



EA Engineering, Science, and Technology, Inc., PBC  
320 Gold Avenue SW, Suite 1300  
Albuquerque, New Mexico 87102  
Phone: (505) 224-9013

June 5, 2019

Mr. Matthew Smith  
New Mexico Environment Department  
Ground Water Quality Bureau  
1190 St. Francis Drive, Suite N2200  
Santa Fe, NM 87505

Dear Mr. Smith:

On behalf of Doña Ana Dairies, Inc., EA Engineering, Science, and Technology, Inc., PBC is submitting this Annual Groundwater Monitoring Report for Doña Ana Dairies located in Mesquite, Vado, and Anthony, New Mexico. The report discusses the annual groundwater sampling event conducted to fulfill requirements of the Stage 2 Abatement Plan for Doña Ana Dairies.

Please let me know if you have any questions regarding the information provided in this report.

Sincerely,

A handwritten signature in black ink, appearing to read 'Gina Mullen', is positioned above the printed name.

Gina Mullen  
Project Manager

A handwritten signature in blue ink, appearing to read 'Jay Snyder', is positioned above the printed name.

Jay Snyder  
Senior Hydrogeologist

Enclosure

Cc: Linda Armstrong, Doña Ana Dairies  
File





**ANNUAL GROUNDWATER  
MONITORING REPORT  
DOÑA ANA DAIRIES  
MESQUITE, NEW MEXICO**

Prepared for:

Doña Ana Dairies  
Mesquite, New Mexico

Prepared by:

EA Engineering, Science,  
and Technology, Inc., PBC  
320 Gold Avenue SW, Suite 1300  
Albuquerque, New Mexico 87102

June 2019

EA Project No. 1464104.05

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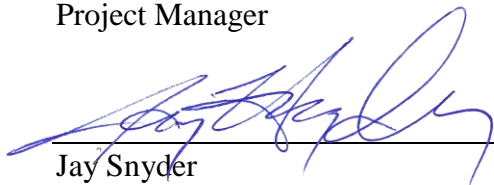
EA Engineering, Science,  
and Technology, Inc., PBC  
320 Gold Avenue SW, Suite 1300  
Albuquerque, New Mexico



Gina Mullen  
Project Manager

06/5/2019

Date



Jay Snyder  
Senior Hydrogeologist

06/5/2019

Date

June 2019

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## 1.0 INTRODUCTION

On behalf of Doña Ana Dairies (Dairies), EA Engineering, Science, and Technology, Inc., PBC (EA) has prepared this Annual Monitoring Report for Doña Ana Dairies located south of Las Cruces, New Mexico (Figure 1). The report was completed in accordance with the Stage 2 Abatement Plan and the Sampling and Analysis Plan, Doña Ana Dairies, Doña Ana County, New Mexico dated November 7, 2013 and August 11, 2008, respectively, and the Conceptual Work Plan (CWP) dated February 1, 2008. All were prepared to satisfy requirements stated in the New Mexico Administrative Code, Title 20, Chapter 6, Part 2, Sections 4106 through 4110 (20.6.2.4106 – 20.6.2.4110 NMAC). The Sampling and Analysis Plan (SAP) was approved by the New Mexico Environment Department (NMED) Ground Water Quality Bureau (GWQB) on September 25, 2008 (NMED 2008). On March 25, 2015, the Stipulated Agreement to additional requirements to the Dona Ana Dairies Stage 2 Abatement Plan was agreed to by NMED, Doña Ana Dairies, and the Rio Valle Concerned Citizens (NMED et al. 2015). On April 10, 2015, the Stage 2 Abatement Plan was approved by NMED by Final Order (NMED 2015).

### 1.1 Objective

The objective of this monitoring program is to satisfy the requirements set forth in the Stage 2 Abatement Plan and the Stipulated Agreement and to satisfy the requirements set forth in 20.6.24110 NMAC.

The following work was performed to meet the objective of the monitoring program:

- Representatives from D&H Petroleum and Environmental Services, Inc. (D&H) gauged discharge plan (DP) monitoring wells and abatement plan (AP) monitoring wells from February 19 through February 20, 2019. Anthony Waste Water Treatment Plant (WWTP) wells were gauged on March 1, 2019.
- From February 22 through March 26, 2019, D&H representatives collected groundwater samples from all AP, DP, and irrigation/supply wells that contained sufficient water. AP well DAD-06 was the only AP well that was dry. The sampling event lasted approximately four weeks. The samples were analyzed for nitrate, chloride, total dissolved solids (TDS), and total Kjeldhal nitrogen (TKN). Field parameters including specific conductance, pH, temperature, oxidation reduction potential (ORP), and dissolved oxygen were monitored and recorded during sampling.
- Updated analyte trend analysis.
- Analyzed first order decay rate for nitrate at wells with decreasing nitrate concentrations.
- Performed geostatistical analysis of analytes.

## 1.2 Background

In correspondence dated April 7, 2006, NMED required a Stage 1 Abatement Plan for 13 dairies in Doña Ana County, based on analytical results from DP monitoring of on-site compliance monitoring wells that showed concentrations of nitrate, chloride and TDS exceeding ground water standards promulgated in New Mexico Water Quality Control Commission (NMWQCC) Regulations (20.6.2.3103 NMAC). On October 30, 2006, the Dairies notified NMED that they had reached an agreement to work as a group and submit a joint response to NMED's request (Doña Ana Dairies 2006). The Dona Ana Dairies consortium consisted of the 13 dairies until the departure from the group by River Valley Dairy in April 2019.

On December 11, 2006, on behalf of the Doña Ana Dairies, Golder Associates (Golder) submitted a Stage 1 and 2 Abatement Plan Proposal to address impacts to groundwater in the area of the Dairies (Golder 2006). The first major deliverable in the Abatement Plan Proposal was an Existing Data Report (EDR) to bring together in one document historical data and practices of the constituent dairies.

The EDR, submitted on February 1, 2008 (Golder 2008a), was intended to satisfy the Dairies commitment for compilation and submission of existing data identified in the Doña Ana Dairies response (2006) to the NMED requirement for Stage I Abatement Plans. Section 9 of the EDR outlined data gaps identified during the preparation of the report, as well as the actions recommended. To facilitate the discussion of the path forward after the submittal of the EDR and concurrent with the EDR submission, a conceptual work plan (CWP) was prepared. (Golder 2008b).

On July 15, 2008, the Dairies, Golder and NMED met (Golder 2008c). During that meeting, plume maps presented in the EDR (Golder 2008a), new monitoring data, and knowledge of well locations and groundwater chemistry results at adjacent DP-regulated facilities were used to identify data gaps with respect to ground water flow direction and plume delineation. The agreed upon data gaps yielded well locations (including contingency locations) recorded in the meeting minutes (Golder 2008c) and depicted in the Sampling and Analysis Plan (SAP) dated August 8, 2008 (Golder 2008d). The SAP outlined the details of the field operations to be implemented for completion of data gaps, such that a Site Investigation Report (§4106.C.6) and Stage 2 Abatement Plan (§4106.D) could be prepared.

Groundwater gauging was conducted concurrent to discussions with NMED at the Dairies for four quarters, February 2008, June 2008, September 2008, and December 2008, to determine the current and historical site groundwater gradient.

In May 2009, field work was conducted as outlined in the SAP and ten (10) AP monitoring wells (DAD-01 through DAD-10) were installed. In July 2009, the Site Investigation Report was submitted to the NMED.

On February 9, 2012, the Final Site Investigation Report was submitted to NMED. The report summarized field activities that occurred from October 10 through October 14, 2011, and November 10 through 18, 2011, during which eleven soil borings were advanced at the site and converted into monitoring wells DAD-12 through DAD-14, DAD-16 through DAD-22, and DP well 177-03A.

On August 16, 2012, soil boring/monitoring well DAD-15 was installed and on August 20, 2012, well DAD-15 was sampled. An addendum to the Final Site Investigation Report was submitted to NMED on September 7, 2012, which summarized DAD-15 field activities.

A Stage 2 Abatement Plan was submitted to NMED on March 13, 2013. Based on an NMED response in August 2013, a Revision to the Stage 2 Abatement Plan was submitted on November 7, 2013.

On March 25, 2015, the stipulated agreement to additional requirements to the Dona Ana Dairies Stage 2 Abatement Plan was agreed to by NMED, Dona Ana Dairies, and the Rio Valle Concerned Citizens. On April 10, 2015 the Stage 2 Abatement Plan with the stipulated agreement was approved by NMED by Final Order.

EA began implementation of the Stage 2 Abatement Plan and stipulated agreement as directed by the Final Order in December 2015. In order to meet objectives, four monitoring wells were installed (DAD-23 through DAD-26) and Del Oro Dairy discharge plan (DP) well 692-01 was plugged and abandoned. Details on implementation of these tasks are included *Stage 2 Implementation and Quarterly Groundwater Monitoring Report*, July 2016.

In accordance with the approved Stage 2 Abatement Plan and stipulated agreement, a baseline compound specific isotope analysis (CSIA) for nitrogen 14 and nitrogen 15 ( $^{15}\text{N}/^{14}\text{N}$  [ $\delta^{15}\text{N}$ ]) and total organic carbon (TOC) was completed for 16 wells in spring of 2016. Additionally, background concentrations were recalculated for the contaminants of concern. Results of these analyses are presented in the *Stage 2 Implementation and Quarterly Groundwater Monitoring Report*, July 2016. These tasks will be completed every five years and are scheduled to occur in spring of 2021.

Contaminant concentration trend analysis as well as geospatial analysis to evaluate changes in plume behavior are required on an annual basis and are provided in this report. Also presented in this report are the results of the annual sampling of irrigation and supply wells and concentration trends of analytes in AP and DP wells.

A Stage 2 Abatement Plan Modification proposal was submitted to NMED on August 10, 2018 to address plume instability in the perched aquifer nitrate plume at Del Oro Dairy. Following discussions with NMED, a revised Stage 2 Abatement Plan Modification proposal was submitted to NMED on May 1, 2019, and a public meeting to discuss the plan held in Anthony, New Mexico on May 17, 2019.



## 2.0 GROUNDWATER MONITORING ACTIVITIES

Groundwater monitoring activities conducted by D&H included gauging DP and AP monitoring wells as well as Anthony Waste Water Treatment Plant monitoring wells. Groundwater samples were collected from DP and AP monitoring wells and irrigation/supply wells. Groundwater samples were analyzed for nitrate, chloride, TDS, and TKN. The resulting data from this groundwater monitoring event are compiled and presented herein.

### 2.1 Well Gauging

From February 19 through February 20, 2019, representatives from D&H gauged the DP and AP with an electronic water level indicator. Anthony Wastewater Treatment Plant monitoring wells were gauged on March 1, 2019. Table 1 provides a summary of the groundwater gauging data collected from the monitoring network. Locations of monitoring wells are shown on Figures 2, 3, 4, and 5. Well gauging field forms are available in Appendix A.

### 2.2 Groundwater Sampling

From March 5 through March 11, 2019, D&H sampled all AP monitoring wells with sufficient water. Well DAD-06 was dry and could not be sampled. Groundwater sampling was accomplished with new disposable bailers. Three well casing volumes were purged unless the well contained insufficient water.

D&H sampled the DP wells from February 22 through March 14, 2019. Prior to sampling, the DP wells were purged of three well casing volumes, if practicable, by (1) hand-bailing with new disposable bailers and twine, (2) pumping with a submersible pump and new polyethylene tubing, or (3) pumping with a dedicated pump and tubing. Due to a declining water table, several wells were dry or contained insufficient water for sampling.

The wells were sampled from historically clean to dirty to the extent possible to minimize cross-contamination potential. All non-dedicated or disposable equipment was decontaminated between wells with an Alconox™ solution to further ensure sample quality. All meters were calibrated and/or checked with standards in accordance with manufacturer's specifications prior to daily use. Purge water was ground discharged.

When sufficient water was available, field parameters including specific conductance, temperature, pH, and dissolved oxygen were monitored using a YSI 556 MPS and recorded on field forms. ORP was measured using an Ultrameter® II. Dissolved oxygen and ORP were only measured in the first set of readings. Field parameters from August 2015 to present are summarized in Table 2. The sampling field forms are presented in Appendix A.

All groundwater samples were collected immediately after purging. Sampling was either accomplished by carefully pouring groundwater from the bailer into the sample containers or by pumping groundwater through dedicated polyethylene tubing into the sample container. Sample containers were provided by Hall Environmental Analysis Laboratory (HEAL). Container size, type, sample preservatives, analytical methods, and holding times are specified in Table 3. All

samples were preserved in accordance with method requirements, labeled, then immediately cooled to <6°C with ice and shipped under chain-of-custody to HEAL in Albuquerque, New Mexico. All analytical laboratory reports are provided in Appendix B.

### **2.3 Irrigation/Supply Well Groundwater Sampling**

Fourteen irrigation/supply locations were sampled in February 22 through March 26, 2019. Samples were analyzed for nitrate, chloride, TDS, and TKN. Irrigation/supply wells were sampled by collecting a grab aliquot from a faucet or tank located nearest to the pump outlet. Where tap samples were collected the pumps were pumping at the time of sampling therefore no purging was completed.

Two of the samples were collected from irrigation wells. One is located at the Mountain View Land Application Area (LRG-0457) and one at the Dominguez Dairy pecan orchard (LRG-00590-S-6). The irrigation well LRG-314495-POD1 adjacent to AP well DAD-08 was not schedule since it has not been operational for several years.

Eleven of the samples are from dairy supply wells located near their respective milking parlors. The supply wells at Bright Star Dairy, Dominguez Dairy, Desert Land Dairy, and Del Oro Dairy were sampled from their holding tanks using new disposable bailers, from taps located on the tank, or from valves located on lines going into the tank. At Del Oro Dairy three supply wells pumped water into the holding tank; therefore, the groundwater sample collected was a composite sample.

The sample collected from irrigation well LRG-952 was initially submitted to the lab with the wrong location identification. The original sample was labelled as LRG-457, but field notes indicated that the sample was in fact collected from well LRG-952.

## **3.0 GROUNDWATER MONITORING RESULTS**

### **3.1 Hydraulic Gradient and Direction of Groundwater Flow**

This quarter, groundwater was present beneath the site at depths ranging from 12.45 feet below top of casing (ft btoc) in AP well DAD-03 to 133.15 ft btoc in Dominguez 2 well 42-12. Groundwater was encountered at shallower depths near the Mesquite Drain and at greater depths near I-10 where the topographic elevation increases.

AP monitoring well DAD-25 may have been completed in a perched aquifer. Groundwater elevations have consistently measured approximately 10 feet higher than groundwater elevations in surrounding wells; as a result, this groundwater elevation has not been used in contouring for the central potentiometric surface map.

Potentiometric surface maps were completed using the monitoring well gauging data for the northern, central, and southern (perched and regional aquifers) portions of the Dairies. Groundwater elevation data are provided in Table 1 and potentiometric surface maps are provided as Figures 2, 3, 4, and 5. Hydrographs were completed for select monitoring wells and

are provided in Appendix C. Generally, groundwater levels increased relative to last quarter in the central regional aquifer, in the southern regional and perched aquifers. Groundwater elevations were generally lower relative to last quarter in the northern area. Through all areas, long-term drought has resulted in many wells becoming and remaining dry.

The groundwater flow direction in the northern area was to the east-southeast. In the central area, a south-southeast flow direction was observed. Flow in the southern area regional aquifer was to the southeast. Groundwater flow direction in the southern perched aquifer was to the southwest. The hydraulic gradient across the Dairies in the regional and perched aquifers was approximately 0.001 ft/ft.

### **3.2 Groundwater Field Parameters**

Field parameters from the most recent monitoring event including specific conductance, pH, temperature, ORP, and dissolved oxygen were recorded on the sampling field forms (Appendix A) and are summarized in Table 2. Specific conductance, dissolved oxygen, and ORP trends for select wells are presented in Appendix D. Though dissolved oxygen and ORP measurements from wells containing a dedicated pump were recorded, these measurements are not considered representative of aquifer conditions.

### **3.3 Groundwater Nitrate, Chloride, and TDS Analytical Results**

#### *3.3.1 Abatement Plan Well Results*

Groundwater analyte concentrations were below the NMWQCC standard for nitrate (10 mg/L) in 11 of the 25 AP wells sampled. The AP wells that had nitrate concentrations at or above standards were DAD-01, DAD-07, DAD-08, DAD-09, DAD-11 (vertical delineation well), DAD-12 (vertical delineation well), DAD-13, DAD-14, DAD-19 (vertical delineation well), DAD-20, DAD-21, DAD-22, DAD-23, and DAD-26.

Both chloride and TDS concentrations exceeded their respective NMWQCC standards in all AP wells sampled, except for well DAD-17 which remained below standards for chloride and TDS at 89 mg/L and 638 mg/L, respectively.

Chloride concentrations in the AP wells range from 89 mg/L in well DAD-17 to 1,900 mg/L in well DAD-08 for this event, and TDS ranged from 638 mg/L in well DAD-17 to 5,460 mg/L in well DAD-08.

Table 4 summarizes the analytical results for AP monitoring wells and the analytical laboratory results are found in Appendix B. Nitrate, chloride, and TDS concentration trends for DAD wells are presented in Appendix E.

#### *3.3.2 Abatement Plan and Discharge Permit Well Results by Area*

DP groundwater analytical results are presented in Table 5 and concentration trends are presented in Appendix F. These data were combined with the analytical data collected from

the 25 AP monitoring wells sampled and are plotted on Figures 6, 7, 8, and 9. Analytical laboratory reports are included in Appendix B. The following discussions summarize the results by area at the Dairies.

### Northern Portion

The highest nitrate concentration was detected at Dominguez Dairy #2 well 42-06 with a concentration of 130 mg/L. The northern nitrate plume downgradient well DAD-02 was below the NMWQCC standard for nitrate (10 mg/L) and well DAD-23 (located north and upgradient of DAD-02) was above the standard with a concentration of 17 mg/L. Upgradient well 70/86/340-01, located in the Northern Land Application area, had a nitrate concentration above standard at 21 mg/L; Northern Land Application area well 86/340-01, located further upgradient, had a nitrate concentration below standard at 7.0 mg/L. The western delineating well Dominguez 624-05 had a nitrate concentration of 6.6 mg/L; this is the first time since February 2013 that this well has contained adequate water for sampling. Eastern boundary wells 42-10, 42-11, 42-12 had nitrate concentrations below the standard. Eastern boundary well DAD-01 had a nitrate concentration above the standard with a concentration of 11 mg/L. Eastern boundary well DAD-13 was at the standard this monitoring event with a concentration of 10 mg/L.

The chloride concentrations were at or above the standard of 250 mg/L in all wells sampled within the northern portion with the exception of Organ Dairy well 126-09 and Dominguez 2 well 42-08. The TDS concentrations were above the standard of 1,000 mg/L in all wells sampled within the northern portion with the exception of Organ Dairy well 126-09. The highest concentrations of chloride and TDS were observed at Northern Land Application Area well 70-03 with concentration of 3,000 mg/L and 7,320 mg/L, respectively.

### Central Portion

The highest nitrate concentration was observed in Big Sky Dairy well 833-02 at a concentration of 66 mg/L. The upgradient extent of the nitrate plume is defined in the central portion by Buena Vista Dairy II well 74-03, which was below the detection limit and the nitrate NMWQCC standard for this event. Sunset Dairy well 257-02 defines the downgradient extent of the nitrate plume. It has fluctuated above and below the nitrate standard since November 2015 and was below the standard at 8.7 mg/L for this monitoring event. The eastern cross-gradient extent of the plume is defined by well DAD-15 which had a nitrate concentration of 7.5 mg/L. AP well DAD-07 was previously used to define the eastern edge of the plume but has been just over the standard beginning in 2017; it was just above the standard with a concentration of 12 mg/L during the most recent sampling event. The western extent is defined by wells DAD-04, DAD-16, and 833-10; nitrate concentrations remain below standards in all of these wells. Abatement well DAD-25, located in the southeastern corner of the central portion was below the standard for nitrate at 4.8 mg/L, which is the lowest it has been since installation in December 2015. The abatement plan vertical delineation well DAD-24 has remained below standards since its installation in March 2016, thereby defining the vertical extent of nitrate contamination.

With the exception of AP well DAD-17, chloride and TDS concentrations are above standards in all wells within the central portion. The highest chloride and TDS concentrations were observed

at well DAD-08 with concentrations of 1,900 mg/L and 5,460 mg/L, respectively. Well DAD-08 is located east of Sunset Dairy, adjacent to irrigation well LRG-00590-S-6. This irrigation well has not been operational since 2014.

### Southern Portion

Nitrate is present within both the regional and perched aquifers in the southern portion of the Dairies. All of the wells in the regional aquifer were below the NMWQCC standard for nitrate except for well 692-05; the nitrate concentration was 12 mg/L in the most recent sampling event.

The well with the highest nitrate concentration in the shallow, perched aquifer was abatement well DAD-09 at 100 mg/L. All other wells screened in the perched aquifer were above the NMWQCC standard (10 mg/L).

Chloride and TDS concentrations were above NMWQCC standards in all wells sampled within the southern portion. Chloride concentrations in this area ranged from 380 mg/L in AP well DAD-10 (regional aquifer) to 950 mg/L in AP well DAD-09 (perched aquifer). TDS ranged from 1,280 mg/L in AP well DAD-10 to 3,290 mg/L in AP well DAD-09. Upgradient Del Oro well 692-08 had a chloride concentration of 420 mg/L and a TDS concentration of 1,400 mg/L.

### *3.3.3 Irrigation/Supply Well Results*

Groundwater analytical results for the sampled irrigation/supply wells are presented in Table 6. Analytical results are provided on Figures 6, 7, and 8. Analytical laboratory reports are included in Appendix B.

Nitrate concentrations were below the NMWQCC standard for nitrate in 9 of the 14 irrigation/supply well sample locations. In the northern portion, nitrate concentrations were detected at or above the standard for the first time at Northern Land Application Area well LRG-457, Organ Dairy well LRG-458 S, and Dominguez well LRG-956. It is suspected that samples for Dominguez 2 well LRG-956 and Dominguez well LRG-00590-S-6 were switched. These wells will be resampled next quarter. Nitrate was also detected above the standard in Bright Star Dairy well LRG-000953 and Dominguez well LRG-00591-S at concentrations consistent with historical results. The highest nitrate concentration detected in the northern area irrigation wells was 28 mg/L at Dominguez well LRG-00591-S. None of the irrigation and supply wells sampled from the central and southern areas exceeded the standard for nitrate.

All irrigation/supply wells were above the NMWQCC standard for chloride and TDS. Chloride concentrations ranged from 340 mg/L at Sunset Dairy well LRG-3348-B to 1,400 mg/L at the Mountain View northern land application well LRG-457. TDS concentrations ranged from 1,310 mg/L at Del Oro Dairy well LRG-5820 to 3,890 mg/L at Northern Land Application Area well LRG-457. Both chloride and TDS concentration ranges are generally similar to the concentrations observed in discharge plan and abatement plan monitoring wells, further indicating that chloride and TDS concentrations observed are regionally above standards.

#### 4.0 DATA GAPS

The western extent of the nitrate plume in the central portion is not defined since AP well DAD-06 has been dry in recent years. Redevelopment, or if necessary, replacement of this well was proposed in the Stage 2 Abatement Plan Modification proposal. The downgradient extent of the nitrate plume in the southern portion of the perched aquifer is not defined. Concentrations of nitrate are significantly higher than the NMWQCC standard. Installation of a monitoring well southwest of AP well DAD-26 was proposed in the Stage 2 Abatement Plan Modification proposal.

#### 5.0 EXISTING CONDITION/BACKGROUND CONCENTRATION FOR CHLORIDE AND TDS

Background or existing concentrations for chloride and TDS at the Dairies were evaluated in February 2016 (EA 2016). They were determined using upgradient well(s) in each portion of Doña Ana Dairies. The Stipulated Agreement requires that the chloride and TDS background concentration for the northern portion be recalculated using 3 and perhaps 4 suitable existing wells and that the upper confidence level (UCL) at 95% be used to estimate mean background concentrations. In addition, the Stipulated Agreement requires that the background will be recalculated for the northern, central, and southern portions every five years. Background conditions will be recalculated in the year 2021 in accordance with the stipulated agreement to the Stage 2 Abatement Plan.

The average background or existing concentration as established by the UCL for chloride and TDS is as follows:

- Northern portion - chloride 1,015 milligrams per liter (mg/L) and TDS 3,178 mg/L (EA 2016).
- Central portion - chloride 1,781 mg/L and TDS 5,328 mg/L (EA 2016).
- Southern portion - chloride 503 mg/L and TDS 2,552 mg/L (EA 2016).

Tables 4 and 5 present the wells that exceed existing conditions through the use of colored highlighting.

#### 6.0 TREND ANALYSIS

Analytical data (March 2009 to February 2018) collected from all AP and DP wells sampled in February/March 2019 were included in a statistical trend analysis using the Mann-Kendall test. Trend analysis can indicate whether concentrations of constituents such as nitrate, chloride and TDS are stable, increasing or decreasing at a particular well (Gilbert 1987). Concentration trend graphs for nitrate, chloride, and TDS are found in Appendices E and F. The statistical trend analysis is provided in Appendix G. Table 7 provides a summary of the trend analysis for the AP and DP wells. The following is a discussion of the trend analysis for each portion of the Dairy.

