbonate	Pesticides	SVOCs	DRO	GRO
TMW40S102018	10/9/2018	0905	G	WG	N	3	1	1		1					
TMW46102018	10/10/2018	1103	G	WG	N	10	2	1	1	1	2	2			
ADDITIONAL COMMENTS/SPECIAL INSTRUCTIONS						RELINQUISHED BY	DATE	ACCEPTED BY	DATE/TIME						
							10/10/2018		10/11/18 0910						
COMPANY						Sundance Consulting Inc.				COMPANY					
						Security Seals Intact									
						Cooler Temps Acceptable									

							
COC ID: FWDAOct102018_STL		TURNAROUND TIME: 15 days					
RUSH:							
PROJECT/CLIENT INFO		LABORATORY					
Facility Name: Fort Wingate Depot Activity		Lab Name: TestAmerica-St. Louis					
Project: GW Monitoring		Lab Contact: Michelle Johnston					
Sampling Company: Sundance Consulting, Inc.		Email: michelle.johnston@testamericainc.com					
Address: 8210 Louisiana Blvd. NE, Suite C		Address: 13715 Rider Trail North					
City: Albuquerque State: NM		City: Earth City State: MO					
Postal Code: 87113		Postal Code: 63045-1205					
Phone Number: 505-835-7660		Phone Number: 314-298-8566					
Project Manager: Beth Davis							
Phone Number: 505-417-4553							
SAMPLE DETAILS		ANALYSIS REQUESTED					
		Filtered - F: Field, L: Lab, FL: Field & Lab, N: None					
		HCL					
		ANALYSIS					
		VOCs					
Sample ID	Date	Time (24hr)	G=Grab C=Comp	Matrix	Sample Type	Number of Containers	VOCs
✓ BGMW03102018	10/10/2018	1027	G	WG	N	3	3
✓ MW18D102018	10/10/2018	1149	G	WG	N	3	3
✓ QC10102018TB	10/10/2018	0800	G	WQ	TB	2	2
✓ TMW07102018	10/10/2018	0915	G	WG	N	3	3
✓ TMW10102018	10/10/2018	1205	G	WG	N	3	3
✓ TMW26102018	10/10/2018	1045	G	WG	N	3	3
✓ TMW27102018	10/10/2018	0915	G	WG	N	3	3
✓ TMW33102018	10/10/2018	0944	G	WG	N	3	3
✓ TMW46102018	10/10/2018	1103	G	WG	N	3	3
TMW26102018 FD 10/10/18 1045 G WG FD 3							3
ADDITIONAL COMMENTS/SPECIAL INSTRUCTIONS				RELINQUISHED BY		DATE	ACCEPTED BY
						10/10/2018	Michael Heenan 10/11/18 0855
COMPANY		Sundance Consulting Inc.		COMPANY			
				Security Seals Intact			
				Cooler Temps Acceptable			