## 6.1 Northern Portion

Trend analysis was conducted on 38 wells within the northern portion. Six DP wells were not analyzed for trend because they were dry during 2018/2019 monitoring events. Of the 38 wells sampled, four wells had increasing trends for nitrate, chloride, and TDS: Organ Dairy well 126-04, Mountain View Dairy wells 70-01 and 70-04, and AP vertical delineation well DAD-11. Stable or decreasing trends were present for all three constituents in 21 of the 38 wells.

Nitrate decreasing and increasing concentration trends are as follows:

- Decreasing Nitrate Trend: Northern Land Application Area well 70/86/340-01, Organ Dairy well 126-09, Mountain View Dairy well 70-02, Dominguez 2 Dairy wells 42-02 and 42-08, Dominguez Dairy wells 624-02, and 624-05, Gonzalez Dairy wells 177-01, 177-02, 177-04, and 177-05.
- Increasing Nitrate Trend: Organ Dairy wells 126-04, 126-07, and 126-13, Mountain View Dairy wells 70-01 and 70-04, Bright Star Dairy well 340-01, Dominguez 2 Dairy well 42-06, and AP wells DAD-02, DAD-11, DAD-13, and DAD-23.

Chloride decreasing and increasing concentration trends are as follows:

- Decreasing Chloride Trend: Northern Land Application Area well 86/340-01, Organ Dairy wells 126-09 and 126-12, Mountain View Dairy well 70-02, Dominguez 2 Dairy wells 42-06, 42-08, 42-10, 42-11, and 42-13, Dominguez Dairy wells 624-02 and 624-05, Gonzalez Dairy wells 177-02, 177-03A, and 177-04, and AP well DAD-01.
- Increasing Chloride Trend: Northern Land Application Area well 70-03, Organ Dairy wells 126-04 and 126-05, Mountain View Dairy wells 70-01 and 70-04, Dominguez 2 Dairy well 42-02, Gonzalez Dairy wells 177-01 and 177-05, and AP wells DAD-02, DAD-11, and DAD-12.

TDS decreasing and increasing concentration trends are as follows:

- Decreasing TDS Trend: Northern Land Application Area well 86/340-01, Organ Dairy well 126-09, Dominguez 2 Dairy wells 42-03, 42-06, 42-08, 42-10, and 42-11, Dominguez Dairy wells 624-02, and 624-05, Gonzalez Dairy wells 177-02 and 177-04, and AP wells DAD-01 and DAD-02.
- Increasing TDS Trend: Northern Land Application Area well 70-03, Organ Dairy wells 126-04, 126-05, and 126-13, Mountain View Dairy wells 70-01 and 70-04, Bright Star Dairy well 340-01, Dominguez 2 Dairy well 42-02, Gonzalez Dairy wells 177-01 and 177-05, and AP wells DAD-11, DAD-12 and DAD-23.

Upgradient Land Application Area well 70/86/340-01 had a decreasing nitrate trend and stable chloride and TDS trends. Upgradient well 86/340-01 had stable nitrate concentrations and

decreasing concentrations of chloride and TDS. Nitrate, chloride, and TDS in these wells are expected to stabilize as land application has been phased out.

The Dominguez 2 eastern boundary wells 42-10, 42-11, 42-12, and AP eastern boundary well DAD-01 had stable to decreasing nitrate, chloride, and TDS concentrations. The AP eastern boundary well DAD-13, however, showed an increasing nitrate trend. DAD-01 and DAD-13 had nitrate concentrations that fluctuated above and below the standard.

The western boundary well, Dominguez Dairy 2 well 42-02, had a decreasing trend for nitrate and was below the standard. The well had increasing trends for both chloride and TDS, but both were below existing conditions.

The southern boundary wells for the northern area are AP wells DAD-02 and DAD-23. DAD-02 had increasing trends for both nitrate and chloride, and a decreasing trend for TDS. DAD-23 had an increasing trend for nitrate and TDS but was stable for chloride. Nitrate concentrations at DAD-23 were above the standard; nitrate concentrations at DAD-02 fluctuated above and below the standard. Chloride and TDS concentrations for both wells were below existing conditions.

## 6.2 Central Portion

A trend analysis was conducted on all 28 wells with adequate water for sampling within the central portion. Decreasing or stable trends for all three constituents were present in 16 of the 28 wells analyzed. No wells in the central portion had increasing trends for all three contaminants (nitrate, chloride and TDS).

A decreasing to stable nitrate trend is present downgradient of four of the five Big Sky lagoons. It is expected that similar trends will occur downgradient of all synthetically lined lagoons in the future.

The following summarizes trend statistics for the nitrate plume:

- Decreasing Nitrate Trend: Buena Vista Dairy well 74-01, 74-03, and 74-05, Big Sky Dairy well 833-07, 833-08, and 833-10, and Sunset Dairy Well 257-02, and AP wells DAD-03, DAD-04, DAD-16, DAD-19, and DAD-25.
- Increasing Nitrate Trend: Big Sky Dairy well 833-05, and AP wells DAD-07 and DAD-15.

The following summarizes trend statistics for the chloride plume:

- Decreasing Chloride Trend: Buena Vista II Dairy wells 74-02 and 74-03, Big Sky Dairy wells 833-07, 833-09, and 833-10, Sunset Dairy well 257-03, and AP wells DAD-03, DAD-04, DAD-17, and DAD-25.



- Increasing Chloride Trend: Buena Vista II Dairy wells 74-01, 74-04, and 74-05, Big Sky Dairy wells 833-02 and 833-04, Sunset Dairy wells 257-01 and 257-02, and AP wells DAD-15 and DAD-19.

The following summarizes the trend statistics for TDS:

- Decreasing TDS Trend: Buena Vista II Dairy wells 74-02 and 74-03, Big Sky Dairy well 833-09, and AP wells DAD-03, DAD-04, DAD-17, DAD-19, and DAD-25.
- Increasing TDS Trend: Buena Vista II Dairy wells 74-01, 74-04 and 74-05, Big Sky well 833-02 and 833-05, and Sunset Dairy wells 257-01 and 257-02, and AP well DAD-05.

Upgradient well Buena Vista Dairy well 74-03 had decreasing trends for all three constituents.

Eastern cross-gradient AP wells DAD-07 and DAD-15 had increasing trends for nitrate; concentrations at DAD-07 were above the standard and concentrations at DAD-15 were below the standard. Eastern cross-gradient AP well DAD-15 had an increasing chloride trend, but concentrations are below existing conditions. Western cross-gradient wells 833-10 (Big Sky), DAD-04 (AP), and DAD-16 (AP) were stable or decreasing for all constituents.

Downgradient well 257-02 (Sunset Dairy) had a decreasing trend for nitrate. Sunset Dairy well 257-02 had increasing trends for both chloride and TDS, but both chloride and TDS are below existing conditions. AP well DAD-25 had decreasing trends for nitrate, chloride, and TDS concentrations.

### **6.3 Southern Portion**

The southern portion statistical trend analysis was completed on all wells within the regional and perched aquifers. Of the 12 wells analyzed in the southern portion of the Dairies, seven had decreasing or stable concentrations of nitrate, chloride, and TDS.

Within the regional aquifer, increasing nitrate trends were observed in Del Oro Dairy well 692-05 and AP well DAD-10. Nitrate was below the standard in DAD-10, but above in 692-05. Chloride and TDS trends were decreasing or stable in all regional wells except for abatement well DAD-10 where TDS has increasing trends; TDS is below existing conditions in this well.

In the perched aquifer, statistical trend analysis indicated three of the six wells had stable or decreasing trends for all analytes. Two abatement wells, DAD-20 and DAD-21, had increasing trends for all three constituents; nitrate was above standards in both wells. Chloride and TDS were above existing conditions in well DAD-21; chloride was above existing conditions in well DAD-20.

## 7.0 FIRST ORDER DECAY RATE

First order nitrate decay rates were calculated for wells where nitrate was detected above the standard and nitrate concentrations were exhibiting decreasing trends according to the Mann-Kendall trend analysis discussed in Section 6.0. The 1<sup>st</sup> order decay rates for monitored natural attenuation were calculated using an excel spreadsheet developed by the Utah Leaking Underground Storage Tank program, and is based on EPA's Ground Water Issue paper EPA/540/S-02/500, "Calculation and Use of First-Order Rate Constants for Monitored Natural Attenuation Studies," by Newell, Rifai, Wilson, Connor, Aziz and Suarez, November 2002. Two wells with decreasing nitrate trends according to the Mann-Kendall analysis plotted with positive slope when the data were entered into the above-referenced spreadsheet (Mountain View well 70-02 and Big Sky well 833-07). Therefore, these wells were not analyzed for decay rate. Decay rate spreadsheets are presented in Appendix H.

Decay rates were calculated for a total of 12 monitoring wells. Seven wells from the northern area and five wells from the southern area were analyzed. Decay-rate, estimated half-life, and estimated cleanup times to reach the nitrate standard are presented in Table 8. Decay rates in the northern area ranged from 0.07 years<sup>-1</sup> to 0.1806 years<sup>-1</sup>. These rates correspond to an average half-life of approximately 12 years. In these northern locations where groundwater attenuation is occurring, cleanup times averaging 23.6 years are expected. In the central area, decay rates ranged from 0.0246 years<sup>-1</sup> to 0.1177 years<sup>-1</sup>. The predicted average half-life was calculated at approximately 16 years and the predicted cleanup time was calculated as approximately 44 years. A summary of the results of the decay rate analysis is presented in Table 8.

## 8.0 GEOSTATISTICS

A geostatistical analysis was completed to estimate analyte distribution and calculate contaminant plume area. Nitrate plumes were defined as areas where concentrations exceed the NMWQCC nitrate standard of 10 mg/L. Chloride and TDS plumes were defined as areas exceeding the calculated background concentration.

Interpolation by kriging was applied to nitrate, chloride, and TDS concentrations from February/March 2019. Interpolation was based on analytical data from AP and DP wells. Isopleths were manually adjusted in areas where plume edges were not defined. TDS in the southern portion of the regional aquifer was not modeled because concentrations were below regional background levels.

Table 9 provides the calculated areas of plumes in the north, central, and south portions for 2016 through 2019. Distributions of contaminants modeled from 2019 data are displayed in Figures 10 through 20. Note that the contaminant plume geometries were statistically modeled, and as a result, concentration intervals may be offset from measured concentrations at individual monitoring locations.

The following is a discussion of the trend analysis for each portion of the Dairy:

- Northern portion - The total size of the nitrate, chloride, and TDS plumes decreased or were stable between 2016 and 2019. The modeled area with a nitrate concentration exceeding 70 mg/L is larger than it was in 2016 but has decreased in size relative to last year.
- Central portion - The cumulative areas of nitrate, chloride, and TDS plumes decreased or were stable relative to the 2016 baseline. Because River Valley is no longer part of the DAD consortium, groundwater sampling data were not available for 2019. Note that 2016 and 2017 results indicate that modeling without River Valley wells results in a conservative nitrate plume size that is biased high.
- Southern portion (perched aquifer) – Nitrate and chloride plumes increased in total size between 2016 and 2019; the TDS plume size is similar to the 2016 baseline and is characterized as stable. Because of the distribution of contamination and monitoring wells, the modeled plume geometries in the perched aquifer required manual interpretation for large areas and are therefore limited in their ability to offer accurate comparisons from year to year.
- Southern portion (regional aquifer) – The chloride and TDS plume sizes decreased or were stable between 2016 and 2019, however, the nitrate plume size increased. Chloride and TDS were not present above existing conditions in 2019.

## 9.0 CONCLUSIONS AND RECOMMENDATIONS

The groundwater monitoring event included the gauging of all accessible DP and AP wells and sampling of 25 AP wells and the DP wells that were accessible and contained sufficient water to sample. Based on the data collected, the following conclusions and recommendations are presented:

- The depth to groundwater at the site ranged from 12.45 to 133.15 ft btoc.
- Generally, groundwater levels increased relative to last quarter in the central regional aquifer, and in the southern regional and perched aquifers. Groundwater elevations were generally lower relative to last quarter in the northern area.
- The groundwater flow direction in the regional aquifer was to the east-southeast in the northern area, to the south-southeast in the central area, and to the southeast in the southern area. Hydraulic gradient in the regional aquifer was 0.001 ft/ft.
- The perched aquifer at Del Oro Dairy has a groundwater flow direction toward the southwest. The hydraulic gradient in the perched aquifer was 0.001 ft/ft.
- Nitrate was below the NMWQCC standards in 11 of the 25 groundwater samples collected from the AP wells.

- Chloride was above the NMWQCC standard in all monitoring wells sampled, except for well DAD-17, which had a chloride concentration of 89 mg/L.
- TDS was above the NMWQCC standard in all monitoring wells sampled, except for well DAD-17, which had a TDS concentration of 638 mg/L.
- Chloride and TDS remain above standards in wells upgradient of the northern, central, and southern portions of the plume at the Dairies. Chloride and TDS are regionally elevated above standards and not necessarily attributed to the Dairies.
- Trend analysis indicates that 21 of the 38 wells analyzed in the northern portion had decreasing or stable trends for nitrate, chloride, and TDS.
- Trend analysis indicates that 16 of the 28 wells analyzed in the central portion had decreasing or stable trends for nitrate, chloride, and TDS.
- Trend analysis indicates that 7 of the 12 wells analyzed in the southern portion had decreasing or stable trends for nitrate, chloride, and TDS.
- Decay rates in the northern area ranged from 0.07 years<sup>-1</sup> to 0.1806 years<sup>-1</sup>. These rates correspond to an average half-life of approximately 12 years. In these northern locations where groundwater attenuation is occurring, cleanup times averaging approximately 23 years are expected.
- In the central area, decay rates ranged from 0.0246 years<sup>-1</sup> to 0.1177 years<sup>-1</sup>. The predicted average half-life was calculated at approximately 16 years and the predicted cleanup time was calculated as approximately 44 years.
- Between 2016 and 2019 in the northern and central portions, the size of the nitrate, chloride, and TDS plumes decreased or were stable.
- In the regional aquifer of the southern portion, chloride and TDS plumes decreased in size or were stable between 2016 and 2019; the size of the nitrate plume increased.
- In the perched aquifer of the southern portion, nitrate, chloride, and TDS plumes increased in size or were stable between 2016 and 2019.
- Rehabilitation or replacement of AP well DAD-06 was proposed in the Stage 2 Modification proposal to delineate the central nitrate plume.
- Installation of an additional monitoring well southwest of DAD-26 was proposed in the Stage 2 Modification proposal to delineate the southern nitrate plume in the perched aquifer.
- A revised Stage 2 Abatement Modification proposal was submitted to NMED on May 1, 2019.

## 10.0 REFERENCES

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**TABLES**  
**(Provided in Electronic Format via CD Located on Front Cover of Report)**

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
<b>NORTHERN AREA</b>						
<b>Northern Land Application Area</b>						
70-03	19-Feb-2019	424580.78	1510233.88	3871.43	56.90	3814.53
	12-Nov-2018				57.16	3814.27
	6-Aug-2018				58.05	3813.38
	17-May-2018				57.26	3814.17
	5-Feb-2018				56.16	3815.27
	6-Nov-2017				56.89	3814.54
	8-Aug-2017				57.90	3813.53
	15-May-2017				58.20	3813.23
	6-Feb-2017				57.09	3814.34
	7-Nov-2016				58.05	3813.38
	15-Aug-2016				58.74	3812.69
	16-May-2016				58.50	3812.93
	9-Feb-2016				57.37	3814.06
	6-Nov-2015				58.03	3813.40
	5-Aug-2015				58.45	3812.98
	6-May-2015				57.82	3813.61
	5-Feb-2015				56.55	3814.88
	5-Nov-2014				57.25	3814.18
	12-Aug-2014				57.24	3814.19
	12-May-2014				56.58	3814.85
	12-Feb-2014				55.26	3816.17
	6-Nov-2013				55.93	3815.50
	6-Aug-2013				54.52	3816.91
	7-May-2013				53.87	3817.56
	7-Feb-2013				53.46	3817.97
	24-Oct-2012				54.05	3817.38
	30-Jul-2012				53.70	3817.73
	23-Apr-2012				52.84	3818.59
	30-Jan-2012				51.41	3820.02
	8-Dec-2011				51.49	3819.94
	19-Jul-2011				50.77	3820.66
	20-Apr-2011				49.69	3821.74
17-Jan-2011	48.70	3822.73				
14-Sep-2010	49.02	3822.41				
24-Jun-2010	48.99	3822.44				
22-Mar-2010	48.90	3822.53				
8-Dec-2009	48.72	3822.71				
28-Aug-2009	49.21	3822.22				
26-May-2009	48.91	3822.52				
11-Dec-2008	48.02	3823.41				
28-Sep-2008	48.06	3823.37				
11-Jun-2008	49.20	3822.23				
5-Feb-2008	47.95	3823.48				
14-Nov-2007	48.10	3823.33				
12-Sep-2007	48.70	3822.73				



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Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
70/86/340-01	19-Feb-2019	427320.92	1508461.05	3866.77	50.16	3816.61
	12-Nov-2018				50.26	3816.51
	6-Aug-2018				50.70	3816.07
	17-May-2018				50.25	3816.52
	5-Feb-2018				49.10	3817.67
	6-Nov-2017				49.58	3817.19
	8-Aug-2017				50.35	3816.42
	15-May-2017				51.40	3815.37
	6-Feb-2017				50.12	3816.65
	7-Nov-2016				51.02	3815.75
	15-Aug-2016				51.56	3815.21
	16-May-2016				51.48	3815.29
	9-Feb-2016				50.22	3816.55
	6-Nov-2015				51.02	3815.75
	5-Aug-2015				51.22	3815.55
	6-May-2015				50.90	3815.87
	5-Feb-2015				49.68	3817.09
	5-Nov-2014				50.67	3816.10
	12-Aug-2014				50.38	3816.39
	12-May-2014				49.94	3816.83
	12-Feb-2014				48.95	3817.82
	6-Nov-2013				49.21	3817.56
	6-Aug-2013				46.44	3820.33
	7-May-2013				46.79	3819.98
	7-Feb-2013				46.49	3820.28
	24-Oct-2012				47.30	3819.47
	30-Jul-2012				46.84	3819.93
	23-Apr-2012				45.91	3820.86
	8-Dec-2011				45.17	3821.60
	19-Jul-2011				44.49	3822.28
	20-Apr-2011				43.15	3823.62
	17-Jan-2011				42.00	3824.77
	14-Sep-2010				41.79	3824.98
24-Jun-2010	42.67	3824.10				
22-Mar-2010	42.21	3824.56				
8-Dec-2009	42.02	3824.75				
28-Aug-2009	42.39	3824.38				
26-May-2009	42.33	3824.44				
11-Dec-2008	41.15	3825.62				
28-Sep-2008	41.58	3825.19				
11-Jun-2008	42.31	3824.46				
5-Feb-2008	41.07	3825.70				
14-Nov-2007	41.38	3825.39				
12-Sep-2007	41.46	3825.31				

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Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
86/340-01	19-Feb-2019	432021.33	1503216.90	3876.14	56.61	3819.53
	12-Nov-2018				57.17	3818.97
	6-Aug-2018				56.98	3819.16
	17-May-2018				57.00	3819.14
	5-Feb-2018				55.09	3821.05
	6-Nov-2017				55.91	3820.23
	8-Aug-2017				57.30	3818.84
	15-May-2017				58.13	3818.01
	6-Feb-2017				56.49	3819.65
	7-Nov-2016				57.58	3818.56
	15-Aug-2016				58.36	3817.78
	16-May-2016				58.48	3817.66
	9-Feb-2016				56.93	3819.21
	6-Nov-2015				57.83	3818.31
	5-Aug-2015				57.73	3818.41
	6-May-2015				57.74	3818.40
	5-Feb-2015				56.32	3819.82
	5-Nov-2014				57.31	3818.83
	12-Aug-2014				57.28	3818.86
	12-May-2014				57.04	3819.10
	12-Feb-2014				55.10	3821.04
	6-Nov-2013				55.78	3820.36
	6-Aug-2013				53.29	3822.85
	7-May-2013				52.65	3823.49
	7-Feb-2013				52.31	3823.83
	24-Oct-2012				53.16	3822.98
	30-Jul-2012				52.70	3823.44
	23-Apr-2012				52.20	3823.94
	30-Jan-2012				51.10	3825.04
	8-Dec-2011				51.20	3824.94
	19-Jul-2011				50.36	3825.78
	20-Apr-2011				48.91	3827.23
	17-Jan-2011				47.00	3829.14
	14-Sep-2010				47.63	3828.51
	24-Jun-2010				48.22	3827.92
	22-Mar-2010				47.66	3828.48
	8-Dec-2009				47.39	3828.75
	28-Aug-2009				47.75	3828.39
	26-May-2009				47.86	3828.28
	11-Dec-2008				46.68	3829.46
	28-Sep-2008				47.44	3828.70
	11-Jun-2008				48.11	3828.03
	5-Feb-2008				46.68	3829.46
	14-Nov-2007				47.11	3829.03
	12-Sep-2007				47.85	3828.29

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Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
<b>Organ Dairy (Formerly known as Del Norte Dairy and Daybreak Dairy)</b>						
126-04	19-Feb-2019	423258.23	1510546.24	3850.31	35.32	3814.99
	12-Nov-2018				35.56	3814.75
	6-Aug-2018				36.34	3813.97
	17-May-2018				35.75	3814.56
	5-Feb-2018				34.67	3815.64
	6-Nov-2017				35.47	3814.84
	7-Aug-2017				36.60	3813.71
	15-May-2017				36.60	3813.71
	6-Feb-2017				35.61	3814.70
	7-Nov-2016				36.52	3813.79
	15-Aug-2016				37.28	3813.03
	16-May-2016				37.06	3813.25
	9-Feb-2016				38.20	3812.11
	5-Nov-2015				36.51	3813.80
	5-Aug-2015				37.00	3813.31
	6-May-2015				36.30	3814.01
	5-Feb-2015				35.06	3815.25
	5-Nov-2014				35.62	3814.69
	12-Aug-2014				35.61	3814.70
	12-May-2014				34.98	3815.33
	12-Feb-2014				33.79	3816.52
	6-Nov-2013				34.32	3815.99
	6-Aug-2013				32.93	3817.38
	7-May-2013				32.01	3818.30
	7-Feb-2013				32.05	3818.26
	24-Oct-2012				32.58	3817.73
	30-Jul-2012				32.23	3818.08
	23-Apr-2012				31.46	3818.85
	26-Jan-2012				30.89	3819.42
	8-Dec-2011				30.84	3819.47
	19-Jul-2011				30.26	3820.05
	20-Apr-2011				29.09	3821.22
17-Jan-2011	28.20	3822.11				
14-Sep-2010	28.60	3821.71				
24-Jun-2010	28.21	3822.10				
22-Mar-2010	28.33	3821.98				
8-Dec-2009	28.17	3822.14				
28-Aug-2009	28.50	3821.81				
26-May-2009	28.30	3822.01				
11-Dec-2008	27.56	3822.75				
27-Sep-2008	27.96	3822.35				
10-Jun-2008	28.61	3821.70				
6-Feb-2008	27.53	3822.78				
14-Nov-2007	27.61	3822.70				
11-Sep-2007	28.19	3822.12				

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DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
126-05	19-Feb-2019	422293.26	1510649.84	3842.62	27.25	3815.37
	12-Nov-2018				27.08	3815.54
	6-Aug-2018				27.53	3815.09
	17-May-2018				27.53	3815.09
	5-Feb-2018				26.59	3816.03
	6-Nov-2017				27.15	3815.47
	7-Aug-2017				28.39	3814.23
	15-May-2017				28.59	3814.03
	6-Feb-2017				27.91	3814.71
	7-Nov-2016				28.45	3814.17
	15-Aug-2016				29.25	3813.37
	16-May-2016				29.48	3813.14
	9-Feb-2016				28.32	3814.30
	5-Nov-2015				28.80	3813.82
	5-Aug-2015				29.38	3813.24
	6-May-2015				28.87	3813.75
	5-Feb-2015				27.65	3814.97
	5-Nov-2014				27.95	3814.67
	12-Aug-2014				27.85	3814.77
	12-May-2014				27.63	3814.99
	12-Feb-2014				26.34	3816.28
	6-Nov-2013				26.67	3815.95
	6-Aug-2013				25.20	3817.42
	7-May-2013				24.65	3817.97
	7-Feb-2013				24.71	3817.91
	24-Oct-2012				24.96	3817.66
	30-Jul-2012				24.73	3817.89
	23-Apr-2012				24.21	3818.41
	26-Jan-2012				23.52	3819.10
	8-Dec-2011				23.50	3819.12
	19-Jul-2011				22.72	3819.90
	20-Apr-2011				21.74	3820.88
	21-Jan-2011				21.30	3821.32
	14-Sep-2010				20.91	3821.71
	24-Jun-2010				21.13	3821.49
	22-Mar-2010				21.06	3821.56
	8-Dec-2009				20.88	3821.74
	28-Aug-2009				20.83	3821.79
	26-May-2009				20.91	3821.71
	11-Dec-2008				20.29	3822.33
	27-Sep-2008				20.42	3822.20
	10-Jun-2008				21.26	3821.36
	6-Feb-2008				20.34	3822.28
	14-Nov-2007				20.32	3822.30
	11-Sep-2007				20.74	3821.88

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
126-07	19-Feb-2019	423613.62	1509986.47	3850.94	35.50	3815.44
	12-Nov-2018				35.67	3815.27
	6-Aug-2018				36.38	3814.56
	17-May-2018				35.74	3815.20
	5-Feb-2018				34.80	3816.14
	6-Nov-2017				35.45	3815.49
	7-Aug-2017				36.76	3814.18
	15-May-2017				36.85	3814.09
	6-Feb-2017				35.95	3814.99
	7-Nov-2016				36.79	3814.15
	15-Aug-2016				37.54	3813.40
	16-May-2016				37.36	3813.58
	9-Feb-2016				36.33	3814.61
	5-Nov-2015				36.94	3814.00
	5-Aug-2015				37.39	3813.55
	6-May-2015				36.68	3814.26
	5-Feb-2015				35.62	3815.32
	5-Nov-2014				36.34	3814.60
	12-Aug-2014				36.22	3814.72
	12-May-2014				35.52	3815.42
	12-Feb-2014				34.38	3816.56
	6-Nov-2013				34.89	3816.05
	6-Aug-2013				32.46	3818.48
	7-May-2013				32.33	3818.61
	7-Feb-2013				32.58	3818.36
	24-Oct-2012				32.97	3817.97
	30-Jul-2012				32.60	3818.34
	23-Apr-2012				31.84	3819.10
	26-Jan-2012				31.23	3819.71
	8-Dec-2011				31.28	3819.66
	19-Jul-2011				30.30	3820.64
	20-Apr-2011				28.59	3822.35
	27-Jan-2011				28.43	3822.51
	14-Sep-2010				28.45	3822.49
	24-Jun-2010				28.74	3822.20
	22-Mar-2010				28.57	3822.37
	8-Dec-2009				28.37	3822.57
	28-Aug-2009				28.61	3822.33
	26-May-2009				28.47	3822.47
	11-Dec-2008				27.70	3823.24
	27-Sep-2008				27.97	3822.97
	10-Jun-2008				28.78	3822.16
	6-Feb-2008				27.71	3823.23
	14-Nov-2007				27.63	3823.31
	11-Sep-2007				28.06	3822.88

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
126-09	19-Feb-2019	425154.15	1510994.31	3893.35	78.70	3814.65
	12-Nov-2018				79.00	3814.35
	6-Aug-2018				80.10	3813.25
	17-May-2018				79.28	3814.07
	5-Feb-2018				77.87	3815.48
	6-Nov-2017				78.83	3814.52
	7-Aug-2017				79.61	3813.74
	15-May-2017				79.78	3813.57
	6-Feb-2017				77.00	3816.35
	7-Nov-2016				79.62	3813.73
	15-Aug-2016				80.33	3813.02
	16-May-2016				80.00	3813.35
	9-Feb-2016				78.58	3814.77
	5-Nov-2015				79.27	3814.08
	5-Aug-2015				79.72	3813.63
	6-May-2015				79.01	3814.34
	5-Feb-2015				77.53	3815.82
	5-Nov-2014				78.21	3815.14
	12-Aug-2014				78.15	3815.20
	12-May-2014				77.70	3815.65
	12-Feb-2014				76.14	3817.21
	6-Nov-2013				76.91	3816.44
	6-Aug-2013				76.09	3817.26
	7-May-2013				75.40	3817.95
	7-Feb-2013				74.61	3818.74
	24-Oct-2012				75.29	3818.06
	30-Jul-2012				74.98	3818.37
	23-Apr-2012				73.98	3819.37
	26-Jan-2012				72.24	3821.11
	8-Dec-2011				73.34	3820.01
	19-Jul-2011				73.19	3820.16
	20-Apr-2011				72.11	3821.24
	21-Jan-2011				71.00	3822.35
	14-Sep-2010				71.52	3821.83
	29-Jun-2010				72.23	3821.12
	22-Mar-2010				71.03	3822.32
	8-Dec-2009				70.94	3822.41
	28-Aug-2009				71.73	3821.62
	26-May-2009				71.12	3822.23
	11-Dec-2008				70.27	3823.08
	27-Sep-2008				70.79	3822.56
	10-Jun-2008				71.47	3821.88
	6-Feb-2008				70.08	3823.27
	14-Nov-2007				70.46	3822.89
	11-Sep-2007				71.39	3821.96

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
126-12	19-Feb-2019	421492.11	1510198.45	3838.88	22.50	3816.38
	12-Nov-2018				21.94	3816.94
	6-Aug-2018				21.56	3817.32
	17-May-2018				Covered in dirt	
	5-Feb-2018				21.85	3817.03
	6-Nov-2017				21.90	3816.98
	7-Aug-2017				23.26	3815.62
	15-May-2017				23.65	3815.23
	6-Feb-2017				23.62	3815.26
	7-Nov-2016				23.59	3815.29
	15-Aug-2016				24.52	3814.36
	16-May-2016				24.84	3814.04
	9-Feb-2016				24.41	3814.47
	5-Nov-2015				24.05	3814.83
	5-Aug-2015				25.02	3813.86
	6-May-2015				24.78	3814.10
	5-Feb-2015				23.86	3815.02
	5-Nov-2014				23.65	3815.23
	14-Aug-2014				23.37	3815.51
	12-May-2014				23.60	3815.28
	12-Feb-2014				22.46	3816.42
	6-Nov-2013				22.39	3816.49
	6-Aug-2013				21.44	3817.44
	7-May-2013				21.05	3817.83
	7-Feb-2013				20.92	3817.96
	24-Oct-2012				20.53	3818.35
	30-Jul-2012				20.48	3818.40
	23-Apr-2012				20.22	3818.66
	30-Jan-2012				19.79	3819.09
	8-Dec-2011				19.55	3819.33
	19-Jul-2011				18.27	3820.61
	20-Apr-2011				17.62	3821.26
	17-Jan-2011				17.00	3821.88
16-Sep-2010	16.48	3822.40				
24-Jun-2010	17.30	3821.58				
24-Jun-2010	17.30	3821.58				
22-Mar-2010	17.19	3821.69				
8-Dec-2009	16.99	3821.89				
28-Aug-2009	16.49	3822.39				
26-May-2009	16.85	3822.03				
11-Dec-2008	16.37	3822.51				
27-Sep-2008	16.29	3822.59				
10-Jun-2008	17.19	3821.69				
6-Feb-2008	16.62	3822.26				
14-Nov-2007	16.33	3822.55				
11-Sep-2007	16.56	3822.32				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
126-13	19-Feb-2019	423431.96	1510657.41	3857.37	42.45	3814.92
	12-Nov-2018				42.70	3814.67
	6-Aug-2018				43.52	3813.85
	17-May-2018				42.90	3814.47
	5-Feb-2018				41.78	3815.59
	6-Nov-2017				42.61	3814.76
	7-Aug-2017				43.70	3813.67
	15-May-2017				43.74	3813.63
	6-Feb-2017				42.64	3814.73
	7-Nov-2016				43.60	3813.77
	15-Aug-2016				44.35	3813.02
	16-May-2016				44.13	3813.24
	9-Feb-2016				42.93	3814.44
	5-Nov-2015				43.55	3813.82
	5-Aug-2015				44.00	3813.37
	6-May-2015				43.34	3814.03
	5-Feb-2015				42.05	3815.32
	5-Nov-2014				42.63	3814.74
	12-Aug-2014				42.60	b
	12-May-2014				42.04	3815.33
	12-Feb-2014				40.78	3816.59
	6-Nov-2013				41.35	3816.02
	6-Aug-2013				39.96	3817.41
	7-May-2013				39.01	3818.36
	7-Feb-2013				39.07	3818.30
	24-Oct-2012				39.60	3817.77
	30-Jul-2012				39.30	3818.07
	23-Apr-2012				38.52	3818.85
	26-Jan-2012				37.80	3819.57
	8-Dec-2011				37.86	3819.51
	19-Jul-2011				37.29	3820.08
	20-Apr-2011				35.23	3822.14
	13-Jan-2011				35.23	3822.14
	14-Sep-2010				35.66	3821.71
24-Jun-2010	36.01	3821.36				
22-Mar-2010	35.40	3821.97				
8-Dec-2009	35.24	3822.13				
28-Aug-2009	35.60	3821.77				
26-May-2009	35.37	3822.00				
11-Dec-2008	34.62	3822.75				
27-Sep-2008	34.99	3822.38				
10-Jun-2008	35.69	3821.68				
6-Feb-2008	NA	NA				
14-Nov-2007	16.33	3841.04				
11-Sep-2007	NA	NA				



**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
<b>Mountain View Dairy</b>						
70-01	19-Feb-2019	423303.43	1510585.63	3851.84	36.90	3814.94
	12-Nov-2018				37.15	3814.69
	6-Aug-2018				37.95	3813.89
	17-May-2018				37.34	3814.50
	5-Feb-2018				36.25	3815.59
	6-Nov-2017				37.05	3814.79
	8-Aug-2017				38.17	3813.67
	15-May-2017				38.22	3813.62
	6-Feb-2017				37.16	3814.68
	22-Nov-2016				37.93	3813.91
	15-Aug-2016				38.85	3812.99
	16-May-2016				38.62	3813.22
	9-Feb-2016				37.43	3814.41
	6-Nov-2015				38.07	3813.77
	5-Aug-2015				38.59	3813.25
	6-May-2015				37.85	3813.99
	5-Feb-2015				36.61	3815.23
	5-Nov-2014				37.17	3814.67
	12-Aug-2014				37.18	3814.66
	12-May-2014				36.56	3815.28
	12-Feb-2014				35.33	3816.51
	6-Nov-2013				35.67	3816.17
	6-Aug-2013				34.19	3817.65
	7-May-2013				34.06	3817.78
	7-Feb-2013				33.58	3818.26
	24-Oct-2012				34.08	3817.76
	30-Jul-2012				33.80	3818.04
	23-Apr-2012				33.09	3818.75
	26-Jan-2012				32.29	3819.55
	8-Dec-2011				32.40	3819.44
	9-Jul-2011				31.77	3820.07
	20-Apr-2011				30.69	3821.15
	17-Jan-2011				29.72	3822.12
14-Sep-2010	30.19	3821.65				
24-Jun-2010	29.30	3822.54				
22-Mar-2010	Unable to open well					
8-Dec-2009	29.75	3822.09				
28-Aug-2009	30.08	3821.76				
26-May-2009	29.88	3821.96				
11-Dec-2008	29.13	3822.71				
27-Sep-2008	29.79	3822.05				
10-Jun-2008	30.20	3821.64				
5-Feb-2008	29.10	3822.74				
13-Nov-2007	29.25	3822.59				
12-Sep-2007	29.77	3822.07				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
70-02	19-Feb-2019	423412.73	1511192.51	3861.25	46.64	3814.61
	12-Nov-2018				46.90	3814.35
	6-Aug-2018				47.78	3813.47
	17-May-2018				47.19	3814.06
	5-Feb-2018				45.97	3815.28
	6-Nov-2017				46.85	3814.40
	8-Aug-2017				47.85	3813.40
	15-May-2017				47.93	3813.32
	6-Feb-2017				46.70	3814.55
	7-Nov-2016				47.74	3813.51
	15-Aug-2016				48.46	3812.79
	16-May-2016				48.26	3812.99
	9-Feb-2016				46.96	3814.29
	6-Nov-2015				47.58	3813.67
	5-Aug-2015				48.06	3813.19
	6-May-2015				47.40	3813.85
	5-Feb-2015				46.00	3815.25
	5-Nov-2014				46.67	3814.58
	13-Aug-2014				46.73	3814.52
	12-May-2014				46.08	3815.17
	12-Feb-2014				44.75	3816.50
	6-Nov-2013				45.31	3815.94
	6-Aug-2013				43.87	3817.38
	7-May-2013				43.16	3818.09
	7-Feb-2013				43.13	3818.12
	24-Oct-2012				43.66	3817.59
	30-Jul-2012				43.33	3817.92
	23-Apr-2012				42.60	3818.65
	26-Jan-2012				41.81	3819.44
	8-Dec-2011				41.89	3819.36
	19-Jul-2011				41.52	3819.73
	20-Apr-2011				40.46	3820.79
	17-Jan-2011				38.90	3822.35
	14-Sep-2010				39.96	3821.29
	24-Jun-2010				39.01	3822.24
	22-Mar-2010				39.54	3821.71
	8-Dec-2009				39.42	3821.83
	28-Aug-2009				39.81	3821.44
	26-May-2009				39.56	3821.69
	11-Dec-2008				38.84	3822.41
	27-Sep-2008				39.20	3822.05
	10-Jun-2008				39.90	3821.35
	6-Feb-2008				39.77	3821.48
	14-Nov-2007				39.01	3822.24
	11-Sep-2007				39.60	3821.65

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
70-04	19-Feb-2019	422798.94	1510922.20	3849.81	35.00	3814.81
	12-Nov-2018				35.09	3814.72
	6-Aug-2018				35.90	3813.91
	17-May-2018				35.55	3814.26
	5-Feb-2018				34.36	3815.45
	6-Nov-2017				35.11	3814.70
	8-Aug-2017				36.22	3813.59
	15-May-2017				36.36	3813.45
	6-Feb-2017				35.31	3814.50
	7-Nov-2016				36.15	3813.66
	15-Aug-2016				36.92	3812.89
	16-May-2016				36.90	3812.91
	9-Feb-2016				35.63	3814.18
	6-Nov-2015				36.17	3813.64
	5-Aug-2015				36.74	3813.07
	6-May-2015				36.13	3813.68
	5-Feb-2015				34.78	3815.03
	5-Nov-2014				35.20	3814.61
	13-Aug-2014				35.31	3814.50
	12-May-2014				34.81	3815.00
	12-Feb-2014				33.52	3816.29
	7-Nov-2013				34.05	3815.76
6-Aug-2013	32.03	3817.78				
7-May-2013	31.80	3818.01				
7-Feb-2013	31.85	#NULL!				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
<b>Buena Vista Dairy I</b>						
86-01	19-Feb-2019	421534.62	1511667.76	3864.96	50.15	3814.81
	12-Nov-2018				50.04	3814.92
	6-Aug-2018				50.62	3814.34
	17-May-2018				50.71	3814.25
	5-Feb-2018				49.60	3815.36
	6-Nov-2017				50.25	3814.71
	7-Aug-2017				51.12	3813.84
	15-May-2017				51.43	3813.53
	6-Feb-2017				50.60	3814.36
	7-Nov-2016				51.26	3813.70
	15-Aug-2016				51.89	3813.07
	16-May-2016				52.08	3812.88
	9-Feb-2016				51.00	3813.96
	5-Nov-2015				51.43	3813.53
	5-Aug-2015				51.83	3813.13
	6-May-2015				51.44	3813.52
	5-Feb-2015				50.13	3814.83
	5-Nov-2014				50.40	3814.56
	13-Aug-2014				50.29	3814.67
	12-May-2014				50.20	3814.76
	17-Feb-2014				48.87	3816.09
	6-Nov-2013				42.33	3822.63
	6-Aug-2013				47.43	3817.53
	7-May-2013				47.21	3817.75
	7-Feb-2013				47.35	3817.61
	24-Oct-2012				47.61	3817.35
	30-Jul-2012				47.26	3817.70
	23-Apr-2012				46.86	3818.10
	30-Jan-2012				46.34	3818.62
	8-Dec-2011				46.22	3818.74
	19-Jul-2011				45.66	3819.30
	20-Apr-2011				44.28	3820.68
	17-Jan-2011				44.30	3820.66
16-Sep-2010	44.09	3820.87				
24-Jun-2010	44.39	3820.57				
22-Mar-2010	44.19	3820.77				
8-Dec-2009	43.89	3821.07				
28-Aug-2009	43.96	3821.00				
26-May-2009	44.03	3820.93				
11-Dec-2008	43.53	3821.43				
28-Sep-2008	43.60	3821.36				
10-Jun-2008	44.44	3820.52				
5-Feb-2008	43.69	3821.27				
13-Nov-2007	43.78	3821.18				
12-Sep-2007	44.21	3820.75				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
86-02	19-Feb-2019	421792.08	1510881.53	3848.08	32.27	3815.81
	12-Nov-2018				31.95	3816.13
	6-Aug-2018				32.15	3815.93
	17-May-2018				32.49	3815.59
	5-Feb-2018				31.66	3816.42
	6-Nov-2017				32.05	3816.03
	7-Aug-2017				33.08	3815.00
	15-May-2017				33.50	3814.58
	6-Feb-2017				33.09	3814.99
	7-Nov-2016				33.40	3814.68
	15-Aug-2016				34.15	3813.93
	16-May-2016				34.45	3813.63
	9-Feb-2016				33.64	3814.44
	5-Nov-2015				33.87	3814.21
	5-Aug-2015				34.35	3813.73
	6-May-2015				33.97	3814.11
	5-Feb-2015				32.88	3815.20
	5-Nov-2014				33.01	3815.07
	12-Aug-2014				32.62	3815.46
	12-May-2014				32.70	3815.38
	12-Feb-2014				31.62	3816.46
	6-Nov-2013				31.68	3816.40
	6-Aug-2013				30.37	3817.71
	7-May-2013				30.13	3817.95
	7-Feb-2013				30.07	3818.01
	24-Oct-2012				29.71	3818.37
	30-Jul-2012				29.71	3818.37
	23-Apr-2012				29.43	3818.65
	30-Jan-2012				28.94	3819.14
	8-Dec-2011				28.77	3819.31
	19-Jul-2011				27.74	3820.34
	20-Apr-2011				27.18	3820.90
	17-Jan-2011				26.34	3821.74
	16-Sep-2010				26.18	3821.90
	24-Jun-2010				26.79	3821.29
	22-Mar-2010				26.54	3821.54
	8-Dec-2009				26.33	3821.75
	28-Aug-2009				26.11	3821.97
	26-May-2009				26.29	3821.79
	11-Dec-2008				25.77	3822.31
	28-Sep-2008				25.78	3822.3
	10-Jun-2008				26.65	3821.43
	5-Feb-2008				26.95	3821.13
	13-Nov-2007				25.88	3822.2
	12-Sep-2007				26.19	3821.89

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
<b>Bright Star Dairy</b>						
340-01	19-Feb-2019	421410.13	1511423.42	3858.48	43.18	3815.30
	12-Nov-2018				42.93	3815.55
	6-Aug-2018				43.18	3815.30
	17-May-2018				43.66	3814.82
	5-Feb-2018				42.66	3815.82
	6-Nov-2017				43.15	3815.33
	8-Aug-2017				44.00	3814.48
	15-May-2017				44.49	3813.99
	6-Feb-2017				43.92	3814.56
	7-Nov-2016				44.31	3814.17
	15-Aug-2016				44.97	3813.51
	16-May-2016				45.23	3813.25
	9-Feb-2016				44.37	3814.11
	6-Nov-2015				44.60	3813.88
	5-Aug-2015				45.01	3813.47
	6-May-2015				44.62	3813.86
	5-Feb-2015				43.56	3814.92
	5-Nov-2014				43.66	3814.82
	12-Aug-2014				43.32	3815.16
	12-May-2014				43.49	3814.99
	12-Feb-2014				42.30	3816.18
	6-Nov-2013				42.33	3816.15
	6-Aug-2013				41.21	3817.27
	7-May-2013				40.80	3817.68
	7-Feb-2013				40.75	3817.73
	24-Oct-2012				40.82	3817.66
	30-Jul-2012				40.44	3818.04
	23-Apr-2012				40.16	3818.32
	25-Jan-2012				39.70	3818.78
	8-Dec-2011				39.54	3818.94
	19-Jul-2011				38.74	3819.74
	20-Apr-2011				38.14	3820.34
17-Jan-2011	37.33	3821.15				
14-Sep-2010	37.20	3821.28				
24-Jun-2010	38.05	3820.43				
22-Mar-2010	37.48	3821.00				
8-Dec-2009	37.26	3821.22				
28-Aug-2009	37.10	3821.38				
26-May-2009	37.26	3821.22				
11-Dec-2008	36.79	3821.69				
27-Sep-2008	36.77	3821.71				
10-Jun-2008	37.63	3820.85				
6-Feb-2008	37.03	3821.45				
14-Nov-2007	37.00	3821.48				
11-Sep-2007	37.36	3821.12				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
340-02	19-Feb-2019	420641.08	1512051.57	3869.76	54.67	3815.09
	12-Nov-2018				54.45	3815.31
	6-Aug-2018				54.46	3815.30
	17-May-2018				55.35	3814.41
	5-Feb-2018				54.27	3815.49
	6-Nov-2017				54.74	3815.02
	8-Aug-2017				55.60	3814.16
	15-May-2017				56.00	3813.76
	6-Feb-2017				55.43	3814.33
	7-Nov-2016				55.78	3813.98
	15-Aug-2016				56.52	3813.24
	16-May-2016				56.40	3813.36
	9-Feb-2016				55.84	3813.92
	6-Nov-2015				56.01	3813.75
	5-Aug-2015				56.46	3813.30
	6-May-2015				56.10	3813.66
	5-Feb-2015				55.00	3814.76
	5-Nov-2014				55.05	3814.71
	12-Aug-2014				54.65	3815.11
	12-May-2014				54.80	3814.96
	12-Feb-2014				53.80	3815.96
	6-Nov-2013				53.59	3816.17
	6-Aug-2013				52.92	3816.84
	7-May-2013				52.34	3817.42
	7-Feb-2013				52.29	3817.47
	24-Oct-2012				52.26	3817.50
	30-Jul-2012				51.67	3818.09
	23-Apr-2012				51.61	3818.15
	25-Jan-2012				51.31	3818.45
	8-Dec-2011				51.07	3818.69
	19-Jul-2011				50.24	3819.52
	20-Apr-2011				48.86	3820.90
	17-Jan-2011				49.00	3820.76
	14-Sep-2010				48.80	3820.96
	24-Jun-2010				49.67	3820.09
	22-Mar-2010				49.17	3820.59
	8-Dec-2009				49.03	3820.73
	28-Aug-2009				48.79	3820.97
	26-May-2009				48.94	3820.82
	11-Dec-2008				48.62	3821.14
	28-Sep-2008				48.48	3821.28
	10-Jun-2008				49.30	3820.46
	5-Feb-2008				48.90	3820.86
	14-Nov-2007				48.84	3820.92
	12-Sep-2007				49.28	3820.48

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
<b>Former D&amp;J Dairy (Dominguez 2)</b>						
42-02	19-Feb-2019	419982.45	1511126.19	3844.69	27.30	3817.39
	13-Nov-2018				27.08	3817.61
	6-Aug-2018				25.50	3819.19
	17-May-2018				27.76	3816.93
	6-Feb-2018				27.10	3817.59
	7-Nov-2017				27.20	3817.49
	8-Aug-2017				27.34	3817.35
	15-May-2017				28.75	3815.94
	6-Feb-2017				29.21	3815.48
	7-Nov-2016				28.80	3815.89
	15-Aug-2016				28.80	3815.89
	17-May-2016				29.82	3814.87
	9-Feb-2016				29.95	3814.74
	5-Nov-2015				29.75	3814.94
	5-Aug-2015				29.41	3815.28
	7-May-2015				29.77	3814.92
	5-Feb-2015				29.23	3815.46
	10-Nov-2014				28.96	3815.73
	13-Aug-2014				27.44	3817.25
	13-May-2014				28.53	3816.16
	12-Feb-2014				27.97	3816.72
	6-Nov-2013				26.34	3818.35
	14-Aug-2013				26.66	3818.03
	7-May-2013				26.53	3818.16
	7-Feb-2013				26.48	3818.21
	24-Oct-2012				25.91	3818.78
	31-Jul-2012				25.05	3819.64
	23-Apr-2012				25.46	3819.23
	26-Jan-2012				25.71	3818.98
	8-Dec-2011				25.35	3819.34
	19-Jul-2011				23.15	3821.54
	19-Apr-2011				22.80	3821.89
18-Jan-2011	23.30	3821.39				
15-Sep-2010	22.34	3822.35				
24-Jun-2010	22.84	3821.85				
22-Mar-2010	23.16	3821.53				
8-Dec-2009	22.87	3821.82				
28-Aug-2009	22.43	3822.26				
26-May-2009	22.73	3821.96				
11-Dec-2008	22.91	3821.78				
27-Sep-2008	22.28	3822.41				
10-Jun-2008	23.12	3821.57				
6-Feb-2008	23.43	3821.26				
13-Nov-2007	23.00	3821.69				
12-Sep-2007	23.15	3821.54				



**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
42-03	19-Feb-2019	419710.55	1514064.35	3898.46	85.05	3813.41
	13-Nov-2018				85.10	3813.36
	6-Aug-2018				85.91	3812.55
	17-May-2018				87.46	3811.00
	6-Feb-2018				84.66	3813.80
	7-Nov-2017				85.30	3813.16
	8-Aug-2017				86.20	3812.26
	15-May-2017				86.58	3811.88
	6-Feb-2017				85.27	3813.19
	7-Nov-2016				85.99	3812.47
	15-Aug-2016				86.55	3811.91
	17-May-2016				86.96	3811.50
	9-Feb-2016				85.37	3813.09
	5-Nov-2015				85.63	3812.83
	5-Aug-2015				87.05	3811.41
	7-May-2015				86.30	3812.16
	5-Feb-2015				84.36	3814.10
	10-Nov-2014				84.63	3813.83
	12-Aug-2014				84.73	3813.73
	13-May-2014				85.05	3813.41
	12-Feb-2014				83.40	3815.06
	6-Nov-2013				83.89	3814.57
	6-Aug-2013				82.46	3816.00
	7-May-2013				81.97	3816.49
	7-Feb-2013				82.01	3816.45
	24-Oct-2012				82.70	3815.76
	31-Jul-2012				82.49	3815.97
	23-Apr-2012				81.57	3816.89
	25-Jan-2012				81.18	3817.28
	8-Dec-2011				81.26	3817.20
	19-Jul-2011				81.33	3817.13
	19-Apr-2011				80.21	3818.25
	18-Jan-2011				79.33	3819.13
	15-Sep-2010				79.91	3818.55
	24-Jun-2010				81.12	3817.34
	22-Mar-2010				79.57	3818.89
	8-Dec-2009				79.12	3819.34
	28-Aug-2009				79.26	3819.20
	26-May-2009				79.42	3819.04
	11-Dec-2008				78.89	3819.57
	27-Sep-2008				78.91	3819.55
	10-Jun-2008				79.91	3818.55
	6-Feb-2008				79.76	3818.70
	13-Nov-2007				79.15	3819.31
	12-Sep-2007				79.71	3818.75