Sundance Consulting Inc.		COC ID: FWDAOct112018		TURNAROUND TIME: 15 days		RUSH:										
PROJECT/CLIENT INFO				LABORATORY		OTHER INFO										
Facility Name Fort Wingate Depot Activity				Lab Name TestAmerica-Denver		Shipping Date 10/11/2018										
Project GW Monitoring				Lab Contact Michelle Johnston		Shipping Company FEDEX										
Sampling Company Sundance Consulting, Inc.				Email michelle.johnston@testamericainc.com		Possible Hazard ID Unknown										
Address 8210 Louisiana Blvd. NE, Suite C				Address 4955 Yarrow St.		Sample Disposal Active 60 days after invoice										
City Albuquerque State NM				City Arvada State CO		Cooler Count 11										
Postal Code 87113				Postal Code 80002												
Phone Number 505-835-7660				Phone Number 303-736-0100												
Project Manager Beth Davis																
Phone Number 505-417-4553																
SAMPLE DETAILS				ANALYSIS REQUESTED												
Sample ID	Date	Time (24hr)	G=Grab C=Comp	Matrix	Sample Type	Number of Containers	Filtered - F: Field, L: Lab, FL: Field & Lab, N: None									
							ICE	INOS	ENOS	ICE	ICE	ICE	ICE	HCL	ICE	
							Explosives	Metals-Dissolved	Metals-Total	Nitrate/Nitrites	Percarbonate	Pesticides	SVOCs	GRO	DRO	
BGMW02102018	10/11/2018	0910	G	WG	N	10	2	1	1	1	2	2				
BGMW02102018MS	10/11/2018	0910	G	WQ	MS	10	2	1	1	1	2	2				
BGMW02102018MSD	10/11/2018	0910	G	WQ	MSD	10	2	1	1	1	2	2				
QC11102018TBGRO	10/11/2018	0800	G	WQ	TBGRO	2							2			
TMW08102018	10/11/2018	1300	G	WG	N	11		1	1	1	2		3	2		
TMW11102018	10/11/2018	1220	G	WG	N	6	2	1	1	1						
TMW22102018	10/11/2018	0830	G	WG	N	8	2	1	1	1		2				
TMW23102018	10/11/2018	0800	G	WG	N	8	2	1	1	1	2					
TMW30102018	10/11/2018	1145	G	WG	N	10	2	1	1	1	2	2				
TMW31S102018	10/11/2018	1115	G	WG	N	10	2	1	1	1	2	2				
ADDITIONAL COMMENTS/SPECIAL INSTRUCTIONS							RELINQUISHED BY		DATE		ACCEPTED BY		DATE/TIME			
							<i>[Signature]</i>		10/11/2018		<i>[Signature]</i>		10/12/18 1095			
COMPANY Sundance Consulting Inc.							COMPANY		Security Seals Intact		Cooler Temps Acceptable		0.7, -0.3, 1.1, 0.2, -0.1, 1.8, -0.2 0.4, 0.6, 1.2, -0.4, 0.7 <i>[Signature]</i>			

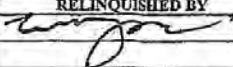
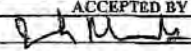
Page 2 of 2

Page 1 of 1

											
COC ID: FWDAOct112018_STL		TURNAROUND TIME: 15 days				RUSH:					
PROJECT/CLIENT INFO						LABORATORY				OTHER INFO	
Facility Name Fort Wingate Depot Activity						Lab Name TestAmerica-St. Louis				Shipping Date 10/11/2018	
Project GW Monitoring						Lab Contact Michelle Johnston				Shipping Company FEDEX	
Sampling Company Sundance Consulting, Inc.						Email michelle.johnston@testamericainc.com				Possible Hazard ID Unknown	
Address 8210 Louisiana Blvd. NE, Suite C						Address 13715 Rider Trail North				Sample Disposal Active 60 days after invoice	
City Albuquerque State NM						City Earth City State MO				Cooler Count 1	
Postal Code 87113						Postal Code 63045-1205					
Phone Number 505-835-7660						Phone Number 314-298-8566					
Project Manager Beth Davis											
Phone Number 505-417-4553											
SAMPLE DETAILS						ANALYSIS REQUESTED					
						Filtered - F: Field, L: Lab, FL: Field & Lab, N: None					
						HCL					
						ANALYSIS					
						VOCs					
Sample ID	Date	Time (24hr)	G=Grab C=Comp	Matrix	Sample Type	Number of Containers					
BGMW02102018	10/11/2018	0910	G	WG	N	3	3				
BGMW02102018MS	10/11/2018	0910	G	WQ	MS	3	3				
BGMW02102018MSD	10/11/2018	0910	G	WQ	MSD	3	3				
QC11102018TB	10/11/2018	0800	G	WQ	TB	2	2				
TMW08102018	10/11/2018	1300	G	WG	N	3	3				
TMW11102018	10/11/2018	1220	G	WG	N	3	3				
TMW22102018	10/11/2018	0830	G	WG	N	3	3				
TMW23102018	10/11/2018	0800	G	WG	N	3	3				
TMW30102018	10/11/2018	1145	G	WG	N	3	3				
TMW31S102018	10/11/2018	1115	G	WG	N	3	3				
ADDITIONAL COMMENTS/SPECIAL INSTRUCTIONS						RELINQUISHED BY		DATE		ACCEPTED BY	
								10/11/2018		 10-12-18/0850	
COMPANY Sundance Consulting Inc.						COMPANY					
								Security Seals Intact			
								Cooler Temps Acceptab			