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
42-06	19-Feb-2019	420021.61	1511465.15	3850.15	33.60	3816.55
	13-Nov-2018				33.29	3816.86
	6-Aug-2018				32.20	3817.95
	17-May-2018				34.08	3816.07
	6-Feb-2018				33.35	3816.80
	7-Nov-2017				33.54	3816.61
	8-Aug-2017				33.90	3816.25
	15-May-2017				34.92	3815.23
	6-Feb-2017				35.16	3814.99
	7-Nov-2016				34.93	3815.22
	15-Aug-2016				35.07	3815.08
	17-May-2016				35.91	3814.24
	9-Feb-2016				35.80	3814.35
	5-Nov-2015				35.37	3814.78
	5-Aug-2015				35.52	3814.63
	7-May-2015				35.70	3814.45
	5-Feb-2015				35.08	3815.07
	10-Nov-2014				34.83	3815.32
	13-Aug-2014				33.65	3816.50
	13-May-2014				34.50	3815.65
	12-Feb-2014				33.85	3816.30
	6-Nov-2013				31.68	3818.47
	6-Aug-2013				31.24	3818.91
	7-May-2013				32.71	3817.44
	7-Feb-2013				32.30	3817.85
	24-Oct-2012				31.80	3818.35
	31-Jul-2012				31.15	3819.00
	23-Apr-2012				31.37	3818.78
	25-Jan-2012				31.51	3818.64
	8-Dec-2011				31.19	3818.96
	19-Jul-2011				29.37	3820.78
	19-Apr-2011				29.66	3820.49
	18-Jan-2011				29.18	3820.97
	15-Sep-2010				28.36	3821.79
	24-Jun-2010				28.96	3821.19
	22-Mar-2010				29.04	3821.11
	8-Dec-2009				28.90	3821.25
	28-Aug-2009				28.44	3821.71
	26-May-2009				28.70	3821.45
	11-Dec-2008				28.75	3821.40
	27-Sep-2008				28.27	3821.88
	10-Jun-2008				29.03	3821.12
	6-Feb-2008				29.24	3820.91
	13-Nov-2007				28.87	3821.28
	12-Sep-2007				29.03	3821.12

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>	
42-07	19-Feb-2019	420584.8	1513076.66	3891.52		Dry	
	13-Nov-2018					Dry	
	6-Aug-2018					Dry	
	17-May-2018					Dry	
	6-Feb-2018					Dry	
	7-Nov-2017					Dry	
	8-Aug-2017					Dry	
	15-May-2017					Dry	
	6-Feb-2017					Dry	
	7-Nov-2016					Dry	
	15-Aug-2016					Dry	
	17-May-2016					Dry	
	9-Feb-2016					Dry	
	5-Nov-2015					Dry	
	5-Aug-2015					Dry	
	7-May-2015					Dry	
	5-Feb-2015					Dry	
	10-Nov-2014					Dry	
	13-Aug-2014					Dry	
	13-May-2014					Dry	
	12-Feb-2014					Dry	
	6-Nov-2013					Dry	
	6-Aug-2013					Dry	
	7-May-2013					Dry	
	7-Feb-2013					Dry	
	24-Oct-2012					Dry	
	31-Jul-2012					Dry	
	23-Apr-2012					Dry	
	25-Jan-2012					Dry	
	8-Dec-2011					Dry	
	19-Jul-2011					Dry	
	19-Apr-2011					72.19	3819.33
	18-Jan-2011					71.37	3820.15
	15-Sep-2010					71.64	3819.88
	24-Jun-2010					72.24	3819.28
	22-Mar-2010					71.43	3820.09
8-Dec-2009		71.26	3820.26				
28-Aug-2009		71.26	3820.26				
26-May-2009		71.31	3820.21				
11-Dec-2008		70.87	3820.65				
27-Sep-2008		70.95	3820.57				
10-Jun-2008		71.71	3819.81				
6-Feb-2008		71.00	3820.52				
13-Nov-2007		71.12	3820.40				
12-Sep-2007		71.61	3819.91				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
42-08	19-Feb-2019	419994.93	1511197.91	3846.53	29.42	3817.11
	13-Nov-2018				29.14	3817.39
	6-Aug-2018				27.74	3818.79
	17-May-2018				29.88	3816.65
	6-Feb-2018				29.20	3817.33
	7-Nov-2017				29.37	3817.16
	8-Aug-2017				29.53	3817.00
	15-May-2017				30.80	3815.73
	6-Feb-2017				31.22	3815.31
	7-Nov-2016				30.87	3815.66
	15-Aug-2016				30.90	3815.63
	17-May-2016				Dry	
	9-Feb-2016				Dry	
	5-Nov-2015				Dry	
	5-Aug-2015				31.45	3815.08
	7-May-2015				31.77	3814.76
	5-Feb-2015				31.23	3815.30
	10-Nov-2014				30.97	3815.56
	13-Aug-2014				29.54	3816.99
	13-May-2014				30.68	3815.85
	12-Feb-2014				29.98	3816.55
	6-Nov-2013				28.26	3818.27
	6-Aug-2013				27.97	3818.56
	7-May-2013				28.69	3817.84
	7-Feb-2013				28.43	3818.10
	24-Oct-2012				27.92	3818.61
	31-Jul-2012				27.11	3819.42
	23-Apr-2012				27.51	3819.02
	26-Jan-2012				27.68	3818.85
	8-Dec-2011				27.33	3819.20
	19-Jul-2011				25.24	3821.29
	19-Apr-2011				25.72	3820.81
	18-Jan-2011				25.28	3821.25
	15-Sep-2010				24.37	3822.16
	24-Jun-2010				24.91	3821.62
	22-Mar-2010				25.15	3821.38
	8-Dec-2009				24.91	3821.62
	28-Aug-2009				24.46	3822.07
	26-May-2009				24.75	3821.78
	11-Dec-2008				24.88	3821.65
27-Sep-2008	24.30	3822.23				
10-Jun-2008	25.13	3821.40				
6-Feb-2008	25.41	3821.12				
13-Nov-2007	25.00	3821.53				
12-Sep-2007	25.13	3821.40				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
42-09	19-Feb-2019	419729.17	1512255.76	3865.25	49.69	3815.56
	13-Nov-2018				49.30	3815.95
	6-Aug-2018				48.59	3816.66
	17-May-2018				50.22	3815.03
	6-Feb-2018				49.37	3815.88
	7-Nov-2017				49.53	3815.72
	8-Aug-2017				50.35	3814.90
	15-May-2017				50.78	3814.47
	6-Feb-2017				50.95	3814.30
	7-Nov-2016				50.98	3814.27
	15-Aug-2016				51.29	3813.96
	17-May-2016				51.73	3813.52
	9-Feb-2016				51.39	3813.86
	5-Nov-2015				Damaged	
	5-Aug-2015				51.34	3813.91
	7-May-2015				51.23	3814.02
	5-Feb-2015				50.51	3814.74
	10-Nov-2014				50.21	3815.04
	12-Aug-2014				49.45	3815.80
	13-May-2014				49.85	3815.40
	12-Feb-2014				49.36	3815.89
	6-Nov-2013				48.23	3817.02
	6-Aug-2013				47.88	3817.37
	7-May-2013				48.04	3817.21
	7-Feb-2013				47.79	3817.46
	24-Oct-2012				47.29	3817.96
	31-Jul-2012				46.98	3818.27
	23-Apr-2012				46.93	3818.32
	25-Jan-2012				46.95	3818.30
	8-Dec-2011				46.76	3818.49
	19-Jul-2011				45.54	3819.71
	19-Apr-2011				45.38	3819.87
	18-Jan-2011				44.87	3820.38
	15-Sep-2010				44.21	3821.04
	24-Jun-2010				44.99	3820.26
	22-Mar-2010				44.72	3820.53
	8-Dec-2009				44.70	3820.55
	28-Aug-2009				44.32	3820.93
	26-May-2009				44.50	3820.75
	11-Dec-2008				44.39	3820.86
	27-Sep-2008				44.12	3821.13
10-Jun-2008	44.77	3820.48				
6-Feb-2008	44.80	3820.45				
13-Nov-2007	44.47	3820.78				
12-Sep-2007	44.73	3820.52				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
42-10	19-Feb-2019	421426.39	1514460.4	3929.28	116.10	3813.18
	13-Nov-2018				116.55	3812.73
	6-Aug-2018				117.51	3811.77
	17-May-2018				117.25	3812.03
	6-Feb-2018				115.60	3813.68
	7-Nov-2017				116.45	3812.83
	9-Aug-2017				117.45	3811.83
	15-May-2017				117.22	3812.06
	6-Feb-2017				115.88	3813.40
	7-Nov-2016				116.40	3812.88
	15-Aug-2016				117.36	3811.92
	17-May-2016				117.40	3811.88
	9-Feb-2016				115.85	3813.43
	5-Nov-2015				116.29	3812.99
	5-Aug-2015				117.00	3812.28
	12-May-2015				116.10	3813.18
	6-Feb-2015				114.95	3814.33
	10-Nov-2014				115.52	3813.76
	14-Aug-2014				115.37	3813.91
	13-May-2014				115.15	3814.13
	12-Feb-2014				113.97	3815.31
	6-Nov-2013				115.21	3814.07
	6-Aug-2013				113.03	3816.25
	7-May-2013				112.81	3816.47
	7-Feb-2013				112.29	3816.99
	24-Oct-2012				112.95	3816.33
	31-Jul-2012				112.87	3816.41
	23-Apr-2012				111.87	3817.41
	25-Jan-2012				110.98	3818.30
	8-Dec-2011				111.16	3818.12
	19-Jul-2011				111.21	3818.07
	19-Apr-2011				110.06	3819.22
	18-Jan-2011				109.19	3820.09
	15-Sep-2010				110.24	3819.04
	27-Jun-2010				110.35	3818.93
	22-Mar-2010				109.47	3819.81
	8-Dec-2009				109.41	3819.87
	28-Aug-2009				109.67	3819.61
	26-May-2009				109.53	3819.75
	11-Dec-2008				109.00	3820.28
	27-Sep-2008				109.49	3819.79
	11-Jun-2008				109.88	3819.40
	6-Feb-2008				108.98	3820.30
	14-Nov-2007				109.36	3819.92
	12-Sep-2007				109.92	3819.36

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
42-11	19-Feb-2019	420693.98	1515270.32	3939.31	126.61	3812.70
	13-Nov-2018				127.35	3811.96
	6-Aug-2018				127.90	3811.41
	17-May-2018				127.49	3811.82
	6-Feb-2018				126.31	3813.00
	7-Nov-2017				127.08	3812.23
	8-Aug-2017				127.76	3811.55
	15-May-2017				127.55	3811.76
	6-Feb-2017				126.48	3812.83
	7-Nov-2016				127.48	3811.83
	15-Aug-2016				127.82	3811.49
	17-May-2016				127.50	3811.81
	9-Feb-2016				126.40	3812.91
	5-Nov-2015				126.80	3812.51
	5-Aug-2015				127.08	3812.23
	12-May-2015				126.42	3812.89
	6-Feb-2015				125.43	3813.88
	10-Nov-2014				125.97	3813.34
	14-Aug-2014				125.85	3813.46
	13-May-2014				125.27	3814.04
	12-Feb-2014				123.96	3815.35
	6-Nov-2013				125.37	3813.94
	6-Aug-2013				124.06	3815.25
	7-May-2013				123.24	3816.07
	7-Feb-2013				122.91	3816.40
	24-Oct-2012				123.44	3815.87
	31-Jul-2012				123.11	3816.20
	23-Apr-2012				122.09	3817.22
	25-Jan-2012				121.67	3817.64
	8-Dec-2011				121.83	3817.48
	19-Jul-2011				121.73	3817.58
	19-Apr-2011				120.64	3818.67
	18-Jan-2011				120.01	3819.30
	15-Sep-2010				121.02	3818.29
27-Jun-2010	121.05	3818.26				
22-Mar-2010	120.18	3819.13				
8-Dec-2009	120.21	3819.10				
28-Aug-2009	120.51	3818.80				
26-May-2009	120.35	3818.96				
11-Dec-2008	119.88	3819.43				
27-Sep-2008	120.29	3819.02				
11-Jun-2008	120.57	3818.74				
6-Feb-2008	119.84	3819.47				
14-Nov-2007	120.24	3819.07				
12-Sep-2007	120.74	3818.57				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
42-12	19-Feb-2019	420972.09	1515423.88	3945.83	133.15	3812.68
	13-Nov-2018				133.90	3811.93
	6-Aug-2018				134.45	3811.38
	17-May-2018				133.95	3811.88
	6-Feb-2018				132.89	3812.94
	7-Nov-2017				133.64	3812.19
	8-Aug-2017				Not accessible	
	15-May-2017				133.90	3811.93
	6-Feb-2017				132.92	3812.91
	7-Nov-2016				133.88	3811.95
	15-Aug-2016				134.14	3811.69
	17-May-2016				133.77	3812.06
	9-Feb-2016				132.75	3813.08
	5-Nov-2015				133.16	3812.67
	5-Aug-2015				134.36	3811.47
	7-May-2015				133.05	3812.78
	6-Feb-2015				131.76	3814.07
	10-Nov-2014				132.31	3813.52
	14-Aug-2014				132.13	3813.70
	13-May-2014				131.63	3814.20
	12-Feb-2014				129.89	3815.94
	6-Nov-2013				131.11	3814.72
	6-Aug-2013				130.08	3815.75
	7-May-2013				129.59	3816.24
	7-Feb-2013				129.18	3816.65
	24-Oct-2012				129.74	3816.09
	31-Jul-2012				129.44	3816.39
	23-Apr-2012				128.71	3817.12
	25-Jan-2012				128.06	3817.77
	8-Dec-2011				128.14	3817.69
	19-Jul-2011				128.01	3817.82
	19-Apr-2011				126.37	3819.46
	18-Jan-2011				126.37	3819.46
	15-Sep-2010				127.38	3818.45
	27-Jun-2010				127.43	3818.40
	22-Mar-2010				126.50	3819.33
8-Dec-2009	126.60	3819.23				
28-Aug-2009	126.84	3818.99				
26-May-2009	126.68	3819.15				
11-Dec-2008	126.18	3819.65				
27-Sep-2008	126.68	3819.15				
11-Jun-2008	126.88	3818.95				
6-Feb-2008	126.16	3819.67				
14-Nov-2007	126.55	3819.28				
12-Sep-2007	127.04	3818.79				



**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
42-13	19-Feb-2019	419734.06	1512534.42	3873.10	58.10	3815.00
	13-Nov-2018				57.70	3815.40
	6-Aug-2018				57.18	3815.92
	17-May-2018				58.70	3814.40
	6-Feb-2017				57.77	3815.33
	7-Nov-2017				57.98	3815.12
	8-Aug-2017				58.75	3814.35
	15-May-2017				59.15	3813.95
	6-Feb-2017				58.90	3814.20
	7-Nov-2016				59.00	3814.10
	15-Aug-2016				59.40	3813.70
	17-May-2016				59.73	3813.37
	9-Feb-2016				59.30	3813.80
	5-Nov-2015				59.28	3813.82
	5-Aug-2015				59.04	3814.06
	7-May-2015				59.37	3813.73
	5-Feb-2015				58.50	3814.60
	10-Nov-2014				57.27	3815.83
	12-Aug-2014				57.56	3815.54
	13-May-2014				57.95	3815.15
	17-Feb-2014				57.38	3815.72
	6-Nov-2013				56.31	3816.79
	6-Aug-2013				56.01	3817.09
	7-May-2013				56.02	3817.08
	7-Feb-2013				55.86	3817.24
	24-Oct-2012				55.40	3817.70
	31-Jul-2012				55.17	3817.93
	23-Apr-2012				54.96	3818.14
	25-Jan-2012				54.99	3818.11
	8-Dec-2011				54.83	3818.27
	19-Jul-2011				53.77	3819.33
	19-Apr-2011				53.50	3819.60
	18-Jan-2011				52.95	3820.15
	15-Sep-2010				52.44	3820.66
	24-Jun-2010				53.21	3819.89
	22-Mar-2010				52.84	3820.26
	8-Dec-2009				52.79	3820.31
	28-Aug-2009				52.45	3820.65
	26-May-2009				52.64	3820.46
	11-Dec-2008				52.49	3820.61
	27-Sep-2008				52.23	3820.87
	10-Jun-2008				52.91	3820.19
	6-Feb-2008				52.84	3820.26
	13-Nov-2007				52.56	3820.54
	12-Sep-2007				52.83	3820.27

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
<b>Dominguez Dairy</b>						
624-01	19-Feb-2019	418826.21	1512131.46	3843.72	27.80	3815.92
	12-Nov-2018				27.03	3816.69
	6-Aug-2018				24.25	3819.47
	14-May-2018				26.91	3816.81
	5-Feb-2018				27.43	3816.29
	6-Nov-2017				27.11	3816.61
	7-Aug-2017				27.76	3815.96
	15-May-2017				28.08	3815.64
	7-Feb-2017				29.10	3814.62
	7-Nov-2016				28.41	3815.31
	15-Aug-2016				28.49	3815.23
	16-May-2016				28.53	3815.19
	9-Feb-2016				29.47	3814.25
	5-Nov-2015				29.23	3814.49
	5-Aug-2015				28.20	3815.52
	6-May-2015				28.06	3815.66
	5-Feb-2015				28.95	3814.77
	10-Nov-2014				28.24	3815.48
	12-Aug-2014				26.64	3817.08
	12-May-2014				27.38	3816.34
	12-Feb-2014				28.10	3815.62
	7-Nov-2013				26.34	3817.38
	6-Aug-2013				25.98	3817.74
	7-May-2013				26.21	3817.51
	7-Feb-2013				26.39	3817.33
	24-Oct-2012				25.89	3817.83
	30-Jul-2012				26.12	3817.60
	24-Apr-2012				26.02	3817.70
	25-Jan-2012				25.51	3818.21
	7-Dec-2011				25.19	3818.53
	19-Jul-2011				23.22	3820.50
	19-Apr-2011				23.75	3819.97
18-Jan-2011	23.53	3820.19				
15-Sep-2010	21.40	3822.32				
24-Jun-2010	22.48	3821.24				
22-Mar-2010	22.83	3820.89				
8-Dec-2009	23.33	3820.39				
28-Aug-2009	22.72	3821.00				
27-May-2009	22.92	3820.80				
11-Dec-2008	23.11	3820.61				
27-Sep-2008	22.62	3821.10				
10-Jun-2008	22.72	3821.00				
5-Feb-2008	23.64	3820.08				
13-Nov-2007	22.87	3820.85				
12-Sep-2007	22.94	3820.78				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
624-02	19-Feb-2019	417335.25	1512201.42	3835.45	19.64	3815.81
	12-Nov-2018				18.67	3816.78
	6-Aug-2018				14.48	3820.97
	14-May-2018				19.04	3816.41
	5-Feb-2017				19.15	3816.30
	6-Nov-2017				18.33	3817.12
	8-Aug-2017				18.42	3817.03
	15-May-2017				19.94	3815.51
	7-Feb-2017				20.87	3814.58
	7-Nov-2016				19.47	3815.98
	15-Aug-2016				19.06	3816.39
	16-May-2016				20.57	3814.88
	9-Feb-2016				21.36	3814.09
	5-Nov-2015				20.82	3814.63
	5-Aug-2015				19.45	3816.00
	6-May-2015				19.81	3815.64
	5-Feb-2015				20.95	3814.50
	6-Nov-2014				19.65	3815.80
	12-Aug-2014				19.12	3816.33
	12-May-2014				19.00	3816.45
	12-Feb-2014				20.00	3815.45
	7-Nov-2013				18.60	3816.85
	6-Aug-2013				18.83	3816.62
	7-May-2013				19.01	3816.44
	7-Feb-2013				19.10	3816.35
	24-Oct-2012				18.85	3816.60
	30-Jul-2012				18.59	3816.86
	23-Apr-2012				17.97	3817.48
	24-Jan-2012				17.16	3818.29
	7-Dec-2011				17.30	3818.15
	19-Jul-2011				15.23	3820.22
	19-Apr-2011				15.94	3819.51
	17-Jan-2011				15.66	3819.79
	20-Sep-2010				14.04	3821.41
	24-Jun-2010				13.93	3821.52
	22-Mar-2010				15.24	3820.21
	8-Dec-2009				15.61	3819.84
	28-Aug-2009				14.85	3820.60
	27-May-2009				15.14	3820.31
	11-Dec-2008				15.47	3819.98
	27-Sep-2008				14.97	3820.48
	10-Jun-2008				14.87	3820.58
	5-Feb-2008				16.50	3818.95
	13-Nov-2007				15.40	3820.05
	12-Sep-2007				14.94	3820.51

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>			
624-04	19-Feb-2019	418542.24	1508104.07	3835.69	Dry				
	12-Nov-2018				Dry				
	6-Aug-2018				Dry				
	14-May-2018				Dry				
	5-Feb-2017				Dry				
	6-Nov-2017				Dry				
	7-Aug-2017				Dry				
	15-May-2017				Dry				
	7-Feb-2017				Dry				
	7-Nov-2016				Dry				
	15-Aug-2016				Dry				
	16-May-2016				Dry				
	9-Feb-2016				Dry				
	5-Nov-2015				Dry				
	5-Aug-2015				Dry				
	6-May-2015				Dry				
	5-Feb-2015				Dry				
	6-Nov-2014				Dry				
	12-Aug-2014				Dry				
	12-May-2014				Dry				
	12-Feb-2014				Dry				
	7-Nov-2013				Dry				
	6-Aug-2013				Dry				
	7-May-2013				Dry				
	7-Feb-2013				Dry				
	24-Oct-2012				Dry				
	30-Jul-2012				Dry				
	23-Apr-2012				Dry				
	25-Jan-2012				Dry				
	8-Dec-2011				Dry				
	19-Jul-2011							15.39	3820.30
	19-Apr-2011							13.66	3822.03
	18-Jan-2011							13.99	3821.70
	15-Sep-2010							11.43	3824.26
	24-Jun-2010							13.49	3822.20
	22-Mar-2010							14.83	3820.86
8-Dec-2009				13.48	3822.21				
28-Aug-2009				12.49	3823.20				
26-May-2009				12.89	3822.80				
11-Dec-2008				12.99	3822.70				
27-Sep-2008				12.31	3823.38				
10-Jun-2008				14.45	3821.24				
5-Feb-2008				14.13	3821.56				
13-Nov-2007				13.60	3822.09				
12-Sep-2007				14.83	3820.86				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>	
624-05	19-Feb-2019	419777.52	1509829.65	3835.27	16.81	3818.46	
	12-Nov-2018					Dry	
	6-Aug-2018					Dry	
	14-May-2018					Dry	
	5-Feb-2017					Dry	
	6-Nov-2017					Dry	
	7-Aug-2017					Dry	
	15-May-2017					Dry	
	7-Feb-2017					Dry	
	7-Nov-2016					Dry	
	15-Aug-2016					Dry	
	16-May-2016					Dry	
	9-Feb-2016					Dry	
	5-Nov-2015					Dry	
	5-Aug-2015					Dry	
	6-May-2015					Dry	
	5-Feb-2015					Dry	
	6-Nov-2014					Dry	
	12-Aug-2014					Dry	
	12-May-2014					Dry	
	12-Feb-2014					Dry	
	7-Nov-2013					Dry	
	6-Aug-2013					Dry	
	7-May-2013					Dry	
	7-Feb-2013					16.72	3818.55
	24-Oct-2012					16.35	3818.92
	30-Jul-2012					15.89	3819.38
	23-Apr-2012					15.90	3819.37
	25-Jan-2012					15.81	3819.46
	7-Dec-2011					15.25	3820.02
	3-Aug-2011					13.38	3821.89
	19-Apr-2011					13.86	3821.41
	18-Jan-2011					13.11	3822.16
	15-Sep-2010					12.01	3823.26
	24-Jun-2010					12.71	3822.56
	22-Mar-2010					13.21	3822.06
8-Dec-2009		12.54	3822.73				
28-Aug-2009		12.03	3823.24				
26-May-2009		12.58	3822.69				
11-Dec-2008		12.82	3822.45				
27-Sep-2008		11.97	3823.30				
10-Jun-2008		13.19	3822.08				
5-Feb-2008		13.44	3821.83				
13-Nov-2007		13.01	3822.26				
12-Sep-2007		13.31	3821.96				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
624-06	19-Feb-2019	418502.42	1513981.08	3868.18	Dry	
	12-Nov-2018				Dry	
	6-Aug-2018				Dry	
	14-May-2018				Dry	
	5-Feb-2017				Dry	
	6-Nov-2017				Dry	
	7-Aug-2017				Dry	
	15-May-2017				Dry	
	7-Feb-2017				Dry	
	7-Nov-2016				Dry	
	15-Aug-2016				Dry	
	16-May-2016				Dry	
	9-Feb-2016				Dry	
	5-Nov-2015				Dry	
	5-Aug-2015				Dry	
	6-May-2015				Dry	
	5-Feb-2015				Dry	
	6-Nov-2014				Dry	
	12-Aug-2014				Dry	
	12-May-2014				Dry	
	12-Feb-2014				Dry	
	7-Nov-2013				Dry	
	6-Aug-2013				Dry	
	7-May-2013				Dry	
	7-Feb-2013				51.84	3816.34
	24-Oct-2012				51.99	3816.19
	30-Jul-2012				51.30	3816.88
	23-Apr-2012				51.83	3816.35
	25-Jan-2012				51.80	3816.38
	13-Dec-2011				50.89	3817.29
	19-Jul-2011				50.43	3817.75
	19-Apr-2011				49.79	3818.39
	18-Jan-2011				49.31	3818.87
	21-Sep-2010				48.73	3819.45
	24-Jun-2010				50.33	3817.85
	22-Mar-2010				49.62	3818.56
	8-Dec-2009				48.96	3819.22
	28-Aug-2009				48.87	3819.31
	26-May-2009				49.14	3819.04
	11-Dec-2008				48.89	3819.29
27-Sep-2008	48.71	3819.47				
10-Jun-2008	49.67	3818.51				
5-Feb-2008	49.11	3819.07				
13-Nov-2007	48.94	3819.24				
12-Sep-2007	49.17	3819.01				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
624-07	19-Feb-2019	418012.23	1514707.77	3872.25	Dry	
	12-Nov-2018				Dry	
	6-Aug-2018				Dry	
	14-May-2018				Dry	
	5-Feb-2017				Dry	
	6-Nov-2017				Dry	
	7-Aug-2017				55.68	3816.57
	15-May-2017				55.66	3816.59
	7-Feb-2017				55.67	3816.58
	7-Nov-2016				55.65	3816.60
	15-Aug-2016				55.60	3816.65
	20-May-2016				55.66	3816.59
	9-Feb-2016				Dry	
	5-Nov-2015				55.60	3816.65
	5-Aug-2015				55.56	3816.69
	6-May-2015				55.57	3816.68
	5-Feb-2015				55.53	3816.72
	6-Nov-2014				55.57	3816.68
	12-Aug-2014				55.68	3816.57
	12-May-2014				55.61	3816.64
	12-Feb-2014				55.62	3816.63
	7-Nov-2013				Dry	
	6-Aug-2013				Dry	
	7-May-2013				Dry	
	7-Feb-2013				Dry	
	24-Oct-2012				55.58	3816.67
	30-Jul-2012				55.47	3816.78
	23-Apr-2012				Dry	
	25-Jan-2012				55.50	3816.75
	13-Dec-2011				55.46	3816.79
	19-Jul-2011				54.55	3817.70
	19-Apr-2011				54.64	3817.61
	18-Jan-2011				53.91	3818.34
	15-Sep-2010				52.30	3819.95
	24-Jun-2010				55.27	3816.98
	22-Mar-2010				54.21	3818.04
	8-Dec-2009				53.32	3818.93
	28-Aug-2009				53.22	3819.03
	26-May-2009				53.76	3818.49
	11-Dec-2008				53.59	3818.66
27-Sep-2008	53.35	3818.90				
10-Jun-2008	54.34	3817.91				
5-Feb-2008	53.81	3818.44				
13-Nov-2007	53.26	3818.99				
12-Sep-2007	53.03	3819.22				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>	
624-08	19-Feb-2019	421461.78	1507712.04	3838.70	Dry		
	12-Nov-2018				Dry		
	6-Aug-2018				Dry		
	14-May-2018				Dry		
	5-Feb-2017				Dry		
	6-Nov-2017				Dry		
	7-Aug-2017				Dry		
	15-May-2017				Dry		
	7-Feb-2017				Dry		
	7-Nov-2016				Dry		
	15-Aug-2016				Dry		
	16-May-2016				Dry		
	9-Feb-2016				Dry		
	5-Nov-2015				Dry		
	5-Aug-2015				Dry		
	6-May-2015				Dry		
	5-Feb-2015				Dry		
	6-Nov-2014				Dry		
	12-Aug-2014				Dry		
	12-May-2014				Dry		
	12-Feb-2014				Dry		
	7-Nov-2013				Dry		
	6-Aug-2013				Dry		
	7-May-2013				Dry		
	7-Feb-2013				Dry		
	24-Oct-2012				Dry		
	30-Jul-2012				Dry		
	23-Apr-2012				Dry		
	25-Jan-2012				Dry		
	8-Dec-2011				Dry		
	3-Aug-2011				Dry		
	18-Apr-2011					17.72	3820.98
	18-Jan-2011					16.03	3822.67
14-Sep-2010		14.83	3823.87				
24-Jun-2010		16.44	3822.26				
22-Mar-2010		16.42	3822.28				
8-Dec-2009		16.02	3822.68				
28-Aug-2009		15.20	3823.50				
26-May-2009		15.54	3823.16				
11-Dec-2008		14.96	3823.74				
27-Sep-2008		14.84	3823.86				
10-Jun-2008		16.12	3822.58				
5-Feb-2008		15.37	3823.33				
13-Nov-2007		14.71	3823.99				
12-Sep-2007		15.33	3823.37				



**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
<b>Gonzalez Dairy</b>						
177-01	19-Feb-2019	417300.94	1512942.63	3834.27	19.14	3815.13
	12-Nov-2018				18.40	3815.87
	6-Aug-2018				16.00	3818.27
	17-May-2018				19.18	3815.09
	5-Feb-2018				18.80	3815.47
	6-Nov-2017				18.32	3815.95
	8-Aug-2017				18.57	3815.70
	15-May-2017				19.76	3814.51
	7-Feb-2017				20.20	3814.07
	7-Nov-2016				19.25	3815.02
	15-Aug-2016				18.95	3815.32
	16-May-2016				20.48	3813.79
	9-Feb-2016				20.66	3813.61
	5-Nov-2015				20.22	3814.05
	13-Aug-2015				19.21	3815.06
	6-May-2015				19.40	3814.87
	6-Feb-2015				20.14	3814.13
	10-Nov-2014				19.12	3815.15
	13-Aug-2014				17.33	3816.94
	13-May-2014				18.53	3815.74
	12-Feb-2014				19.05	3815.22
	7-Nov-2013				17.97	3816.30
	6-Aug-2013				17.01	3817.26
	7-May-2013				17.81	3816.46
	7-Feb-2013				17.77	3816.50
	25-Oct-2012				15.91	3818.36
	30-Jul-2012				14.88	3819.39
	23-Apr-2012				16.32	3817.95
	26-Jan-2012				16.71	3817.56
	7-Dec-2011				16.36	3817.91
	19-Jul-2011				14.64	3819.63
	19-Apr-2011				14.84	3819.43
	17-Jan-2011				14.43	3819.84
15-Sep-2010	13.30	3820.97				
23-Jun-2010	14.11	3820.16				
22-Mar-2010	14.75	3819.52				
8-Dec-2009	14.68	3819.59				
28-Aug-2009	14.16	3820.11				
26-May-2009	14.35	3819.92				
10-Dec-2008	14.64	3819.63				
27-Sep-2008	14.21	3820.06				
10-Jun-2008	14.50	3819.77				
6-Feb-2008	15.06	3819.21				
13-Nov-2007	14.53	3819.74				
13-Sep-2007	14.03	3820.24				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
177-02	19-Feb-2019	416738.21	1513246.51	3834.66	19.58	3815.08
	12-Nov-2018				19.20	3815.46
	6-Aug-2018				17.05	3817.61
	17-May-2018				20.00	3814.66
	5-Feb-2018				19.45	3815.21
	6-Nov-2017				19.05	3815.61
	8-Aug-2017				19.17	3815.49
	15-May-2017				20.63	3814.03
	7-Feb-2017				20.91	3813.75
	7-Nov-2016				19.95	3814.71
	15-Aug-2016				19.50	3815.16
	16-May-2016				21.35	3813.31
	9-Feb-2016				21.33	3813.33
	5-Nov-2015				20.88	3813.78
	5-Aug-2015				19.91	3814.75
	6-May-2015				20.13	3814.53
	6-Feb-2015				20.75	3813.91
	10-Nov-2014				19.80	3814.86
	13-Aug-2014				18.21	3816.45
	13-May-2014				19.24	3815.42
	12-Feb-2014				19.72	3814.94
	7-Nov-2013				18.66	3816.00
	6-Aug-2013				18.30	3816.36
	7-May-2013				18.69	3815.97
	7-Feb-2013				18.50	3816.16
	25-Oct-2012				17.35	3817.31
	30-Jul-2012				17.80	3816.86
	24-Jan-2012				17.61	3817.05
	7-Dec-2011				16.92	3817.74
	19-Jul-2011				15.41	3819.25
	19-Apr-2011				15.47	3819.19
	17-Jan-2011				14.94	3819.72
	15-Sep-2010				14.23	3820.43
	23-Jun-2010				14.86	3819.80
	22-Mar-2010				15.59	3819.07
	8-Dec-2009				15.29	3819.37
	28-Aug-2009				14.90	3819.76
	26-May-2009				15.09	3819.57
	10-Dec-2008				15.37	3819.29
	27-Sep-2008				14.95	3819.71
	10-Jun-2008				15.41	3819.25
	6-Feb-2008				15.74	3818.92
	13-Nov-2007				15.39	3819.27
	13-Sep-2007				14.72	3819.94

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
177-03A	19-Feb-2019	416206.71	1513777.17	3835.75	21.10	3814.65
	12-Nov-2018				21.20	3814.55
	6-Aug-2018				20.54	3815.21
	17-May-2018				21.90	3813.85
	5-Feb-2018				21.15	3814.60
	6-Nov-2017				20.89	3814.86
	8-Aug-2017				21.23	3814.52
	15-May-2017				22.55	3813.20
	7-Feb-2017				22.52	3813.23
	7-Nov-2016				21.97	3813.78
	15-Aug-2016				21.90	3813.85
	16-May-2016				23.26	3812.49
	9-Feb-2016				22.91	3812.84
	5-Nov-2015				22.68	3813.07
	5-Aug-2015				22.05	3813.70
	6-May-2015				22.26	3813.49
	6-Feb-2015				22.30	3813.45
	10-Nov-2014				21.61	3814.14
	13-Aug-2014				20.51	3815.24
	12-May-2014				21.60	3814.15
	12-Feb-2014				21.41	3814.34
	7-Nov-2013				20.29	3815.46
	6-Aug-2013				19.99	3815.76
	7-May-2013				20.53	3815.22
	7-Feb-2013				20.01	3815.74
	25-Oct-2012				19.18	3816.57
30-Jul-2012	18.24	3817.51				
24-Apr-2012	18.57	3817.18				
24-Jan-2012	18.63	3817.12				
13-Dec-2011	18.51	3817.24				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
177-04	19-Feb-2019	416796.99	1513733.28	3840.33	24.75	3815.58
	12-Nov-2018				24.35	3815.98
	6-Aug-2018				24.29	3816.04
	17-May-2018				26.17	3814.16
	5-Feb-2018				25.52	3814.81
	6-Nov-2017				25.30	3815.03
	16-Aug-2017				25.27	3815.06
	15-May-2017				26.80	3813.53
	7-Feb-2017				26.85	3813.48
	7-Nov-2016				26.21	3814.12
	15-Aug-2016				26.13	3814.20
	16-May-2016				27.45	3812.88
	9-Feb-2016				27.84	3812.49
	5-Nov-2015				26.89	3813.44
	5-Aug-2015				26.25	3814.08
	6-May-2015				26.49	3813.84
	6-Feb-2015				26.58	3813.75
	10-Nov-2014				25.75	3814.58
	13-Aug-2014				24.52	3815.81
	13-May-2014				25.46	3814.87
	12-Feb-2014				25.62	3814.71
	7-Nov-2013				24.75	3815.58
	6-Aug-2013				24.12	3816.21
	7-May-2013				24.67	3815.66
	7-Feb-2013				24.29	3816.04
	25-Oct-2012				23.49	3816.84
	30-Jul-2012				22.68	3817.65
	24-Apr-2012				23.36	3816.97
	24-Jan-2012				22.47	3817.86
	7-Dec-2011				22.97	3817.36
	19-Jul-2011				21.66	3818.67
	19-Apr-2011				21.41	3818.92
	17-Jan-2011				21.22	3819.11
	15-Sep-2010				20.36	3819.97
	23-Jun-2010				21.05	3819.28
	22-Mar-2010				21.71	3818.62
	8-Dec-2009				21.14	3819.19
	28-Aug-2009				20.86	3819.47
	27-May-2009				21.13	3819.20
	10-Dec-2008				21.37	3818.96
	27-Sep-2008				20.86	3819.47
	10-Jun-2008				21.63	3818.70
	6-Feb-2008				21.59	3818.74
	13-Nov-2007				21.30	3819.03
	13-Sep-2007				20.84	3819.49

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
177-05	19-Feb-2019	417302.42	1514116.55	3852.16	38.20	3813.96
	12-Nov-2018				37.63	3814.53
	6-Aug-2018				37.30	3814.86
	17-May-2018				38.60	3813.56
	5-Feb-2018				37.80	3814.36
	6-Nov-2017				37.78	3814.38
	8-Aug-2017				38.26	3813.90
	15-May-2017				39.16	3813.00
	7-Feb-2017				38.95	3813.21
	7-Nov-2016				38.58	3813.58
	15-Aug-2016				38.84	3813.32
	16-May-2016				39.71	3812.45
	9-Feb-2016				39.25	3812.91
	5-Nov-2015				38.90	3813.26
	5-Aug-2015				38.65	3813.51
	6-May-2015				38.97	3813.19
	6-Feb-2015				38.48	3813.68
	10-Nov-2014				37.80	3814.36
	13-Aug-2014				36.70	3815.46
	13-May-2014				37.60	3814.56
	12-Feb-2014				37.51	3814.65
	6-Nov-2013				36.95	3815.21
	6-Aug-2013				36.02	3816.14
	7-May-2013				36.74	3815.42
	7-Feb-2013				36.21	3815.95
	25-Oct-2012				35.72	3816.44
	30-Jul-2012				36.39	3815.77
	24-Apr-2012				36.04	3816.12
	24-Jan-2012				35.02	3817.14
	7-Dec-2011				35.19	3816.97
	19-Jul-2011				34.07	3818.09
	19-Apr-2011				32.91	3819.25
	17-Jan-2011				33.72	3818.44
	15-Sep-2010				32.68	3819.48
	23-Jun-2010				33.59	3818.57
	22-Mar-2010				34.10	3818.06
	8-Dec-2009				33.22	3818.94
	28-Aug-2009				32.95	3819.21
	26-May-2009				33.26	3818.90
	10-Dec-2008				33.60	3818.56
	27-Sep-2008				32.95	3819.21
	10-Jun-2008				33.96	3818.20
	6-Feb-2008				33.58	3818.58
	13-Nov-2007				33.27	3818.89
	13-Sep-2007				33.12	3819.04

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
177-06	19-Feb-2019	417301.84	1514765.63	3866.02	Dry	
	12-Nov-2018				Dry	
	6-Aug-2018				Dry	
	17-May-2018				Dry	
	5-Feb-2018				Dry	
	6-Nov-2017				Dry	
	8-Aug-2017				Dry	
	15-May-2017				Dry	
	7-Feb-2017				Dry	
	7-Nov-2016				Dry	
	15-Aug-2016				Dry	
	16-May-2016				Dry	
	9-Feb-2016				Dry	
	5-Nov-2015				Dry	
	5-Aug-2015				Dry	
	6-May-2015				Dry	
	6-Feb-2015				Dry	
	5-Nov-2014				Dry	
	13-Aug-2014				Dry	
	12-May-2014				Dry	
	12-Feb-2014				Dry	
	7-Nov-2013				51.65	3814.37
	6-Aug-2013				51.11	3814.91
	7-May-2013				51.50	3814.52
	7-Feb-2013				50.43	3815.59
	25-Oct-2012				50.81	3815.21
	30-Jul-2012				51.09	3814.93
	24-Apr-2012				Dry	
	24-Jan-2012				49.40	3816.62
	7-Dec-2011				49.85	3816.17
	19-Jul-2011				49.31	3816.71
	19-Apr-2011				48.92	3817.10
	17-Jan-2011				48.18	3817.84
	15-Sep-2010				47.64	3818.38
	23-Jun-2010				48.79	3817.23
	22-Mar-2010				49.12	3816.90
	8-Dec-2009				47.60	3818.42
	28-Aug-2009				47.53	3818.49
	26-May-2009				48.03	3817.99
	10-Dec-2008				48.72	3817.30
	27-Sep-2008				47.52	3818.50
10-Jun-2008	49.31	3816.71				
6-Feb-2008	48.00	3818.02				
13-Nov-2007	48.88	3817.14				
13-Sep-2007	48.84	3817.18				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
177-07R	19-Feb-2019	415240.93	1515476.47	3858.91	46.60	3812.31
	12-Nov-2018				46.70	3812.21
	6-Aug-2018				47.09	3811.82
	17-May-2018				47.00	3811.91
	5-Feb-2018				46.16	3812.75
	6-Nov-2017				46.62	3812.29
	8-Aug-2017				47.30	3811.61
	15-May-2017				47.68	3811.23
	7-Feb-2017				47.06	3811.85
	7-Nov-2016				47.50	3811.41
	15-Aug-2016				48.12	3810.79
	16-May-2016				48.09	3810.82
	9-Feb-2016				47.42	3811.49
	5-Nov-2015				47.57	3811.34
	5-Aug-2015				47.67	3811.24
	6-May-2015				47.35	3811.56
	6-Feb-2015				46.70	3812.21
	10-Nov-2014				46.53	3812.38
	13-Aug-2014				45.50	3813.41
	13-May-2014				46.66	3812.25
	12-Feb-2014				45.90	3813.01
	7-Nov-2013				45.50	3813.41
	6-Aug-2013				45.51	3813.40
	7-May-2013				45.22	3813.69
	7-Feb-2013				44.44	3814.47
	25-Oct-2012				43.98	3814.93
	30-Jul-2012				43.60	3815.31
24-Apr-2012	43.56	3815.35				
24-Jan-2012	43.08	3815.83				
7-Dec-2011	43.46	3815.45				
19-Jul-2011	42.91	3816.00				
19-Apr-2011	41.96	3816.95				
177-07	5-Nov-2014	415258.95	1515471.64	3859.96	Plugged and Abandoned	
	17-Jan-2011				Dry	
	15-Sep-2010				Dry	
	23-Jun-2010				Dry	
	22-Mar-2010				Dry	
	8-Dec-2009				Dry	
	10-Dec-2008				Dry	
	27-Sep-2008				Dry	
	10-Jun-2008				Dry	
	6-Feb-2008				Dry	
	13-Nov-2007				Dry	
	13-Sep-2007				Dry	

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
<b>CENTRAL AREA</b>						
<b>Buena Vista Dairy II</b>						
74-01	20-Feb-2019	405434.93	1519310.15	3841.01	35.75	3805.26
	13-Nov-2018				36.24	3804.77
	7-Aug-2018				36.32	3804.69
	17-May-2018				36.35	3804.66
	6-Feb-2018				35.04	3805.97
	6-Nov-2017				35.65	3805.36
	7-Aug-2017				36.51	3804.50
	16-May-2017				37.00	3804.01
	7-Feb-2017				35.73	3805.28
	8-Nov-2016				36.17	3804.84
	16-Aug-2016				37.04	3803.97
	17-May-2016				37.32	3803.69
	9-Feb-2016				36.00	3805.01
	5-Nov-2015				36.63	3804.38
	6-Aug-2015				37.05	3803.96
	6-May-2015				37.38	3803.63
	5-Feb-2015				35.45	3805.56
	5-Nov-2014				36.66	3804.35
	13-Aug-2014				36.71	3804.30
	18-Jun-2014				37.09	3803.92
	12-Feb-2014				35.17	3805.84
	6-Nov-2013				35.77	3805.24
	6-Aug-2013				36.56	3804.45
	7-May-2013				35.02	3805.99
	7-Feb-2013				33.64	3807.37
	25-Oct-2012				34.94	3806.07
	31-Jul-2012				34.53	3806.48
	24-Apr-2012				34.27	3806.74
	24-Jan-2012				33.36	3807.65
	8-Dec-2011				33.63	3807.38
	19-Jul-2011				33.31	3807.70
20-Apr-2011	31.97	3809.04				
21-Jan-2011	32.23	3808.78				
16-Sep-2010	31.97	3809.04				
23-Jun-2010	32.08	3808.93				
22-Mar-2010	32.07	3808.94				
8-Dec-2009	31.45	3809.56				
28-Aug-2009	32.20	3808.81				
26-May-2009	32.20	3808.81				
10-Dec-2008	31.31	3809.70				
27-Sep-2008	31.64	3809.37				
10-Jun-2008	32.00	3809.01				
5-Feb-2008	31.66	3809.35				
14-Nov-2007	31.21	3809.80				
12-Sep-2007	31.63	3809.38				



**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
<b>Buena Vista Dairy II Continued</b>						
74-02	20-Feb-2019	404574.08	1519035.52	3820.58	16.00	3804.58
	13-Nov-2018				16.50	3804.08
	7-Aug-2018				16.61	3803.97
	17-May-2018				16.77	3803.81
	6-Feb-2018				15.16	3805.42
	6-Nov-2017				15.76	3804.82
	7-Aug-2017				16.87	3803.71
	16-May-2017				17.61	3802.97
	7-Feb-2017				16.01	3804.57
	8-Nov-2016				16.46	3804.12
	16-Aug-2016				17.59	3802.99
	17-May-2016				18.13	3802.45
	9-Feb-2016				16.40	3804.18
	5-Nov-2015				17.16	3803.42
	6-Aug-2015				17.89	3802.69
	6-May-2015				18.11	3802.47
	5-Feb-2015				16.00	3804.58
	5-Nov-2014				17.16	3803.42
	13-Aug-2014				17.50	3803.08
	18-Jun-2014				18.13	3802.45
	12-Feb-2014				15.75	3804.83
	6-Nov-2013				17.07	3803.51
	6-Aug-2013				17.55	3803.03
	7-May-2013				16.22	3804.36
	7-Feb-2013				15.84	3804.74
	25-Oct-2012				16.02	3804.56
	31-Jul-2012				15.09	3805.49
	24-Apr-2012				14.30	3806.28
	24-Jan-2012				13.96	3806.62
	8-Dec-2011				15.49	3805.09
	19-Jul-2011				14.19	3806.39
	20-Apr-2011				12.45	3808.13
	17-Jan-2011				12.53	3808.05
16-Sep-2010	12.45	3808.13				
23-Jun-2010	12.87	3807.71				
22-Mar-2010	12.72	3807.86				
8-Dec-2009	11.88	3808.70				
28-Aug-2009	12.53	3808.05				
26-May-2009	12.70	3807.88				
10-Dec-2008	11.65	3808.93				
27-Sep-2008	12.03	3808.55				
10-Jun-2008	12.39	3808.19				
5-Feb-2008	11.94	3808.64				
14-Nov-2007	11.52	3809.06				
12-Sep-2007	12.33	3808.25				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
74-03	20-Feb-2019	407163.61	1516711.72	3823.36	15.57	3807.79
	13-Nov-2018				15.68	3807.68
	7-Aug-2018				15.40	3807.96
	17-May-2018				15.50	3807.86
	6-Feb-2018				14.67	3808.69
	6-Nov-2017				14.71	3808.65
	7-Aug-2017				15.56	3807.80
	16-May-2017				16.38	3806.98
	7-Feb-2017				15.53	3807.83
	8-Nov-2016				15.57	3807.79
	16-Aug-2016				16.01	3807.35
	20-May-2016				16.57	3806.79
	9-Feb-2016				16.05	3807.31
	5-Nov-2015				16.10	3807.26
	5-Aug-2015				16.16	3807.20
	6-May-2015				16.29	3807.07
	5-Feb-2015				15.75	3807.61
	5-Nov-2014				15.67	3807.69
	13-Aug-2014				16.07	3807.29
	18-Jun-2014				16.73	3806.63
	12-Feb-2014				15.63	3807.73
	6-Nov-2013				15.53	3807.83
	6-Aug-2013				15.43	3807.93
	7-May-2013				14.85	3808.51
	7-Feb-2013				13.93	3809.43
	25-Oct-2012				14.22	3809.14
	31-Jul-2012				14.17	3809.19
	24-Apr-2012				13.99	3809.37
	24-Jan-2012				13.60	3809.76
	8-Dec-2011				13.70	3809.66
	19-Jul-2011				13.17	3810.19
	20-Apr-2011				12.11	3811.25
	17-Jan-2011				12.63	3810.73
	16-Sep-2010				12.41	3810.95
	23-Jun-2010				12.72	3810.64
	22-Mar-2010				12.94	3810.42
	8-Dec-2009				12.88	3810.48
	28-Aug-2009				12.63	3810.73
	26-May-2009				12.94	3810.42
	10-Dec-2008				13.00	3810.36
	27-Sep-2008				12.94	3810.42
	10-Jun-2008				12.66	3810.7
	5-Feb-2008				12.94	3810.42
	14-Nov-2007				12.77	3810.59
	12-Sep-2007				12.53	3810.83