COC ID: FWDAOct122018		TURNAROUND TIME: 15 days		RUSH:												
PROJECT/CLIENT INFO			LABORATORY		OTHER INFO											
Facility Name	Fort Wingate Depot Activity		Lab Name	TestAmerica-Denver												
Project	GW Monitoring		Lab Contact	Michelle Johnston												
Sampling Company	Sundance Consulting, Inc.		Email	michelle.johnston@testamericainc.com												
Address	8210 Louisiana Blvd. NE, Suite C		Address	4955 Yarrow St.												
City	Albuquerque	State	NM	City	Arvada											
Postal Code	87113			Postal Code	80002											
Phone Number	505-835-7660		Phone Number	303-736-0100												
Project Manager	Beth Davis															
Phone Number	505-417-4553															
SAMPLE DETAILS			ANALYSIS REQUESTED													
Sample ID	Date	Time (24hr)	G=Grab C=Comp	Matrix	Sample Type	Number of Containers	ICE	ICE	HCL	F	F	F	F	F	F	F
							ICE	ICE	HCL	HN03	HN03	ICE	ICE	ICE	ICE	ICE
							DRO	Explosives	GRO	Metals-Dissolved	Metals-Total	Nitrate/Nitrites	Perchlorate	Pesticides	SVOCs	
MW22D102018	10/12/2018	0905	G	WG	N	15	2	2	3	1	1	1	1	2	2	
MW22D102018MS	10/12/2018	0905	G	WQ	MS	15	2	2	3	1	1	1	1	2	2	
MW22D102018MSD	10/12/2018	0905	G	WQ	MSD	15	2	2	3	1	1	1	1	2	2	
SMW01102018	10/12/2018	1157	G	WG	N	8		2		1	1	1	1		2	
TMW03102018	10/12/2018	1230	G	WG	N	8		2		1	1	1	1		2	
TMW06102018	10/12/2018	1150	G	WG	N	7		2		1	1	1			2	
TMW32102018	10/12/2018	1000	G	WG	N	10		2		1	1	1	1	2	2	
TMW40D102018	10/12/2018	0820	G	WG	N	10		2		1	1	1	1	2	2	
TMW40S102018	10/9/2018	0905	G	WG	N	2								1	1	
QC12102018TBGRO	10/12/2018	0800	G	WQ	TB GRO	2			2							
ADDITIONAL COMMENTS/SPECIAL INSTRUCTIONS			RELINQUISHED BY		DATE	ACCEPTED BY		DATE/TIME								
			[Signature]		10/12/2018	[Signature]		10/13/18 0850								
			COMPANY		Sundance Consulting Inc.	COMPANY										
						Security Seals Intact				0.7, 0.6, 1.1, 1.8, 0.16, 0.5, 0.3,						
						Cooler Temps Acceptable		X		3.4, 4.5, 4.7, 2.0, 2.1, 1.4						

Sundance Consulting Inc.		COC ID: BGMWOct122018		TURNAROUND TIME: 15 days		RUSH:													
PROJECT/CLIENT INFO				LABORATORY		OTHER INFO													
Facility Name Fort Wingate Depot Activity				Lab Name TestAmerica-Denver		Shipping Date 10/12/2018													
Project BGW Monitoring				Lab Contact Michelle Johnston		Shipping Company FEDEX													
Sampling Company Sundance Consulting, Inc.				Email michelle.johnston@testamericainc.com		Possible Hazard ID Unknown													
Address 8210 Louisiana Blvd. NE, Suite C				Address 4955 Yarrow St.		Sample Disposal Active 60 days after invoice													
City Albuquerque State NM				City Arvada State CO		Cooler Count 2													
Postal Code 87113				Postal Code 80002															
Phone Number 505-835-7660				Phone Number 303-736-0100															
Project Manager Beth Davis																			
Phone Number 505-417-4553																			
SAMPLE DETAILS				ANALYSIS REQUESTED															
Sample ID	Date	Time (24hr)	G=Grab C=Comp	Matrix	Sample Type	Number of Containers	Filtered - F: Field, L: Lab, F/L: Field & Lab, No Num												
							ICE	ICE	HNOS	HNOS	ICE	ICE	F	ICE	ICE	ICE			
							Explosives	Herbicides	Metals-Dissolved	Metals-Total	Nitrate/Nitrites	PCBs	Perchlorate	Pesticides	SVOCs				
BGMW07102018	10/12/2018	0905	G	WG	N	14	2	2	1	1	1	2	1	2	2				
BGMW08102018	10/9/2018	1000	G	WG	N	1									1				
BGMW09102018FD	10/10/2018	0809	G	WG	FD	2	2												
 280-115532 Chain of Custody																			
ADDITIONAL COMMENTS/SPECIAL INSTRUCTIONS							RELINQUISHED BY		DATE		ACCEPTED BY		DATE/TIME						
							[Signature]		10/12/2018		[Signature] TADEN		10-13-18 0850						
COMPANY							Sundance Consulting Inc.		COMPANY		Security Seals Intact		Cooler Temps Acceptable		0.4, -0.3 to 0.7 127 XFERRED BY KO 10-13-18				