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
74-04	20-Feb-2019	405488.65	1519864.48	3853.17	47.95	3805.22
	13-Nov-2018				48.45	3804.72
	7-Aug-2018				48.48	3804.69
	17-May-2018				48.37	3804.80
	6-Feb-2017				47.35	3805.82
	6-Nov-2017				47.95	3805.22
	7-Aug-2017				48.78	3804.39
	16-May-2017				49.00	3804.17
	7-Feb-2017				47.97	3805.20
	8-Nov-2016				48.44	3804.73
	16-Aug-2016				49.27	3803.90
	17-May-2016				NM	NM
	9-Feb-2016				48.35	3804.82
	5-Nov-2015				49.03	3804.14
	6-Aug-2015				49.21	3803.96
	6-May-2015				49.44	3803.73
	5-Feb-2015				47.86	3805.31
	5-Nov-2014				49.58	3803.59
	13-Aug-2014				49.12	3804.05
	18-Jun-2014				49.35	3803.82
	12-Feb-2014				47.75	3805.42
	6-Nov-2013				48.06	3805.11
	6-Aug-2013				48.55	3804.62
	7-May-2013				47.45	3805.72
	7-Feb-2013				46.31	3806.86
	25-Oct-2012				46.96	3806.21
	31-Jul-2012				47.16	3806.01
	24-Apr-2012				47.05	3806.12
	24-Jan-2012				45.78	3807.39
	8-Dec-2011				45.98	3807.19
	19-Jul-2011				45.61	3807.56
	20-Apr-2011				44.19	3808.98
	17-Jan-2011				44.02	3809.15
16-Sep-2010	44.19	3808.98				
23-Jun-2010	44.26	3808.91				
22-Mar-2010	44.25	3808.92				
8-Dec-2009	43.86	3809.31				
28-Aug-2009	44.49	3808.68				
26-May-2009	44.56	3808.61				
10-Dec-2008	43.70	3809.47				
27-Sep-2008	43.99	3809.18				
10-Jun-2008	44.40	3808.77				
5-Feb-2008	43.41	3809.76				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
74-05	20-Feb-2019	404747.71	1519885.3	3845.35	40.65	3804.70
	13-Nov-2018				41.18	3804.17
	7-Aug-2018				41.22	3804.13
	17-May-2018				41.19	3804.16
	6-Feb-2018				39.97	3805.38
	6-Nov-2017				40.59	3804.76
	7-Aug-2017				41.59	3803.76
	16-May-2017				41.93	3803.42
	7-Feb-2017				40.74	3804.61
	8-Nov-2016				41.23	3804.12
	16-Aug-2016				42.23	3803.12
	17-May-2016				42.62	3802.73
	9-Feb-2016				41.19	3804.16
	5-Nov-2015				42.00	3803.35
	6-Aug-2015				42.35	3803.00
	6-May-2015				41.63	3803.72
	5-Feb-2015				40.78	3804.57
	5-Nov-2014				41.99	3803.36
	13-Aug-2014				42.28	3803.07
	18-Jun-2014				42.73	3802.62
	12-Feb-2014				40.76	3804.59
	6-Nov-2013				41.17	3804.18
	6-Aug-2013				41.80	3803.55
	7-May-2013				40.98	3804.37
	7-Feb-2013				39.40	3805.95
	25-Oct-2012				40.33	3805.02
	31-Jul-2012				40.19	3805.16
	24-Apr-2012				40.05	3805.30
	24-Jan-2012				38.78	3806.57
	8-Dec-2011				39.18	3806.17
	19-Jul-2011				38.84	3806.51
	20-Apr-2011				37.99	3807.36
	17-Jan-2011				36.96	3808.39
	16-Sep-2010				37.00	3808.35
	23-Jun-2010				37.44	3807.91
	22-Mar-2010				37.23	3808.12
	8-Dec-2009				36.74	3808.61
	28-Aug-2009				37.32	3808.03
	26-May-2009				37.47	3807.88
	10-Dec-2008				36.53	3808.82
	27-Sep-2008				36.88	3808.47
	10-Jun-2008				37.39	3807.96
	5-Feb-2008				36.77	3808.58

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>			
<b>Big Sky Dairy</b>									
833-01	5-Aug-2017	399617.23	1521136.33	3839.55	Plugged and Abandoned				
	16-May-2017				Dry				
	7-Feb-2017				Dry				
	8-Nov-2016				Dry				
	16-Aug-2016				Dry				
	17-May-2016				Dry				
	10-Feb-2016				Dry				
	5-Nov-2015				Dry				
	17-Aug-2015				Dry				
	6-May-2015				Dry				
	6-Feb-2015				Dry				
	5-Nov-2014				Dry				
	12-Aug-2014				Dry				
	18-Jun-2014				Dry				
	12-Feb-2014				Dry				
	6-Nov-2013				Dry				
	6-Aug-2013				Dry				
	8-May-2013				Dry				
	7-Feb-2013				Dry				
	25-Oct-2012				Dry				
	1-Aug-2012				Dry				
	24-Apr-2012				Dry				
	24-Jan-2012				Dry				
	8-Dec-2011				Dry				
	18-Jul-2011				Dry				
	19-Apr-2001							35.44	3804.11
	17-Jan-2011							35.20	3804.35
	14-Sep-2010							34.76	3804.79
	22-Jun-2010							36.08	3803.47
	22-Mar-2010							35.49	3804.06
	8-Dec-2009							35.25	3804.30
	28-Aug-2009							35.25	3804.30
26-May-2009				34.69	3804.86				
10-Dec-2008				34.99	3804.56				
28-Sep-2008				34.58	3804.97				
10-Jun-2008				36.13	3803.42				
5-Feb-2008				35.51	3804.04				
14-Nov-2007				35.70	3803.85				
12-Sep-2007				35.79	3803.76				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
833-02	20-Feb-2019	401200.32	1520639.92	3836.04	33.90	3802.14
	13-Nov-2018				34.43	3801.61
	7-Aug-2018				34.42	3801.62
	14-May-2018				34.05	3801.99
	6-Feb-2018				33.45	3802.59
	7-Nov-2017				33.19	3802.85
	9-Aug-2017				33.78	3802.26
	16-May-2017				35.28	3800.76
	7-Feb-2017				33.80	3802.24
	8-Nov-2016				34.24	3801.80
	16-Aug-2016				34.85	3801.19
	17-May-2016				35.69	3800.35
	10-Feb-2016				34.79	3801.25
	5-Nov-2015				35.48	3800.56
	6-Aug-2015				35.90	3800.14
	6-May-2015				37.04	3799.00
	6-Feb-2015				35.20	3800.84
	5-Nov-2014				35.48	3800.56
	12-Aug-2014				36.02	3800.02
	18-Jun-2014				36.72	3799.32
	12-Feb-2014				34.61	3801.43
	6-Nov-2013				34.80	3801.24
	6-Aug-2013				35.44	3800.60
	8-May-2013				35.13	3800.91
	7-Feb-2013				33.42	3802.62
	25-Oct-2012				34.61	3801.43
	1-Aug-2012				34.90	3801.14
	24-Apr-2012				33.49	3802.55
	24-Jan-2012				34.01	3802.03
	8-Dec-2011				33.08	3802.96
	18-Jul-2011				32.92	3803.12
	19-Apr-2011				31.92	3804.12
	17-Jan-2011				30.43	3805.61
	14-Sep-2010				30.34	3805.70
	22-Jun-2010				31.37	3804.67
	22-Mar-2010				30.87	3805.17
	8-Dec-2009				30.40	3805.64
	28-Aug-2009				30.58	3805.46
	26-May-2009				30.24	3805.80
	10-Dec-2008				30.13	3805.91
	28-Sep-2008				29.80	3806.24
	10-Jun-2008				31.21	3804.83
	5-Feb-2008				30.63	3805.41
	14-Nov-2007				30.60	3805.44
	12-Sep-2007				30.63	3805.41

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
833-03	5-Aug-2017	401392.09	1521955.23	3867.06	Plugged and Abandoned	
	16-May-2017				Dry	
	7-Feb-2017				Dry	
	8-Nov-2016				Dry	
	16-Aug-2016				Dry	
	17-May-2016				Dry	
	10-Feb-2016				Dry	
	5-Nov-2015				Dry	
	17-Aug-2015				Dry	
	6-May-2015				Dry	
	6-Feb-2015				Dry	
	5-Nov-2014				Dry	
	12-Aug-2014				Dry	
	18-Jun-2014				Dry	
	12-Feb-2014				Dry	
	6-Nov-2013				Dry	
	6-Aug-2013				Dry	
	8-May-2013				Dry	
	7-Feb-2013				Dry	
	25-Oct-2012				Dry	
	1-Aug-2012				Dry	
	24-Apr-2012				Dry	
	24-Jan-2012				Dry	
	8-Dec-2011				Dry	
	18-Jul-2011				Dry	
	19-Apr-2011				61.92	3805.14
	17-Jan-2011				61.02	3806.04
	14-Sep-2010				60.91	3806.15
	22-Jun-2010				61.90	3805.16
	22-Mar-2010				61.41	3805.65
	8-Dec-2009				61.16	3805.90
	28-Aug-2009				61.50	3805.56
	26-May-2009				61.26	3805.80
10-Dec-2008	60.76	3806.30				
28-Sep-2008	61.59	3805.47				
10-Jun-2008	61.83	3805.23				
5-Feb-2008	61.11	3805.95				
14-Nov-2007	61.08	3805.98				
12-Sep-2007	61.11	3805.95				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
833-04	20-Feb-2019	402898.52	1520659.33	3845.79	42.36	3803.43
	13-Nov-2018				42.81	3802.98
	7-Aug-2018				42.68	3803.11
	14-May-2018				42.59	3803.20
	6-Feb-2018				41.54	3804.25
	7-Nov-2017				42.17	3803.62
	15-Aug-2017				42.90	3802.89
	16-May-2017				43.63	3802.16
	7-Feb-2017				42.47	3803.32
	8-Nov-2016				42.90	3802.89
	16-Aug-2016				43.91	3801.88
	20-May-2016				44.20	3801.59
	10-Feb-2016				43.15	3802.64
	5-Nov-2015				43.92	3801.87
	6-Aug-2015				44.49	3801.30
	6-May-2015				44.98	3800.81
	6-Feb-2015				43.67	3802.12
	5-Nov-2014				43.98	3801.81
	12-Aug-2014				44.62	3801.17
	18-Jun-2014				45.07	3800.72
	12-Feb-2014				43.19	3802.60
	6-Nov-2013				43.59	3802.20
	6-Aug-2013				44.00	3801.79
	8-May-2013				43.63	3802.16
	7-Feb-2013				41.70	3804.09
	25-Oct-2012				41.83	3803.96
	1-Aug-2012				42.70	3803.09
	24-Apr-2012				42.32	3803.47
	24-Jan-2012				40.87	3804.92
	8-Dec-2011				41.55	3804.24
	18-Jul-2011				41.05	3804.74
	19-Apr-2011				39.24	3806.55
	17-Jan-2011				38.80	3806.99
	14-Sep-2010				38.84	3806.95
	22-Jun-2010				39.19	3806.60
	22-Mar-2010				39.13	3806.66
	8-Dec-2009				38.85	3806.94
	28-Aug-2009				39.24	3806.55
	26-May-2009				39.31	3806.48
	10-Dec-2008				38.41	3807.38
	28-Sep-2008				38.42	3807.37
	10-Jun-2008				39.46	3806.33
	5-Feb-2008				38.61	3807.18
	14-Nov-2007				38.54	3807.25
	12-Sep-2007				38.96	3806.83



**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
833-05	20-Feb-2019	399712.39	1522374.73	3865.51	64.85	3800.66
	13-Nov-2018				65.51	3800.00
	7-Aug-2018				65.44	3800.07
	14-May-2018				65.05	3800.46
	6-Feb-2018				64.21	3801.30
	7-Nov-2017				64.45	3801.06
	9-Aug-2017				65.38	3800.13
	16-May-2017				66.10	3799.41
	7-Feb-2017				65.05	3800.46
	8-Nov-2016				65.53	3799.98
	16-Aug-2016				66.06	3799.45
	17-May-2016				66.39	3799.12
	10-Feb-2016				65.94	3799.57
	5-Nov-2015				66.28	3799.23
	6-Aug-2015				66.74	3798.77
	6-May-2015				67.03	3798.48
	6-Feb-2015				65.76	3799.75
	10-Nov-2014				66.10	3799.41
	12-Aug-2014				66.71	3798.80
	18-Jun-2014				66.83	3798.68
	12-Feb-2014				65.32	3800.19
	6-Nov-2013				65.29	3800.22
	6-Aug-2013				65.80	3799.71
	8-May-2013				65.19	3800.32
	7-Feb-2013				64.21	3801.30
	25-Oct-2012				64.60	3800.91
	1-Aug-2012				65.01	3800.50
	24-Apr-2012				64.40	3801.11
	24-Jan-2012				63.60	3801.91
	8-Dec-2011				63.63	3801.88
	18-Jul-2011				63.23	3802.28
	19-Apr-2011				62.33	3803.18
	24-Jan-2011				61.90	3803.61
14-Sep-2010	61.05	3804.46				
22-Jun-2010	61.97	3803.54				
22-Mar-2010	61.52	3803.99				
8-Dec-2009	61.39	3804.12				
28-Aug-2009	61.52	3803.99				
26-May-2009	61.14	3804.37				
10-Dec-2008	61.07	3804.44				
28-Sep-2008	60.99	3804.52				
10-Jun-2008	62.28	3803.23				
5-Feb-2008	61.52	3803.99				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
833-06	20-Feb-2019	402219.48	1522652.04	3878.20	75.56	3802.64
	13-Nov-2018				75.75	3802.45
	7-Aug-2018				75.39	3802.81
	14-May-2018				75.05	3803.15
	6-Feb-2018				75.20	3803.00
	7-Nov-2017				75.51	3802.69
	9-Aug-2017				76.35	3801.85
	16-May-2017				76.41	3801.79
	7-Feb-2017				75.84	3802.36
	8-Nov-2016				76.13	3802.07
	16-Aug-2016				76.53	3801.67
	17-May-2016				76.58	3801.62
	10-Feb-2016				76.15	3802.05
	5-Nov-2015				76.11	3802.09
	6-Aug-2015				76.49	3801.71
	6-May-2015				76.57	3801.63
	6-Feb-2015				75.79	3802.41
	5-Nov-2014				75.96	3802.24
	12-Aug-2014				76.20	3802.00
	18-Jun-2014				76.18	3802.02
	12-Feb-2014				75.43	3802.77
	6-Nov-2013				75.12	3803.08
	6-Aug-2013				75.47	3802.73
	8-May-2013				74.67	3803.53
	7-Feb-2013				73.80	3804.40
	25-Oct-2012				73.93	3804.27
	1-Aug-2012				74.06	3804.14
	24-Apr-2012				73.97	3804.23
	24-Jan-2012				73.50	3804.70
	8-Dec-2011				73.41	3804.79
	18-Jul-2011				72.93	3805.27
	25-Apr-2001				72.16	3806.04
	17-Jan-2011				71.43	3806.77
	14-Sep-2010				72.05	3806.15
	22-Jun-2010				72.08	3806.12
	22-Mar-2010				72.00	3806.20
	8-Dec-2009				71.92	3806.28
	28-Aug-2009				72.22	3805.98
	26-May-2009				72.02	3806.18
	10-Dec-2008				70.95	3807.25
	28-Sep-2008				70.87	3807.33
	10-Jun-2008				71.78	3806.42
	5-Feb-2008				71.47	3806.73

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
833-07	20-Feb-2019	399298.8	1522082.75	3860.70	60.35	3800.35
	13-Nov-2018				61.06	3799.64
	7-Aug-2018				61.07	3799.63
	14-May-2018				60.75	3799.95
	6-Feb-2018				59.74	3800.96
	7-Nov-2017				60.00	3800.70
	9-Aug-2017				60.87	3799.83
	16-May-2017				61.75	3798.95
	7-Feb-2017				60.56	3800.14
	8-Nov-2016				61.27	3799.43
	16-Aug-2016				61.60	3799.10
	17-May-2016				62.10	3798.60
	10-Feb-2016				61.48	3799.22
	5-Nov-2015				61.95	3798.75
	6-Aug-2015				62.28	3798.42
	6-May-2015				62.87	3797.83
	6-Feb-2015				61.34	3799.36
	10-Nov-2014				61.75	3798.95
	12-Aug-2014				62.28	3798.42
	18-Jun-2014				62.58	3798.12
	12-Feb-2014				60.88	3799.82
	6-Nov-2013				61.12	3799.58
	6-Aug-2013				61.45	3799.25
	8-May-2013				60.76	3799.94
	7-Feb-2013				59.82	3800.88
	25-Oct-2012				60.22	3800.48
	1-Aug-2012				60.63	3800.07
	24-Apr-2012				60.25	3800.45
	24-Jan-2012				59.71	3800.99
	8-Dec-2011				59.26	3801.44
	18-Jul-2011				58.99	3801.71
	19-Apr-2011				57.95	3802.75
17-Jan-2011	56.87	3803.83				
14-Sep-2010	56.61	3804.09				
22-Jun-2010	57.55	3803.15				
22-Mar-2010	57.05	3803.65				
8-Dec-2009	56.94	3803.76				
28-Aug-2009	57.02	3803.68				
26-May-2009	56.64	3804.06				
10-Dec-2008	56.58	3804.12				
28-Sep-2008	58.53	3802.17				
10-Jun-2008	57.88	3802.82				
5-Feb-2008	57.11	3803.59				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
833-08	20-Feb-2019	400535.64	1521938.23	3861.76	60.10	3801.66
	13-Nov-2018				60.65	3801.11
	7-Aug-2018				60.44	3801.32
	14-May-2018				59.75	3802.01
	6-Feb-2018				59.31	3802.45
	7-Nov-2017				59.51	3802.25
	9-Aug-2017				60.33	3801.43
	16-May-2017				61.03	3800.73
	7-Feb-2017				60.21	3801.55
	8-Nov-2016				60.56	3801.20
	16-Aug-2016				61.21	3800.55
	17-May-2016				61.14	3800.62
	10-Feb-2016				61.11	3800.65
	5-Nov-2015				61.32	3800.44
	6-Aug-2015				61.98	3799.78
	6-May-2015				62.22	3799.54
	6-Feb-2015				61.04	3800.72
	10-Nov-2014				61.22	3800.54
	12-Aug-2014				61.97	3799.79
	18-Jun-2014				62.07	3799.69
	12-Feb-2014				60.68	3801.08
	6-Nov-2013				60.79	3800.97
	6-Aug-2013				61.07	3800.69
	8-May-2013				60.60	3801.16
	7-Feb-2013				59.43	3802.33
	25-Oct-2012				59.75	3802.01
	1-Aug-2012				60.24	3801.52
	24-Apr-2012				59.81	3801.95
	24-Jan-2012				58.86	3802.90
	8-Dec-2011				58.96	3802.80
	18-Jul-2011				58.36	3803.40
	25-Apr-2011				56.54	3805.22
	17-Jan-2011				56.55	3805.21
14-Sep-2010	56.34	3805.42				
22-Jun-2010	57.32	3804.44				
22-Mar-2010	56.83	3804.93				
8-Dec-2009	56.63	3805.13				
28-Aug-2009	56.83	3804.93				
26-May-2009	56.41	3805.35				
10-Dec-2008	56.34	3805.42				
28-Sep-2008	56.07	3805.69				
10-Jun-2008	57.46	3804.30				
5-Feb-2008	56.78	3804.98				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
833-09	20-Feb-2019	398280.67	1520918.52	3826.27	26.24	3800.03
	13-Nov-2018				26.73	3799.54
	7-Aug-2018				27.00	3799.27
	14-May-2018				27.19	3799.08
	6-Feb-2018				25.77	3800.50
	7-Nov-2017				25.92	3800.35
	9-Aug-2017				26.22	3800.05
	16-May-2017				28.00	3798.27
	7-Feb-2017				26.48	3799.79
	8-Nov-2016				27.24	3799.03
	16-Aug-2016				26.92	3799.35
	17-May-2016				28.82	3797.45
	10-Feb-2016				27.49	3798.78
	5-Nov-2015				27.98	3798.29
	6-Aug-2015				27.74	3798.53
	6-May-2015				28.86	3797.41
	6-Feb-2015				27.20	3799.07
	5-Nov-2014				27.74	3798.53
	12-Aug-2014				27.71	3798.56
	18-Jun-2014				28.71	3797.56
	12-Feb-2014				26.82	3799.45
	6-Nov-2013				27.49	3798.78
	6-Aug-2013				27.76	3798.51
	8-May-2013				27.31	3798.96
	7-Feb-2013				26.26	3800.01
	25-Oct-2012				26.30	3799.97
	1-Aug-2012				27.21	3799.06
	24-Apr-2012				26.44	3799.83
	24-Jan-2012				25.42	3800.85
	8-Dec-2011				25.08	3801.19
	18-Jul-2011				25.41	3800.86
	25-Apr-2011				22.86	3803.41
	17-Jan-2011				22.87	3803.40
	15-Sep-2010				22.56	3803.71
	22-Jun-2010				23.99	3802.28
	22-Mar-2010				23.20	3803.07
	8-Dec-2009				22.87	3803.40
	28-Aug-2009				22.67	3803.60
	26-May-2009				22.40	3803.87
	10-Dec-2008				22.65	3803.62
	28-Sep-2008				22.18	3804.09
	10-Jun-2008				23.71	3802.56
	5-Feb-2008				23.23	3803.04

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
833-10	20-Feb-2019	396715.89	1520283.6	3820.76	21.04	3799.72
	13-Nov-2018				21.16	3799.60
	7-Aug-2018				20.89	3799.87
	14-May-2018				22.03	3798.73
	6-Feb-2018				20.60	3800.16
	7-Nov-2017				20.65	3800.11
	9-Aug-2017				20.58	3800.18
	16-May-2017				22.66	3798.10
	7-Feb-2017				21.55	3799.21
	8-Nov-2016				21.86	3798.90
	16-Aug-2016				20.55	3800.21
	17-May-2016				23.34	3797.42
	10-Feb-2016				22.38	3798.38
	5-Nov-2015				22.80	3797.96
	6-Aug-2015				20.95	3799.81
	6-May-2015				23.58	3797.18
	6-Feb-2015				22.24	3798.52
	10-Nov-2014				22.95	3797.81
	12-Aug-2014				21.05	3799.71
	18-Jun-2014				22.37	3798.39
	12-Feb-2014				21.61	3799.15
	6-Nov-2013				21.76	3799.00
	6-Aug-2013				21.95	3798.81
	8-May-2013				22.26	3798.50
	7-Feb-2013				21.12	3799.64
	25-Oct-2012				20.93	3799.83
	1-Aug-2012				21.01	3799.75
	24-Apr-2012				21.11	3799.65
	24-Jan-2012				20.14	3800.62
	8-Dec-2011				19.95	3800.81
	18-Jul-2011				19.23	3801.53
	19-Apr-2011				18.67	3802.09
17-Jan-2011	17.80	3802.96				
15-Sep-2010	17.29	3803.47				
22-Jun-2010	18.80	3801.96				
22-Mar-2010	18.38	3802.38				
8-Dec-2009	17.72	3803.04				
28-Aug-2009	17.22	3803.54				
26-May-2009	17.40	3803.36				
10-Dec-2008	17.71	3803.05				
28-Sep-2008	16.98	3803.78				
10-Jun-2008	18.17	3802.59				
5-Feb-2008	18.11	3802.65				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
<b>Sunset/Desert Land Dairy</b>						
257-01	19-Feb-2019	395856.31	1520572.16	3820.33	20.85	3799.48
	13-Nov-2018				21.16	3799.17
	7-Aug-2018				20.60	3799.73
	14-May-2018				22.23	3798.10
	6-Feb-2018				20.54	3799.79
	7-Nov-2017				20.91	3799.42
	9-Aug-2017				20.73	3799.60
	16-May-2017				22.82	3797.51
	7-Feb-2017				21.70	3798.63
	8-Nov-2016				22.16	3798.17
	16-Aug-2016				20.88	3799.45
	16-May-2016				23.72	3796.61
	10-Feb-2016				22.30	3798.03
	6-Nov-2015				22.99	3797.34
	6-Aug-2015				21.13	3799.20
	6-May-2015				24.16	3796.17
	6-Feb-2015				22.36	3797.97
	10-Nov-2014				23.20	3797.13
	12-Aug-2014				22.50	3797.83
	18-Jun-2014				22.67	3797.66
	12-Feb-2014				21.67	3798.66
	6-Nov-2013				22.29	3798.04
	6-Aug-2013				22.52	3797.81
	7-May-2013				21.15	3799.18
	7-Feb-2013				20.38	3799.95
	26-Oct-2012				21.04	3799.29
	1-Aug-2012				20.82	3799.51
	24-Apr-2012				21.01	3799.32
	24-Jan-2012				20.09	3800.24
	8-Dec-2011				20.18	3800.15
	18-Jul-2011				19.75	3800.58
	19-Apr-2011				18.52	3801.81
18-Jan-2011	17.83	3802.50				
15-Sep-2010	17.15	3803.18				
22-Jun-2010	18.15	3802.18				
22-Mar-2010	18.40	3801.93				
8-Dec-2009	17.66	3802.67				
28-Aug-2009	16.99	3803.34				
26-May-2009	17.41	3802.92				
10-Dec-2008	17.87	3802.46				
27-Sep-2008	16.75	3803.58				
10-Jun-2008	17.88	3802.45				
5-Feb-2008	17.59	3802.74				
14-Nov-2007	18.53	3801.80				
12-Sep-2007	18.10	3802.23				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
257-02	19-Feb-2019	394728.34	1521030.29	3813.67	15.05	3798.62
	13-Nov-2018				15.50	3798.17
	7-Aug-2018				14.52	3799.15
	14-May-2018				16.30	3797.37
	6-Feb-2018				13.75	3799.92
	7-Nov-2017				14.84	3798.83
	9-Aug-2017				15.14	3798.53
	16-May-2017				16.89	3796.78
	7-Feb-2017				15.68	3797.99
	8-Nov-2016				16.40	3797.27
	16-Aug-2016				15.88	3797.79
	16-May-2016				18.19	3795.48
	10-Feb-2016				16.76	3796.91
	6-Nov-2015				17.65	3796.02
	17-Aug-2015				16.41	3797.26
	6-May-2015				18.20	3795.47
	6-Feb-2015				16.75	3796.92
	10-Nov-2014				17.45	3796.22
	13-Aug-2014				16.50	3797.17
	18-Jun-2014				17.87	3795.80
	12-Feb-2014				15.78	3797.89
	6-Nov-2013				16.06	3797.61
	6-Aug-2013				15.95	3797.72
	7-May-2013				15.04	3798.63
	7-Feb-2013				14.79	3798.88
	26-Oct-2012				15.06	3798.61
	1-Aug-2012				14.91	3798.76
	24-Apr-2012				15.27	3798.40
	24-Jan-2012				13.90	3799.77
	8-Dec-2011				14.38	3799.29
	19-Jul-2011				13.50	3800.17
	19-Apr-2011				12.59	3801.08
	18-Jan-2011				11.84	3801.83
	15-Sep-2010				10.86	3802.81
	22-Jun-2010				11.08	3802.59
	22-Mar-2010				12.22	3801.45
8-Dec-2009	11.52	3802.15				
28-Aug-2009	10.86	3802.81				
26-May-2009	11.38	3802.29				
10-Dec-2008	11.67	3802.00				
27-Sep-2008	9.75	3803.92				
10-Jun-2008	11.82	3801.85				
5-Feb-2008	11.67	3802.00				
14-Nov-2007	12.22	3801.45				
12-Sep-2007	11.55	3802.12				



**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
257-03	19-Feb-2019	397935.69	1518746.14	3814.74	13.35	3801.39
	13-Nov-2018				12.89	3801.85
	7-Aug-2018				11.82	3802.92
	14-May-2018				13.08	3801.66
	6-Feb-2018				11.86	3802.88
	7-Nov-2017				10.05	3804.69
	9-Aug-2017				11.58	3803.16
	16-May-2017				13.61	3801.13
	7-Feb-2017				13.17	3801.57
	8-Nov-2016				11.80	3802.94
	16-Aug-2016				12.13	3802.61
	16-May-2016				Dry	
	10-Feb-2016				13.45	3801.29
	6-Nov-2015				13.96	3800.78
	6-Aug-2015				11.35	3803.39
	6-May-2015				Dry	
	6-Feb-2015				Dry	
	10-Nov-2014				Dry	
	13-Aug-2014				12.34	3802.40
	18-Jun-2014				12.21	3802.53
	12-Feb-2014				13.49	3801.25
	6-Nov-2013				11.04	3803.70
	6-Aug-2013				11.29	3803.45
	7-May-2013				12.98	3801.76
	7-Feb-2013				12.31	3802.43
	26-Oct-2012				11.61	3803.13
	1-Aug-2012				10.06	3804.68
	24-Apr-2012				11.56	3803.18
	24-Jan-2012				10.89	3803.85
	1-Nov-2011				11.29	3803.45
	18-Jul-2011				8.77	3805.97
	19-Apr-2011				9.31	3805.43
	17-Jan-2011				10.04	3804.70
	21-Sep-2010				9.26	3805.48
	22-Jun-2010				9.11	3805.63
	22-Mar-2010				10.45	3804.29
	8-Dec-2009				9.78	3804.96
	28-Aug-2009				9.43	3805.31
	26-May-2009				9.55	3805.19
	10-Dec-2008				10.26	3804.48
27-Sep-2008	9.73	3805.01				
10-Jun-2008	9.70	3805.04				
5-Feb-2008	11.04	3803.70				
14-Nov-2007	9.03	3805.71				
12-Sep-2007	9.61	3805.13				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
257/260-01	2-Feb-2018	397678.36	1519948.22	3814.04	Plugged and Abandoned	
	7-Nov-2017				Crops too high	
	18-Aug-2017				12.44	Broken casing
	16-May-2017				12.47	Broken casing
	7-Feb-2017				5.14	Broken casing
	8-Nov-2016				5.65	Broken casing
	16-Aug-2016				NM	NM
	16-May-2016				7.12	Broken casing
	10-Feb-2016				Broken casing	
	6-Nov-2015				12.85	3801.19
	13-Aug-2015				Crops too high	
	6-May-2015				17.12	3796.92
	6-Feb-2015				14.71	3799.33
	5-Nov-2014				14.93	3799.11
	13-Aug-2014				13.28	3800.76
	18-Jun-2014				14.53	3799.51
	12-Feb-2014				14.06	3799.98
	6-Nov-2013				14.01	3800.03
	14-Aug-2013				14.20	3799.84
	7-May-2013				13.83	3800.21
	7-Feb-2013				13.11	3800.93
	26-Oct-2012				13.36	3800.68
	1-Aug-2012				13.05	3800.99
	24-Apr-2012				12.98	3801.06
	30-Jan-2012				12.26	3801.78
	1-Nov-2011				12.79	3801.25
	18-Jul-2011				10.65	3803.39
	26-Apr-2011				11.66	3802.38
	17-Jan-2011				10.44	3803.60
	15-Sep-2010				9.94	3804.10
	22-Jun-2010				10.90	3803.14
	22-Mar-2010				10.71	3803.33
	8-Dec-2009				10.42	3803.62
28-Aug-2009	10.11	3803.93				
26-May-2009	10.00	3804.04				
10-Dec-2008	10.48	3803.56				
27-Sep-2008	9.80	3804.24				
10-Jun-2008	11.00	3803.04				
5-Feb-2008	10.99	3803.05				
14-Nov-2007	11.21	3802.83				
12-Sep-2007	NM	NM				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
<b>Additional Wells</b>						
Bruce1	18-Jul-2011	388741.02	1523777.06	3808.92	Destroyed	
	19-Apr-2011				11.17	3797.75
	17-Jan-2011				11.13	3797.79
	15-Sep-2010				10.38	3798.54
	23-Jun-2010				10.99	3797.93
	21-Mar-2010				11.50	3797.42
	8-Dec-2009				11.05	3797.87
	27-Aug-2009				10.41	3798.51
	27-May-2009				10.77	3798.15
	10-Dec-2008				11.28	3797.64
	27-Sep-2008				10.93	3797.99
	10-Jun-2008				11.28	3797.64
	5-Feb-2008				11.47	3797.45
Bruce2	5-Feb-2008	NM	NM	NM	Destroyed	
	10-Jun-2008				8.33	--

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
<b>SOUTHERN AREA</b>						
<b>Del Oro Dairy</b>						
692-01	22-Dec-2015	373615.88	1531529.38	3844.13	Plugged and Abandoned	
	6-Nov-2015				62.12	3782.01
	6-Aug-2015				61.75	3782.38
	6-May-2015				63.02	3781.11
	6-Feb-2015				61.28	3782.85
	5-Nov-2014				61.43	3782.70
	12-Aug-2014				61.27	3782.86
	13-May-2014				60.79	3783.34
	14-Feb-2014				60.38	3783.75
	6-Nov-2013				60.72	3783.41
	6-Aug-2013				60.30	3783.83
	7-May-2013				60.58	3783.55
	7-Feb-2013				59.93	3784.20
	26-Oct-2012				60.10	3784.03
	1-Aug-2012				58.79	3785.34
	24-Apr-2012				58.43	3785.70
	25-Jan-2012				78.58	Pumping
	9-Dec-2011				58.19	3785.94
	18-Jul-2011				57.79	3786.34
	19-Apr-2011				57.39	3786.74
	18-Jan-2011				57.17	3786.96
	15-Sep-2010				57.57	3786.56
	30-Jun-2010				61.15	Pumping
	22-Mar-2010				58.01	3786.12
	9-Dec-2009				58.25	3785.88
	29-Aug-2009				58.19	3785.94
	26-May-2009				57.80	3786.33
11-Dec-2008	Pumping	NM				
28-Sep-2008	Pumping	NM				
11-Jun-2008	57.75	3786.38				
6-Feb-2008	57.42	3786.71				
14-Nov-2007	57.38	3786.75				
13-Sep-2007	57.46	3786.67				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
692-02	20-Feb-2019	372984.72	1531192.1	3840.84	59.00	3781.84
	13-Nov-2018				60.67	3780.17
	7-Aug-2018				60.82	3780.02
	17-May-2018				60.68	3780.16
	6-Feb-2018				60.60	3780.24
	7-Nov-2017				60.78	3780.06
	9-Aug-2017				61.10	3779.74
	16-May-2017				60.65	3780.19
	7-Feb-2017				60.60	3780.24
	8-Nov-2016				60.65	3780.19
	16-Aug-2016				60.58	3780.26
	17-May-2016				60.25	3780.59
	10-Feb-2016				60.11	3780.73
	6-Nov-2015				59.74	3781.10
	6-Aug-2015				59.66	3781.18
	6-May-2015				59.50	3781.34
	6-Feb-2015				59.02	3781.82
	5-Nov-2014				59.27	3781.57
	12-Aug-2014				59.01	3781.83
	13-May-2014				58.51	3782.33
	14-Feb-2014				58.12	3782.72
	6-Nov-2013				57.91	3782.93
	6-Aug-2013				57.60	3783.24
	7-May-2013				57.39	3783.45
	7-Feb-2013				56.86	3783.98
	25-Oct-2012				56.48	3784.36
	1-Aug-2012				56.03	3784.81
	24-Apr-2012				55.71	3785.13
	25-Jan-2012				54.70	3786.14
	13-Dec-2011				54.94	3785.90
	18-Jul-2011				55.10	3785.74
	19-Apr-2011				54.68	3786.16
	18-Jan-2011				54.32	3786.52
15-Sep-2010	54.39	3786.45				
30-Jun-2010	54.50	3786.34				
22-Mar-2010	54.90	3785.94				
9-Dec-2009	55.11	3785.73				
28-Aug-2009	55.03	3785.81				
26-May-2009	55.38	3785.46				
11-Dec-2008	54.93	3785.91				
28-Sep-2008	54.69	3786.15				
11-Jun-2008	54.93	3785.91				
6-Feb-2008	54.74	3786.10				
14-Nov-2007	54.42	3786.42				
13-Sep-2007	54.61	3786.23				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>	
692-04	20-Feb-2019	372982.53	1531555.21	3842.66	Dry		
	13-Nov-2018				Dry		
	7-Aug-2018				Dry		
	17-May-2018				Dry		
	6-Feb-2018				Dry		
	7-Nov-2017				Dry		
	9-Aug-2017				Dry		
	16-May-2017				Dry		
	7-Feb-2017				Dry		
	8-Nov-2016				Dry		
	16-Aug-2016				Dry		
	17-May-2016				Dry		
	10-Feb-2016				Dry		
	6-Nov-2015				Dry		
	6-Aug-2015					60.53	3782.13
	6-May-2015					61.99	3780.67
	6-Feb-2015					60.20	3782.46
	5-Nov-2014					60.44	3782.22
	12-Aug-2014					60.13	3782.53
	13-May-2014					59.66	3783.00
	14-Feb-2014					59.18	3783.48
	6-Nov-2013					59.03	3783.63
	6-Aug-2013					58.79	3783.87
	7-May-2013					58.68	3783.98
	7-Feb-2013					58.05	3784.61
	25-Oct-2012					57.62	3785.04
	1-Aug-2012					57.34	3785.32
	24-Apr-2012					57.13	3785.53
	25-Jan-2012					56.34	3786.32
	9-Dec-2011					56.91	3785.75
	18-Jul-2011					56.92	3785.74
	19-Apr-2011					56.47	3786.19
	18-Jan-2011					56.15	3786.51
	15-Sep-2010					55.90	3786.76
	30-Jun-2010					56.81	3785.85
	22-Mar-2010					56.81	3785.85
8-Dec-2009		56.86	3785.80				
28-Aug-2009		56.82	3785.84				
26-May-2009		57.09	3785.57				
11-Dec-2008		56.71	3785.95				
28-Sep-2008		56.41	3786.25				
11-Jun-2008		56.54	3786.12				
6-Feb-2008		56.40	3786.26				
14-Nov-2007		55.95	3786.71				
13-Sep-2007		56.19	3786.47				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
692-05	20-Feb-2019	374807.26	1532403	3854.26	80.65	3773.61
	13-Nov-2018				81.85	3772.41
	7-Aug-2018				81.75	3772.51
	17-May-2018				81.44	3772.82
	6-Feb-2018				80.20	3774.06
	7-Nov-2017				81.05	3773.21
	9-Aug-2017				81.47	3772.79
	16-May-2017				81.60	3772.66
	7-Feb-2017				80.41	3773.85
	8-Nov-2016				81.78	3772.48
	16-Aug-2016				81.70	3772.56
	17-May-2016				81.25	3773.01
	10-Feb-2016				80.30	3773.96
	6-Nov-2015				81.13	3773.13
	6-Aug-2015				80.85	3773.41
	6-May-2015				81.97	3772.29
	6-Feb-2015				80.08	3774.18
	5-Nov-2014				81.06	3773.20
	12-Aug-2014				81.02	3773.24
	13-May-2014				80.82	3773.44
	13-Feb-2014				79.21	3775.05
	6-Nov-2013				NM	NM
	14-Aug-2013				78.12	3776.14
	7-May-2013				79.43	3774.83
	7-Feb-2013				78.86	3775.40
	26-Oct-2012				79.11	3775.15
	1-Aug-2012				78.80	3775.46
	24-Apr-2012				77.96	3776.30
	24-Jan-2012				76.80	3777.46
	9-Dec-2011				77.39	3776.87
	18-Jul-2011				77.59	3776.67
	19-Apr-2011				76.46	3777.80
	18-Jan-2011				75.55	3778.71
15-Sep-2010	76.14	3778.12				
30-Jun-2010	76.20	3778.06				
22-Mar-2010	75.01	3779.25				
9-Dec-2009	75.52	3778.74				
28-Aug-2009	76.15	3778.11				
26-May-2009	75.65	3778.61				
11-Dec-2008	74.95	3779.31				
28-Sep-2008	75.36	3778.90				
11-Jun-2008	75.72	3778.54				
6-Feb-2008	74.84	3779.42				
14-Nov-2007	75.90	3778.36				
13-Sep-2007	75.84	3778.42				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
692-06	20-Feb-2019	375054.77	1532411.83	3856.48	82.50	3773.98
	13-Nov-2018				83.69	3772.79
	7-Aug-2018				83.58	3772.90
	17-May-2018				83.25	3773.23
	6-Feb-2018				82.00	3774.48
	7-Nov-2017				82.86	3773.62
	9-Aug-2017				83.28	3773.20
	16-May-2017				83.35	3773.13
	7-Feb-2017				82.20	3774.28
	8-Nov-2016				83.55	3772.93
	16-Aug-2016				83.45	3773.03
	17-May-2016				83.08	3773.40
	10-Feb-2016				82.12	3774.36
	6-Nov-2015				82.92	3773.56
	6-Aug-2015				82.68	3773.80
	6-May-2015				83.11	3773.37
	6-Feb-2015				81.65	3774.83
	5-Nov-2014				82.91	3773.57
	12-Aug-2014				82.88	3773.60
	13-May-2014				81.84	3774.64
	14-Feb-2014				81.31	3775.17
	6-Nov-2013				82.18	3774.30
	6-Aug-2013				81.86	3774.62
	7-May-2013				81.22	3775.26
	7-Feb-2013				80.88	3775.60
	26-Oct-2012				81.03	3775.45
	1-Aug-2012				80.69	3775.79
	24-Apr-2012				79.84	3776.64
	30-Jan-2012				78.99	3777.49
	9-Dec-2011				79.32	3777.16
	18-Jul-2011				79.43	3777.05
	19-Apr-2011				78.32	3778.16
	18-Jan-2011				77.44	3779.04
	15-Sep-2010				78.02	3778.46
	30-Jun-2010				78.12	3778.36
	22-Mar-2010				76.91	3779.57
	9-Dec-2009				77.44	3779.04
	28-Aug-2009				78.04	3778.44
	26-May-2009				77.53	3778.95
	11-Dec-2008				76.79	3779.69
	28-Sep-2008				77.25	3779.23
	11-Jun-2008				77.60	3778.88
	6-Feb-2008				76.76	3779.72
	14-Nov-2007				77.80	3778.68
	13-Sep-2007				77.75	3778.73



**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
692-07	20-Feb-2019	374944.88	1532019.81	3848.20	74.11	3774.09
	13-Nov-2018				75.38	3772.82
	7-Aug-2018				75.47	3772.73
	17-May-2018				75.27	3772.93
	6-Feb-2018				73.70	3774.50
	7-Nov-2017				74.54	3773.66
	9-Aug-2017				75.00	3773.20
	16-May-2017				75.44	3772.76
	7-Feb-2017				73.91	3774.29
	8-Nov-2016				75.40	3772.80
	16-Aug-2016				75.27	3772.93
	17-May-2016				75.00	3773.20
	10-Feb-2016				73.87	3774.33
	6-Nov-2015				74.81	3773.39
	6-Aug-2015				74.52	3773.68
	6-May-2015				75.04	3773.16
	6-Feb-2015				73.40	3774.80
	5-Nov-2014				74.65	3773.55
	12-Aug-2014				74.94	3773.26
	13-May-2014				73.69	3774.51
	14-Feb-2014				73.14	3775.06
	6-Nov-2013				74.26	3773.94
	6-Aug-2013				73.92	3774.28
	7-May-2013				73.21	3774.99
	7-Feb-2013				72.55	3775.65
	26-Oct-2012				72.78	3775.42
	1-Aug-2012				72.60	3775.60
	24-Apr-2012				71.84	3776.36
	24-Jan-2012				70.30	3777.90
	13-Dec-2011				70.54	3777.66
	18-Jul-2011				71.32	3776.88
	19-Apr-2011				70.22	3777.98
	18-Jan-2011				69.01	3779.19
	15-Sep-2010				69.72	3778.48
	30-Jun-2010				69.87	3778.33
	22-Mar-2010				68.59	3779.61
	9-Dec-2009				68.97	3779.23
	28-Aug-2009				69.71	3778.49
	26-May-2009				69.35	3778.85
	11-Dec-2008				68.38	3779.82
	28-Sep-2008				68.99	3779.21
	11-Jun-2008				69.35	3778.85
	6-Feb-2008				68.44	3779.76
	14-Nov-2007				69.46	3778.74
	13-Sep-2007				69.46	3778.74

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
692-08	20-Feb-2019	375535.69	1531378.09	3843.09	67.75	3775.34
	13-Nov-2018				68.93	3774.16
	7-Aug-2018				69.66	3773.43
	17-May-2018				70.00	3773.09
	6-Feb-2018				67.29	3775.80
	7-Nov-2017				68.25	3774.84
	9-Aug-2017				68.70	3774.39
	16-May-2017				69.98	3773.11
	7-Feb-2017				67.50	3775.59
	8-Nov-2016				69.25	3773.84
	16-Aug-2016				69.32	3773.77
	17-May-2016				69.25	3773.84
	10-Feb-2016				67.58	3775.51
	6-Nov-2015				68.60	3774.49
	6-Aug-2015				68.45	3774.64
	6-May-2015				69.22	3773.87
	6-Feb-2015				67.12	3775.97
	5-Nov-2014				68.47	3774.62
	12-Aug-2014				68.72	3774.37
	13-May-2014				68.35	3774.74
	14-Feb-2014				67.81	3775.28
	6-Nov-2013				68.06	3775.03
	6-Aug-2013				68.52	3774.57
	14-May-2013				67.09	3776.00
	7-Feb-2013				66.64	3776.45
	26-Oct-2012				67.17	3775.92
	1-Aug-2012				66.47	3776.62
	24-Apr-2012				65.84	3777.25
	30-Jan-2012				64.58	3778.51
	9-Dec-2011				64.65	3778.44
	18-Jul-2011				65.79	3777.30
	19-Apr-2011				64.32	3778.77
	18-Jan-2011				62.49	3780.60
1-Oct-2010	63.83	3779.26				
30-Jun-2010	63.71	3779.38				
22-Mar-2010	62.45	3780.64				
9-Dec-2009	62.57	3780.52				
28-Aug-2009	63.42	3779.67				
26-May-2009	64.03	3779.06				
11-Dec-2008	61.83	3781.26				
28-Sep-2008	63.42	3779.67				
11-Jun-2008	63.40	3779.69				
6-Feb-2008	62.02	3781.07				
14-Nov-2007	63.25	3779.84				
13-Sep-2007	64.02	3779.07				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
692-09	20-Feb-2019	373575.83	1532395.09	3856.32	83.87	3772.45
	13-Nov-2018				85.10	3771.22
	7-Aug-2018				85.15	3771.17
	17-May-2018				84.89	3771.43
	6-Feb-2018				83.45	3772.87
	7-Nov-2017				84.44	3771.88
	9-Aug-2017				84.85	3771.47
	16-May-2017				84.95	3771.37
	7-Feb-2017				83.68	3772.64
	8-Nov-2016				85.20	3771.12
	16-Aug-2016				85.13	3771.19
	17-May-2016				84.55	3771.77
	10-Feb-2016				83.56	3772.76
	6-Nov-2015				84.47	3771.85
	13-Aug-2015				84.35	3771.97
	6-May-2015				85.04	3771.28
	6-Feb-2015				83.34	3772.98
	10-Nov-2014				83.56	3772.76
	14-Aug-2014				84.03	3772.29
	13-May-2014				83.59	3772.73
	17-Feb-2014				82.51	3773.81
	6-Nov-2013				83.73	3772.59
	6-Aug-2013				83.40	3772.92
	7-May-2013				82.64	3773.68
	7-Feb-2013				82.02	3774.30
	26-Oct-2012				82.18	3774.14
	1-Aug-2012				82.11	3774.21
	24-Apr-2012				81.17	3775.15
	25-Jan-2012				79.80	3776.52
	8-Dec-2011				80.44	3775.88
	18-Jul-2011				80.78	3775.54
	19-Apr-2011				79.65	3776.67
	17-Jan-2011				78.52	3777.80
	15-Sep-2010				79.33	3776.99
	30-Jun-2010				79.52	3776.80
	22-Mar-2010				78.13	3778.19
	9-Dec-2009				78.79	3777.53
	28-Aug-2009				79.48	3776.84
	26-May-2009				78.89	3777.43
	11-Dec-2008				78.11	3778.21
	28-Sep-2008				78.55	3777.77
	11-Jun-2008				79.03	3777.29
	6-Feb-2008				78.16	3778.16
	14-Nov-2007				79.15	3777.17
	13-Sep-2007				79.93	3776.39