COC ID: FWDAOct152018		TURNAROUND TIME: 15 days		RUSH:											
PROJECT/CLIENT INFO			LABORATORY		OTHER INFO										
Facility Name	Fort Wingate Depot Activity		Lab Name	TestAmerica-Deaver											
Project	GW Monitoring		Lab Contact	Michelle Johnston											
Shipping Company	Sundance Consulting, Inc.		Email	michelle.johnston@testamericainc.com											
Address	8210 Louisiana Blvd, NE, Suite C		Address	4955 Yarrow St.											
City	Albuquerque	State	NM	City	Arvada										
Postal Code	87113		Postal Code	80002											
Phone Number	505-835-7660		Phone Number	303-736-0100											
Project Manager	Beth Davis														
Phone Number	505-417-4553														
SAMPLE DETAILS			ANALYSIS REQUESTED												
 280-115608 Chain of Custody			Filtered - P: Field, L: Lab, FL: Field & Lab, N: None												
Sample ID	Date	Time (24hr)	G=Grab C=Comp	Matrix	Sample Type	Number of Containers	DRO	Explosives	GRO	Metals-Dissolved	Metals-Total	Nitrate/Nitrites	Perchlorate	Pesticides	SVOCs
MW03102018	10/15/2018	1115	G	WG	N	11	2	2	3	1	1	1	1		
MW20102018	10/15/2018	0945	G	WG	N	15	2	2	3	1	1	1	1	2	2
QC15102018TBGRO	10/15/2018	0800	G	WQ	TBGRO	2			2						
TMW01102018	10/15/2018	1320	G	WG	N	6		2		1	1	1	1		
TMW13102018	10/15/2018	1225	G	WG	N	6		2		1	1	1	1		
TMW14A102018	10/15/2018	0930	G	WG	N	7		2		1	1	1		2	
TMW34102018	10/15/2018	1210	G	WG	N	9	2		3	1	1	1	1		
TMW34102018FD	10/15/2018	1210	G	WQ	FD	9	2		3	1	1	1	1		
TMW35102018	10/15/2018	0900	G	WG	N	13	2		3	1	1	1	1	2	2
ADDITIONAL COMMENTS/SPECIAL INSTRUCTIONS			RELINQUISHED BY		DATE	ACCEPTED BY		DATE/TIME							
					10/15/2018			10/16/18 0915							
COMPANY			Sundance Consulting Inc.			COMPANY									
						Security Seals Intact			1,2, 2,8, 1,3, 0,2, D,4, 0,1, 1,0,2 12#0,0,0,7						
						Cooler Temps Acceptable			7/25						

COC ID: FWDAOct152018_STL		TURNAROUND TIME: 15 days		RUSH:													
PROJECT/CLIENT INFO				LABORATORY													
Facility Name Fort Wingate Depot Activity				Lab Name TestAmerica-St. Louis													
Project GW Monitoring				Lab Contact Michelle Johnston													
Sampling Company Sundance Consulting, Inc.				Email michelle.johnston@testamericainc.com													
Address 8210 Louisiana Blvd. NE, Suite C				Address 13715 Rider Trail North													
City Albuquerque State NM				City Earth City State MO													
Postal Code 87113				Postal Code 63045-1205													
Phone Number 505-835-7660				Phone Number 314-298-8566													
Project Manager Beth Davis																	
Phone Number 505-417-4553																	
SAMPLE DETAILS				ANALYSIS REQUESTED													
Sample ID	Date	Time (24hr)	G=Grab C=Comp	Matrix	Sample Type	Number of Containers	VOCs	Filtered - F: Field, L: Lab, FL: Field & Lab, N: None									
✓ MW03102018	10/15/2018	1115	G	WG	N	3	3										
✓ MW20102018	10/15/2018	0945	G	WG	N	3	3										
✓ QC15102018TB	10/15/2018	0800	G	WQ	TB	2	2										
✓ TMW01102018	10/15/2018	1320	G	WG	N	3	3										
✓ TMW13102018	10/15/2018	1225	G	WG	N	3	3										
✓ TMW14A102018	10/15/2018	0930	G	WG	N	3	3										
✓ TMW34102018	10/15/2018	1210	G	WG	N	3	3										
✓ TMW34102018FD	10/15/2018	1210	G	WQ	FD	3	3										
✓ TMW35102018	10/15/2018	0900	G	WG	N	3	3										
ADDITIONAL COMMENTS/SPECIAL INSTRUCTIONS				RELINQUISHED BY		DATE		ACCEPTED BY		DATE/TIME							
				[Signature]		10/15/2018		[Signature]		10-16-18/0945							
COMPANY Sundance Consulting Inc.				COMPANY		Security Seals Intact											
						Cooler Temps Acceptable											

Sundance Consulting Inc.		COC ID: FWDAOct162018		TURNAROUND TIME: 15 days		RUSH:	
PROJECT/CLIENT INFO				LABORATORY		OTHER INFO	
Facility Name Fort Wingate Depot Activity				Lab Name TestAmerica-Denver		Shipping Date 10/16/2018	
Project GW Monitoring				Lab Contact Michelle Johnston		Shipping Company FEDEX	
Sampling Company Sundance Consulting, Inc.				Email michelle.johnston@testamericainc.com		Possible Hazard ID Unknown	
Address 8210 Louisiana Blvd. NE, Suite C				Address 4955 Yarrow St.		Sample Disposal Active 60 days after invoice	
City Albuquerque State NM				City Arvada State CO		Cooler Count 13	
Postal Code 87113				Postal Code 80002			
Phone Number 505-835-7660				Phone Number 303-736-0100			
Project Manager Beth Davis							
Phone Number 505-417-4553							
SAMPLE DETAILS				ANALYSIS REQUESTED			
 280-115652 Chain of Custody				Filtered - P, Field, Lc Lab, FL: Field & Lab, Ni Pione			
				ICE	HNO3	HNO3	ICE
Sample ID	Date	Time (24hr)	G=Grab C=Comp	Matrix	Sample Type	Number of Containers	
TMW02102018	10/16/2018	0912	G	WG	N	6	
TMW04102018	10/16/2018	1240	G	WG	N	8	
TMW15102018	10/16/2018	0920	G	WG	N	8	
TMW15102018FD	10/16/2018	0920	G	WQ	FD	8	
TMW25102018	10/16/2018	0758	G	WG	N	5	
TMW31D102018	10/16/2018	1235	G	WG	N	10	
TMW31D102018FD	10/16/2018	1235	G	WQ	FD	10	
TMW39D102018	10/16/2018	1200	G	WG	N	10	
TMW43102018	10/16/2018	0830	G	WG	N	10	
TMW43102018FD	10/16/2018	0830	G	WQ	FD	10	
ADDITIONAL COMMENTS/SPECIAL INSTRUCTIONS				RELINQUISHED BY		DATE	ACCEPTED BY
				<i>[Signature]</i>		10/16/2018	<i>[Signature]</i>
COMPANY				Sundance Consulting Inc.		COMPANY	
						Security Seals Intact	
						Cooler Temps Acceptable	

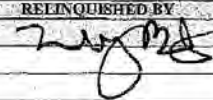
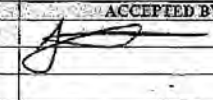
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Sundance Consulting Inc.		COC ID: FWDAOct162018		TURNAROUND TIME: 15 days		RUSH:	
PROJECT/CLIENT INFO				LABORATORY		OTHER INFO	
Facility Name Fort Wingate Depot Activity				Lab Name TestAmerica-Denver		Shipping Date 10/16/2018	
Project GW Monitoring				Lab Contact Michelle Johnston		Shipping Company FEDEX	
Sampling Company Sundance Consulting, Inc.				Email michelle.johnston@testamericainc.com		Possible Hazard ID Unknown	
Address 8210 Louisiana Blvd. NE, Suite C				Address 4955 Yarrow St.		Sample Disposal Active 60 days after invoice	
City Albuquerque State NM				City Arvada State CO		Cooler Count 13	
Postal Code 87113				Postal Code 80002			
Phone Number 505-835-7660				Phone Number 303-736-0100			
Project Manager Beth Davis							
Phone Number 505-417-4553							
SAMPLE DETAILS				ANALYSIS REQUESTED			
 280-115652 Chain of Custody				Filtered - P, Field, Lc Lab, FL: Field & Lab, Ni Pione			
				ICE	HNO3	HNO3	ICE
Sample ID	Date	Time (24hr)	G=Grab C=Comp	Matrix	Sample Type	Number of Containers	
TMW02102018	10/16/2018	0912	G	WG	N	6	
TMW04102018	10/16/2018	1240	G	WG	N	8	
TMW15102018	10/16/2018	0920	G	WG	N	8	
TMW15102018FD	10/16/2018	0920	G	WQ	FD	8	
TMW25102018	10/16/2018	0758	G	WG	N	5	
TMW31D102018	10/16/2018	1235	G	WG	N	10	
TMW31D102018FD	10/16/2018	1235	G	WQ	FD	10	
TMW39D102018	10/16/2018	1200	G	WG	N	10	
TMW43102018	10/16/2018	0830	G	WG	N	10	
TMW43102018FD	10/16/2018	0830	G	WQ	FD	10	
ADDITIONAL COMMENTS/SPECIAL INSTRUCTIONS				RELINQUISHED BY		DATE	ACCEPTED BY
				<i>[Signature]</i>		10/16/2018	<i>[Signature]</i>
COMPANY				Sundance Consulting Inc.		COMPANY	
						Security Seals Intact	
						Cooler Temps Acceptable	

1.0, 2.4, 0.3, 0.3, 0.7, -0.1, 1.6, 3.6, 0.3, 1.3, 2.3, 0.3, 0.1, +0.7, IR 9. xfered by *[Signature]* 10.17.18

[illegible]

[illegible]

Sundance Consulting Inc.		COC ID: FWDAOct172018		TURNAROUND TIME: 15 days		RUSH:											
PROJECT/CLIENT INFO				LABORATORY		OTHER INFO											
Facility Name Fort Wingate Depot Activity				Lab Name TestAmerica-Denver		Shipping Date 10/17/2018											
Project GW Monitoring				Lab Contact Michelle Johnston		Shipping Company FEDEX											
Sampling Company Sundance Consulting, Inc.				Email michelle.johnston@testamericainc.com		Possible Hazard ID Unknown											
Address 8210 Louisiana Blvd. NE, Suite C				Address 4955 Yarrow St.		Sample Disposal Active 60 days after invoice											
City Albuquerque State NM				City Arvada State CO		Cooler Count 40											
Postal Code 87113				Postal Code 80002													
Phone Number 505-835-7660				Phone Number 303-736-0100													
Project Manager Beth Davis																	
Phone Number 505-417-4553																	
SAMPLE DETAILS				ANALYSIS REQUESTED													
Sample ID	Date	Time (24hr)	G=Grab C=Comp	Matrix	Sample Type	Number of Containers	Filter - F: Field, L: Lab, FL: Field & Lab, N: None										
							Explosives	Metals-Dissolved	Metals-Total	Nitrate/Nitrites	Perchlorate	Pesticides	SVOCs				
✓ MW23102018	10/17/2018	1215	G	WG	N	10	2	1	1	1	1	2	2				
✓ MW23102018FD	10/17/2018	1215	G	WQ	FD	10	2	1	1	1	1	2	2				
✓ MW23102018MS	10/17/2018	1215	G	WQ	MS	10	2	1	1	1	1	2	2				
✓ MW23102018MSD	10/17/2018	1215	G	WQ	MSD	10	2	1	1	1	1	2	2				
✓ MW24102018	10/17/2018	0955	G	WG	N	10	2	1	1	1	1	2	2				
✓ MW24102018FD	10/17/2018	0955	G	WQ	FD	10	2	1	1	1	1	2	2				
✓ TMW45102018	10/17/2018	1235	G	WG	N	10	2	1	1	1	1	2	2				
✓ TMW47102018	10/17/2018	1025	G	WG	N	10	2	1	1	1	1	2	2				
✓ TMW49102018	10/17/2018	0900	G	WG	N	10	2	1	1	1	1	2	2				
ADDITIONAL COMMENTS/SPECIAL INSTRUCTIONS				RELINQUISHED BY		DATE	ACCEPTED BY		DATE/TIME		 280-116712 Chain of Custody						
						10/17/2018			10/18/18 0915								
COMPANY				Sundance Consulting Inc.		COMPANY				Security Seals Intact 1,8,6,8,0,2,0,1,0,2,1,1,0,5 Cooler Temps Acceptable 0,7,0,5,0,1,4,0,7,1,0,5,1,0,5							

		Sundance Consulting Inc.	
COC ID: FWDAOct172018 STL		TURNAROUND TIME: 15 days	
PROJECT/CLIENT INFO		LABORATORY	
Facility Name Fort Wingate Depot Activity		Lab Name TestAmerica-St. Louis	
Project GW Monitoring		Lab Contact Michelle Johnston	
Sampling Company Sundance Consulting, Inc.		Email michelle.johnston@testamericainc.com	
Address 8210 Louisiana Blvd. NE, Suite C		Address 13715 Rider Trail North	
City Albuquerque State NM		City Earth City State MO	
Postal Code 87113		Postal Code 63045-1205	
Phone Number 505-835-7660		Phone Number 314-298-8566	
Project Manager Beth Davis			
Phone Number 505-417-4553			
SAMPLE DETAILS		ANALYSIS REQUESTED	
		Filtered - F: Field, L: Lab, FL: Field & Lab, N: None	
		HCL	
		VOCs	
Sample ID	Date	Time (24hr)	G=Grab C=Comp
Matrix	Sample Type	Number of Containers	
✓ MW23102018	10/17/2018	1215	G
✓ MW23102018FD	10/17/2018	1215	G
✓ MW23102018MS	10/17/2018	1215	G
✓ MW23102018MSD	10/17/2018	1215	G
✓ MW24102018	10/17/2018	0955	G
✓ MW24102018FD	10/17/2018	0955	G
✓ QC17102018TB	10/17/2018	0800	G
✓ TMW45102018	10/17/2018	1235	G
✓ TMW47102018	10/17/2018	1025	G
✓ TMW49102018	10/17/2018	0900	G
ADDITIONAL COMMENTS/SPECIAL INSTRUCTIONS		RELINQUISHED BY	
		DATE 10/17/2018	
		ACCEPTED BY	
		DATE/TIME 10/18/18 0900	
			
160-31380 Chain of Custody			
COMPANY Sundance Consulting Inc.		COMPANY	
		Security Seals Intact	
		Cooler Temps Acceptab	

COC ID:		FWDAOct182018		TURNAROUND TIME: 15 days		RUSH:								
PROJECT/CLIENT INFO				LABORATORY		OTHER INFO								
Facility Name	Fort Wingate Depot Activity			Lab Name	TestAmerica-Denver		Shipping Date	10/18/2018						
Project	GW Monitoring			Lab Contact	Michelle Johnston		Shipping Company	FEDEX						
Sampling Company	Sundance Consulting, Inc.			Email	michelle.johnston@testamericainc.com		Possible Hazard ID	Unknown						
Address	8210 Louisiana Blvd. NE, Suite C			Address	4955 Yarrow St.		Sample Disposal	Active 60 days after invoice						
City	Albuquerque	State	NM	City	Arvada	State	CO	Cooler Count	6					
Postal Code	87113			Postal Code	80002									
Phone Number	505-835-7660			Phone Number	303-736-0100									
Project Manager	Beth Davis													
Phone Number	505-417-4553													
SAMPLE DETAILS				ANALYSIS REQUESTED										
Sample ID	Date	Time (24hr)	G=Grab C=Comp	Matrix	Sample Type	Number of Containers	ANALYSIS REQUESTED							
QC19102018EB	10/18/2018	1109	G	WQ	EB	10	Explosives	Metals-Dissolved	Metals-Total	Nitrates/Nitrites	Perochlorate	Pesticides	SVOCs	
TMW17102018	10/18/2018	0920	G	WG	N	4	2	1	1	1	1	2	2	
TMW18102018	10/18/2018	0900	G	WG	N	8	2	1	1	1	1	2	2	
TMW19102018	10/18/2018	0830	G	WG	N	7	2	1	1	1	1	2	2	
TMW24102018	10/18/2018	0910	G	WG	N	8	2	1	1	1	1	2	2	
TMW36102018	10/18/2018	1000	G	WG	N	10	2	1	1	1	1	2	2	
TMW37102018	10/18/2018	0930	G	WG	N	10	2	1	1	1	1	2	2	
ADDITIONAL COMMENTS/SPECIAL INSTRUCTIONS							RELINQUISHED BY		DATE		ACCEPTED BY		DATE/TIME	
							[Signature]		10/18/2018		[Signature]		10/19/18 0920	
COMPANY							Sundance Consulting Inc.		COMPANY		Security Seals Intact		Cooler Temps Acceptable	
											15, 0.6, 0.6, 2.0, 4.0, 2.0, 10.0		[Signature]	

			
COC ID: FWDAOct182018_STL		TURNAROUND TIME: 15 days	
PROJECT/CLIENT INFO		LABORATORY	
Facility Name	Fort Wingate Depot Activity	Lab Name	TestAmerica-St. Louis
Project	GW Monitoring	Lab Contact	Michelle Johnston
Sampling Company	Sundance Consulting, Inc.	Email	michelle.johnston@testamericainc.com
Address	8210 Louisiana Blvd. NE, Suite C	Address	13715 Rider Trail North
City	Albuquerque	City	Earth City
State	NM	State	MO
Postal Code	87113	Postal Code	63045-1205
Phone Number	505-835-7660	Phone Number	314-298-8566
Project Manager	Beth Davis		
Phone Number	505-417-4553		
OTHER INFO			
Shipping Date	10/18/2018	Shipping Company	FEDEX
Possible Hazard ID	Unknown	Sample Disposal	Active 60 days after invoice
Cooler Count	1		
SAMPLE DETAILS		ANALYSIS REQUESTED	
Sample ID	Date	Time (24hr)	G=Grab C=Comp
			Matrix
			Sample Type
			Number of Containers
			VOCs
✓ QCI8102018TB	10/18/2018	0800	G
✓ QCI9102018EB	10/18/2018	1109	G
✓ TMW17102018	10/18/2018	0920	G
✓ TMW18102018	10/18/2018	0900	G
✓ TMW19102018	10/18/2018	0830	G
✓ TMW24102018	10/18/2018	0910	G
✓ TMW36102018	10/18/2018	1000	G
✓ TMW37102018	10/18/2018	0930	G
ADDITIONAL COMMENTS/SPECIAL INSTRUCTIONS		RELINQUISHED BY	
		DATE 10/18/2018	
		ACCEPTED BY	
		DATE/TIME 10-19-18/09a5	
COMPANY		COMPANY	
Sundance Consulting Inc.		Security Seals Intact	
		Cooler Temps Acceptable	

[illegible]

[illegible]

[illegible]

[illegible]

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Appendix D

Attachment 2

**TestAmerica Laboratory Data Output
(Provided as a separate file on DVD)**

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Appendix D

Attachment 3

**Data Validation Reports and Automated Data Review Reference Output Files
by Sample Delivery Group
(Provided as a separate file on DVD)**

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Appendix E
Historical Groundwater Analytical Data
(Provided as a separate file on DVD)

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