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
<b>Anthony Waste Water Treatment Plant</b>						
MW-1	1-Mar-2019	372097.86	1532364.36	3843.03	61.86	3781.17
	13-Nov-2018				61.53	3781.50
	15-Aug-2018				61.59	3781.44
	17-May-2018				61.56	3781.47
	13-Feb-2018				61.22	3781.81
	9-Nov-2017				61.06	3781.97
	10-Aug-2017				61.15	3781.88
	19-May-2017				61.24	3781.79
	7-Feb-2017				60.95	3782.08
	10-Nov-2016				60.91	3782.12
	16-Aug-2016				61.38	3781.65
	17-May-2016				61.40	3781.63
	11-Feb-2016				61.40	3781.63
	11-Nov-2015				61.08	3781.95
	7-Aug-2015				60.85	3782.18
	7-May-2015				61.27	3781.76
	6-Feb-2015				60.96	3782.07
	6-Nov-2014				60.79	3782.24
	12-Aug-2014				60.73	3782.30
	13-May-2014				60.65	3782.38
	14-Feb-2014				60.49	3782.54
	7-Nov-2013				60.28	3782.75
	7-Aug-2013				60.13	3782.90
	8-May-2013				59.72	3783.31
	7-Feb-2013				59.23	3783.80
	26-Oct-2012				58.85	3784.18
	2-Aug-2012				58.79	3784.24
	25-Apr-2012				58.28	3784.75
	9-Dec-2011				58.01	3785.02
	18-Jul-2011				58.44	3784.59
20-Apr-2011	58.35	3784.68				
18-Jan-2011	58.20	3784.83				
15-Sep-2010	58.28	3784.75				
24-Jun-2010	58.50	3784.53				
22-Mar-2010	58.43	3784.60				
9-Dec-2009	58.15	3784.88				
28-Aug-2009	58.07	3784.96				
27-May-2009	58.41	3784.62				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
MW-2	1-Mar-2019	NM	NM	3843.25	62.62	3780.63
	13-Nov-2018				62.04	3781.21
	15-Aug-2018				61.96	3781.29
	17-May-2018				62.65	3780.60
	13-Feb-2018				62.47	3780.78
	9-Nov-2017				62.20	3781.05
	10-Aug-2017				62.26	3780.99
	19-May-2017				62.32	3780.93
	7-Feb-2017				62.20	3781.05
	10-Nov-2016				61.82	3781.43
	16-Aug-2016				62.34	3780.91
	17-May-2016				62.67	3780.58
	11-Feb-2016				62.73	3780.52
	11-Nov-2015				62.30	3780.95
	7-Aug-2015				62.05	3781.20
	7-May-2015				62.66	3780.59
	6-Feb-2015				62.48	3780.77
	6-Nov-2014				62.22	3781.03
	12-Aug-2014				62.09	3781.16
	13-May-2014				62.06	3781.19
	14-Feb-2014				62.04	3781.21
	7-Nov-2013				61.81	3781.44
	7-Aug-2013				62.07	3781.18
	8-May-2013				61.21	3782.04
	7-Feb-2013				60.85	3782.40
	26-Oct-2012				60.42	3782.83
	2-Aug-2012				60.30	3782.95
	25-Apr-2012				59.94	3783.31
	30-Jan-2012				59.30	3783.95
	9-Dec-2011				59.33	3783.92
18-Jul-2011	59.41	3783.84				
20-Apr-2011	59.42	3783.83				
18-Jan-2011	59.31	3783.94				
15-Sep-2010	59.08	3784.17				
24-Jun-2010	59.37	3783.88				
22-Mar-2010	59.44	3783.81				
9-Dec-2009	59.19	3784.06				
28-Aug-2009	58.98	3784.27				
27-May-2009	59.45	3783.80				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>	
MW-3	1-Mar-2019	NM	NM	3841.24	57.18	3784.06	
	13-Nov-2018				57.09	3784.15	
	15-Aug-2018				57.02	3784.22	
	17-May-2018					Dry	
	13-Feb-2018					Dry	
	9-Nov-2017					Dry	
	10-Aug-2017					Dry	
	19-May-2017					Dry	
	7-Feb-2017					Dry	
	10-Nov-2016					Dry	
	16-Aug-2016					Dry	
	17-May-2016					Dry	
	11-Feb-2016					Dry	
	11-Nov-2015					Dry	
	7-Aug-2015					Dry	
	7-May-2015					Dry	
	6-Feb-2015					Dry	
	6-Nov-2014					Dry	
	12-Aug-2014					Dry	
	13-May-2014					Dry	
	14-Feb-2014					Dry	
	7-Nov-2013					Dry	
	7-Aug-2013					59.29	3781.95
	8-May-2013					58.80	3782.44
	7-Feb-2013					58.36	3782.88
	26-Oct-2012					57.98	3783.26
	2-Aug-2012					57.81	3783.43
	25-Apr-2012					57.32	3783.92
	30-Jan-2012					56.80	3784.44
	8-Dec-2011					56.87	3784.37
	18-Jul-2011					56.98	3784.26
	19-Apr-2011					56.93	3784.31
	18-Jan-2011					56.73	3784.51
15-Sep-2010		Could not access					
24-Jun-2010		56.91	3784.33				
22-Mar-2010		56.93	3784.31				
9-Dec-2009		56.69	3784.55				
28-Aug-2009		56.54	3784.70				
27-May-2009		56.96	3784.28				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
<b>ABATEMENT PLAN MONITOR WELLS</b>						
DAD-01	19-Feb-2019	422970.59	1512825.76	3886.16	72.51	3813.65
	12-Nov-2018				72.84	3813.32
	6-Aug-2018				73.70	3812.46
	17-May-2018				73.38	3812.78
	5-Feb-2018				71.87	3814.29
	6-Nov-2017				72.81	3813.35
	7-Aug-2017				73.66	3812.50
	15-May-2017				73.69	3812.47
	7-Feb-2017				72.38	3813.78
	8-Nov-2016				73.39	3812.77
	16-Aug-2016				74.02	3812.14
	17-May-2016				73.90	3812.26
	10-Feb-2016				72.32	3813.84
	6-Nov-2015				73.00	3813.16
	6-Aug-2015				73.54	3812.62
	7-May-2015				72.98	3813.18
	6-Feb-2015				71.45	3814.71
	6-Nov-2014				72.07	3814.09
	12-Aug-2014				71.93	3814.23
	13-May-2014				71.48	3814.68
	12-Feb-2014				70.14	3816.02
	6-Nov-2013				70.64	3815.52
	7-Aug-2013				68.63	3817.53
	7-May-2013				68.48	3817.68
	8-Feb-2013				68.59	3817.57
	29-Oct-2012				68.12	3818.04
	30-Jul-2012				68.97	3817.19
	23-Apr-2012				68.19	3817.97
	25-Jan-2012				67.15	3819.01
	8-Dec-2011				67.41	3818.75
19-Jul-2011	67.41	3818.75				
25-Apr-2011	65.86	3820.30				
18-Jan-2011	65.37	3820.79				
16-Sep-2010	65.86	3820.30				
24-Jun-2010	66.58	3819.58				
21-Mar-2010	65.46	3820.70				
9-Dec-2009	65.32	3820.84				
29-Aug-2009	65.68	3820.48				
26-May-2009	65.43	3820.73				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
DAD-02	19-Feb-2019	413002.98	1517319.93	3875.82	65.90	3809.92
	12-Nov-2018				66.40	3809.42
	6-Aug-2018				66.42	3809.40
	17-May-2018				66.10	3809.72
	5-Feb-2018				65.63	3810.19
	6-Nov-2017				66.21	3809.61
	7-Aug-2017				66.75	3809.07
	16-May-2017				66.74	3809.08
	7-Feb-2017				66.41	3809.41
	8-Nov-2016				67.08	3808.74
	16-Aug-2016				67.55	3808.27
	17-May-2016				67.30	3808.52
	10-Feb-2016				66.83	3808.99
	6-Nov-2015				67.21	3808.61
	6-Aug-2015				67.25	3808.57
	7-May-2015				67.10	3808.72
	6-Feb-2015				66.30	3809.52
	6-Nov-2014				66.60	3809.22
	12-Aug-2014				66.55	3809.27
	13-May-2014				66.01	3809.81
	12-Feb-2014				65.42	3810.40
	7-Nov-2013				65.55	3810.27
	7-Aug-2013				65.01	3810.81
	8-May-2013				64.56	3811.26
	8-Feb-2013				64.04	3811.78
	29-Oct-2012				64.11	3811.71
	31-Jul-2012				64.03	3811.79
	24-Apr-2012				63.45	3812.37
	25-Jan-2012				62.91	3812.91
	8-Dec-2011				63.07	3812.75
19-Jul-2011	62.63	3813.19				
18-Apr-2011	62.11	3813.71				
17-Jan-2011	61.37	3814.45				
16-Sep-2010	61.79	3814.03				
25-Jun-2010	62.95	3812.87				
21-Mar-2010	61.43	3814.39				
9-Dec-2009	61.46	3814.36				
29-Aug-2009	61.65	3814.17				
26-May-2009	61.59	3814.23				



**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
DAD-03	19-Feb-2019	407721.31	1516497.85	3820.58	12.45	3808.13
	12-Nov-2018				12.55	3808.03
	7-Aug-2018				12.38	3808.20
	17-May-2018				12.41	3808.17
	5-Feb-2018				11.55	3809.03
	7-Nov-2017				11.62	3808.96
	9-Aug-2017				12.47	3808.11
	16-May-2017				13.31	3807.27
	7-Feb-2017				12.50	3808.08
	8-Nov-2016				NM	NM
	17-Aug-2016				13.12	3807.46
	20-May-2016				13.82	3806.76
	10-Feb-2016				13.07	3807.51
	6-Nov-2015				13.20	3807.38
	6-Aug-2015				13.41	3807.17
	7-May-2015				13.52	3807.06
	6-Feb-2015				12.87	3807.71
	6-Nov-2014				12.94	3807.64
	12-Aug-2014				13.20	3807.38
	13-May-2014				13.39	3807.19
	17-Feb-2014				12.66	3807.92
	11-Dec-2013				12.67	3807.91
	14-Aug-2013				12.36	3808.22
	8-May-2013				11.87	3808.71
	8-Feb-2013				11.07	3809.51
	29-Oct-2012				10.93	3809.65
	31-Jul-2012				10.90	3809.68
	24-Apr-2012				10.97	3809.61
	25-Jan-2012				10.60	3809.98
	8-Dec-2011				10.70	3809.88
	19-Jul-2011				10.29	3810.29
	18-Apr-2011				10.12	3810.46
24-Jan-2011	9.36	3811.22				
16-Sep-2010	9.40	3811.18				
24-Jun-2010	9.97	3810.61				
21-Mar-2010	9.90	3810.68				
9-Dec-2009	9.79	3810.79				
29-Aug-2009	9.72	3810.86				
26-May-2009	9.89	3810.69				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
DAD-04	19-Feb-2019	404576.66	1517413.28	3821.47	15.85	3805.62
	12-Nov-2018				16.15	3805.32
	7-Aug-2018				15.76	3805.71
	17-May-2018				16.66	3804.81
	6-Feb-2018				14.44	3807.03
	6-Nov-2017				14.49	3806.98
	7-Aug-2017				15.55	3805.92
	16-May-2017				17.58	3803.89
	7-Feb-2017				15.59	3805.88
	8-Nov-2016				15.57	3805.90
	16-Aug-2016				16.15	3805.32
	17-May-2016				17.20	3804.27
	10-Feb-2016				15.21	3806.26
	6-Nov-2015				15.98	3805.49
	6-Aug-2015				16.77	3804.70
	7-May-2015				17.57	3803.90
	6-Feb-2015				15.55	3805.92
	6-Nov-2014				15.29	3806.18
	13-Aug-2014				15.81	3805.66
	13-May-2014				17.36	3804.11
	13-Feb-2014				15.45	3806.02
	7-Nov-2013				16.91	3804.56
	7-Aug-2013				17.11	3804.36
	8-May-2013				15.02	3806.45
	8-Feb-2013				14.48	3806.99
	29-Oct-2012				15.10	3806.37
	31-Jul-2012				14.37	3807.10
	24-Apr-2012				14.27	3807.20
	25-Jan-2012				13.40	3808.07
	8-Dec-2011				13.84	3807.63
	19-Jul-2011				13.63	3807.84
	18-Apr-2011				13.21	3808.26
17-Jan-2011	12.71	3808.76				
16-Sep-2010	12.14	3809.33				
23-Jun-2010	12.59	3808.88				
21-Mar-2010	12.88	3808.59				
9-Dec-2009	12.10	3809.37				
29-Aug-2009	12.13	3809.34				
26-May-2009	12.31	3809.16				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
DAD-05	19-Feb-2019	396712.87	1519102.06	3816.01	15.65	3800.36
	13-Nov-2018				15.28	3800.73
	7-Aug-2018				14.25	3801.76
	14-May-2018				15.45	3800.56
	6-Feb-2018				14.95	3801.06
	7-Nov-2017				13.75	3802.26
	7-Aug-2017				13.70	3802.31
	16-May-2017				15.96	3800.05
	7-Feb-2017				15.86	3800.15
	8-Nov-2016				15.46	3800.55
	16-Aug-2016				14.28	3801.73
	17-May-2016				16.85	3799.16
	10-Feb-2016				16.55	3799.46
	6-Nov-2015				16.57	3799.44
	13-Aug-2015				14.38	3801.63
	7-May-2015				18.16	3797.85
	6-Feb-2015				16.60	3799.41
	10-Nov-2014				17.25	3798.76
	13-Aug-2014				14.33	3801.68
	13-May-2014				17.24	3798.77
	13-Feb-2014				15.82	3800.19
	7-Nov-2013				15.39	3800.62
	7-Aug-2013				15.32	3800.69
	8-May-2013				15.78	3800.23
	8-Feb-2013				15.08	3800.93
	29-Oct-2012				14.85	3801.16
	2-Aug-2012				14.17	3801.84
	24-Apr-2012				14.14	3801.87
	25-Jan-2012				14.11	3801.90
	8-Dec-2011				14.05	3801.96
18-Jul-2011	12.31	3803.70				
18-Apr-2011	12.58	3803.43				
17-Jan-2011	12.50	3803.51				
16-Sep-2010	11.87	3804.14				
23-Jun-2010	12.95	3803.06				
21-Mar-2010	12.92	3803.09				
9-Dec-2009	12.13	3803.88				
29-Aug-2009	11.85	3804.16				
26-May-2009	12.07	3803.94				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
DAD-06	14-Mar-2019	404273.19	1522081.00	3887.71	Dry	
	13-Nov-2018				Dry	
	7-Aug-2018				Dry	
	17-May-2018				Dry	
	6-Feb-2018				Dry	
	6-Nov-2017				Dry	
	7-Aug-2017				Dry	
	16-May-2017				Dry	
	7-Feb-2017				Dry	
	8-Nov-2016				Dry	
	16-Aug-2016				Dry	
	17-May-2016				Dry	
	10-Feb-2016				Dry	
	6-Nov-2015				Dry	
	6-Aug-2015				Dry	
	7-May-2015				Dry	
	6-Feb-2015				Dry	
	6-Nov-2014				Dry	
	12-Aug-2014				Dry	
	13-May-2014				Dry	
	13-Feb-2014				Dry	
	7-Nov-2013				Dry	
	7-Aug-2013				Dry	
	8-May-2013				82.79	3804.92
	8-Feb-2013				82.38	3805.33
	29-Oct-2012				82.47	3805.24
	1-Aug-2012				82.20	3805.51
	24-Apr-2012				82.13	3805.58
	25-Jan-2012				81.32	3806.39
	8-Dec-2011				81.55	3806.16
	18-Jul-2011				80.94	3806.77
	20-Apr-2011				80.16	3807.55
	17-Jan-2011				79.43	3808.28
16-Sep-2010	79.68	3808.03				
25-Jun-2010	80.33	3807.38				
21-Mar-2010	79.85	3807.86				
9-Dec-2009	79.95	3807.76				
29-Aug-2009	80.46	3807.25				
26-May-2009	80.32	3807.39				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
DAD-07	20-Feb-2019	399270.18	1524320.88	3891.38	92.24	3799.14
	13-Nov-2018				92.59	3798.79
	7-Aug-2018				92.45	3798.93
	14-May-2018				92.27	3799.11
	5-Feb-2018				92.16	3799.22
	6-Nov-2017				92.47	3798.91
	7-Aug-2017				92.72	3798.66
	15-May-2017				92.61	3798.77
	7-Feb-2017				92.40	3798.98
	8-Nov-2016				93.77	3797.61
	16-Aug-2016				92.94	3798.44
	17-May-2016				92.81	3798.57
	10-Feb-2016				92.64	3798.74
	6-Nov-2015				92.59	3798.79
	6-Aug-2015				92.43	3798.95
	7-May-2015				92.46	3798.92
	6-Feb-2015				92.28	3799.10
	6-Nov-2014				92.34	3799.04
	12-Aug-2014				92.12	3799.26
	13-May-2014				91.88	3799.50
	13-Feb-2014				91.37	3800.01
	7-Nov-2013				91.60	3799.78
	7-Aug-2013				91.19	3800.19
	8-May-2013				90.89	3800.49
	8-Feb-2013				90.13	3801.25
	29-Oct-2012				90.34	3801.04
	2-Aug-2012				90.38	3801.00
	24-Apr-2012				90.25	3801.13
	25-Jan-2012				89.75	3801.63
	8-Dec-2011				89.35	3802.03
18-Jul-2011	88.98	3802.40				
20-Apr-2011	88.34	3803.04				
17-Jan-2011	87.94	3803.44				
16-Sep-2010	88.29	3803.09				
25-Jun-2010	88.49	3802.89				
21-Mar-2010	88.00	3803.38				
9-Dec-2009	88.19	3803.19				
29-Aug-2009	88.45	3802.93				
26-May-2009	88.14	3803.24				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
DAD-08	20-Feb-2019	395287.38	1522575.07	3849.15	50.77	3798.38
	13-Nov-2018				51.58	3797.57
	7-Aug-2018				51.70	3797.45
	14-May-2018				52.20	3796.95
	6-Feb-2018				50.88	3798.27
	7-Nov-2017				51.15	3798.00
	7-Aug-2017				51.71	3797.44
	16-May-2017				52.95	3796.20
	7-Feb-2017				51.74	3797.41
	8-Nov-2016				52.45	3796.70
	16-Aug-2016				52.89	3796.26
	17-May-2016				53.80	3795.35
	10-Feb-2016				52.64	3796.51
	6-Nov-2015				53.04	3796.11
	6-Aug-2015				52.90	3796.25
	7-May-2015				53.22	3795.93
	6-Feb-2015				51.97	3797.18
	6-Nov-2014				52.61	3796.54
	13-Aug-2014				53.09	3796.06
	13-May-2014				53.98	3795.17
	13-Feb-2014				51.31	3797.84
	7-Nov-2013				51.50	3797.65
	7-Aug-2013				53.18	3795.97
	8-May-2013				52.43	3796.72
	8-Feb-2013				50.37	3798.78
	29-Oct-2012				49.86	3799.29
	1-Aug-2012				50.34	3798.81
	24-Apr-2012				50.34	3798.81
	25-Jan-2012				49.62	3799.53
	13-Dec-2011				50.12	3799.03
	18-Jul-2011				49.97	3799.18
	20-Apr-2011				48.87	3800.28
	18-Jan-2011				47.80	3801.35
	17-Sep-2010				47.05	3802.10
	25-Jun-2010				48.06	3801.09
	21-Mar-2010				47.76	3801.39
	9-Dec-2009				47.42	3801.73
	29-Aug-2009				47.18	3801.97
	26-May-2009				47.38	3801.77

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
DAD-09	20-Feb-2019	373259.30	1530905.70	3838.03	57.75	3780.28
	13-Nov-2018				58.15	3779.88
	7-Aug-2018				58.32	3779.71
	14-May-2018				58.25	3779.78
	6-Feb-2018				58.10	3779.93
	7-Nov-2017				58.28	3779.75
	9-Aug-2017				58.73	3779.30
	16-May-2017				58.56	3779.47
	7-Feb-2017				58.25	3779.78
	8-Nov-2016				58.46	3779.57
	16-Aug-2016				58.28	3779.75
	17-May-2016				57.91	3780.12
	10-Feb-2016				57.75	3780.28
	6-Nov-2015				57.46	3780.57
	6-Aug-2015				57.36	3780.67
	7-May-2015				57.19	3780.84
	6-Feb-2015				56.90	3781.13
	6-Nov-2014				56.69	3781.34
	12-Aug-2014				56.57	3781.46
	13-May-2014				56.14	3781.89
	13-Feb-2014				55.65	3782.38
	7-Nov-2013				55.17	3782.86
	7-Aug-2013				55.35	3782.68
	7-May-2013				54.94	3783.09
	8-Feb-2013				54.67	3783.36
	29-Oct-2012				54.13	3783.90
	2-Aug-2012				53.86	3784.17
	24-Apr-2012				53.40	3784.63
	25-Jan-2012				52.67	3785.36
	13-Dec-2011				52.62	3785.41
18-Jul-2011	52.28	3785.75				
18-Apr-2011	51.89	3786.14				
17-Jan-2011	51.09	3786.94				
17-Sep-2010	51.55	3786.48				
29-Jun-2010	52.20	3785.83				
21-Mar-2010	51.84	3786.19				
9-Dec-2009	52.12	3785.91				
29-Aug-2009	52.23	3785.80				
26-May-2009	52.49	3785.54				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
DAD-10	20-Feb-2019	372980.55	1532375.33	3854.93	82.71	3772.22
	13-Nov-2018				84.08	3770.85
	7-Aug-2018				84.45	3770.48
	17-May-2018				84.35	3770.58
	5-Feb-2018				82.54	3772.39
	6-Nov-2017				83.29	3771.64
	9-Aug-2017				83.76	3771.17
	16-May-2017				84.45	3770.48
	7-Feb-2017				82.58	3772.35
	8-Nov-2016				84.47	3770.46
	16-Aug-2016				84.45	3770.48
	17-May-2016				83.77	3771.16
	10-Feb-2016				82.52	3772.41
	6-Nov-2015				83.80	3771.13
	6-Aug-2015				83.56	3771.37
	7-May-2015				83.93	3771.00
	6-Feb-2015				82.18	3772.75
	6-Nov-2014				83.31	3771.62
	12-Aug-2014				83.25	3771.68
	13-May-2014				83.61	3771.32
	17-Feb-2014				81.59	3773.34
	7-Nov-2013				82.75	3772.18
	7-Aug-2013				82.78	3772.15
	7-May-2013				81.77	3773.16
	8-Feb-2013				80.87	3774.06
	29-Oct-2012				81.02	3773.91
	2-Aug-2012				81.47	3773.46
	24-Apr-2012				80.36	3774.57
	25-Jan-2012				78.76	3776.17
	13-Dec-2011				79.07	3775.86
18-Jul-2011	80.29	3774.64				
20-Apr-2011	79.13	3775.80				
17-Jan-2011	77.82	3777.11				
17-Sep-2010	78.66	3776.27				
29-Jun-2010	78.59	3776.34				
21-Mar-2010	77.19	3777.74				
9-Dec-2009	77.92	3777.01				
29-Aug-2009	78.72	3776.21				
26-May-2009	77.90	3777.03				



**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
DAD-11 Vertical Delineation	19-Feb-2019	416211.35	1513814.71	3835.90	21.35	3814.55
	12-Nov-2018				21.45	3814.45
	6-Aug-2018				20.21	3815.69
	17-May-2018				22.15	3813.75
	6-Feb-2018				21.38	3814.52
	6-Nov-2017				21.15	3814.75
	8-Aug-2017				21.55	3814.35
	15-May-2017				22.79	3813.11
	7-Feb-2017				22.75	3813.15
	8-Nov-2016				22.20	3813.70
	16-Aug-2016				22.20	3813.70
	17-May-2016				23.54	3812.36
	10-Feb-2016				23.14	3812.76
	6-Nov-2015				22.92	3812.98
	6-Aug-2015				22.38	3813.52
	7-May-2015				22.64	3813.26
	6-Feb-2015				22.50	3813.40
	10-Nov-2014				21.80	3814.10
	13-Aug-2014				20.77	3815.13
	12-May-2014				21.34	3814.56
	12-Feb-2014				21.64	3814.26
	7-Nov-2013				20.76	3815.14
	7-Aug-2013				20.17	3815.73
	8-May-2013				20.70	3815.20
	8-Feb-2013				19.25	3816.65
	29-Oct-2012				19.07	3816.83
	30-Jul-2012				18.57	3817.33
	24-Apr-2012				19.12	3816.78
	25-Jan-2012				18.40	3817.50
	13-Dec-2011				18.75	3817.15
	19-Jul-2011				17.54	3818.36
	19-Apr-2011				17.31	3818.59
	17-Jan-2011				16.99	3818.91
	15-Sep-2010				16.24	3819.66
23-Jun-2010	16.53	3819.37				
22-Mar-2010	17.29	3818.61				
8-Dec-2009	16.82	3819.08				
28-Aug-2009	16.63	3819.27				
26-May-2009	16.92	3818.98				
10-Dec-2008	17.05	3818.85				
27-Sep-2008	16.65	3819.25				
10-Jun-2008	17.53	3818.37				
6-Feb-2008	17.33	3818.57				
13-Nov-2007	17.19	3818.71				
13-Sep-2007	16.61	3819.29				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
DAD-12 Vertical Delineation	19-Feb-2019	419731.54	1512274.77	3866.72	51.65	3815.07
	13-Nov-2018				51.28	3815.44
	6-Aug-2018				50.60	3816.12
	17-May-2018				52.21	3814.51
	6-Feb-2018				51.35	3815.37
	7-Nov-2017				51.30	3815.42
	8-Aug-2017				52.10	3814.62
	15-May-2017				52.48	3814.24
	7-Feb-2017				52.63	3814.09
	7-Nov-2016				52.41	3814.31
	16-Aug-2016				52.73	3813.99
	17-May-2016				53.20	3813.52
	10-Feb-2016				52.77	3813.95
	6-Nov-2015				52.77	3813.95
	6-Aug-2015				52.87	3813.85
	7-May-2015				52.75	3813.97
	6-Feb-2015				52.18	3814.54
	10-Nov-2014				51.93	3814.79
	13-Aug-2014				51.10	3815.62
	12-May-2014				51.43	3815.29
	12-Feb-2014				50.92	3815.80
	7-Nov-2013				50.49	3816.23
	7-Aug-2013				49.24	3817.48
	7-May-2013				49.66	3817.06
	8-Feb-2013				49.36	3817.36
	29-Oct-2012				48.96	3817.76
	31-Jul-2012				48.59	3818.13
23-Apr-2011	48.44	3818.28				
25-Jan-2012	48.01	3818.71				
6-Dec-2011	48.15	3818.57				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
DAD-13	19-Feb-2019	417879.08	1515673.13	3898.44	86.29	3812.15
	12-Nov-2018				86.20	3812.24
	6-Aug-2018				89.48	3808.96
	17-May-2018				89.84	3808.60
	5-Feb-2018				85.81	3812.63
	6-Nov-2017				86.65	3811.79
	8-Aug-2017				88.68	3809.76
	15-May-2017				88.16	3810.28
	7-Feb-2017				86.25	3812.19
	8-Nov-2016				87.04	3811.40
	16-Aug-2016				87.70	3810.74
	20-May-2016				88.63	3809.81
	10-Feb-2016				86.30	3812.14
	6-Nov-2015				86.40	3812.04
	6-Aug-2015				88.65	3809.79
	7-May-2015				88.05	3810.39
	6-Feb-2015				85.50	3812.94
	10-Nov-2014				85.74	3812.70
	13-Aug-2014				86.67	3811.77
	13-May-2014				87.24	3811.20
	12-Feb-2014				84.45	3813.99
	7-Nov-2013				85.43	3813.01
	14-Aug-2013				86.46	3811.98
	8-May-2013				84.96	3813.48
	8-Feb-2013				84.81	3813.63
	29-Oct-2012				85.39	3813.05
30-Jul-2012	85.51	3812.93				
23-Apr-2012	83.56	3814.88				
25-Jan-2012	82.72	3815.72				
8-Dec-2011	82.88	3815.56				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
DAD-14	19-Feb-2019	414923.33	1514695.26	3841.90	29.24	3812.66
	12-Nov-2018				29.30	3812.60
	6-Aug-2018				29.35	3812.55
	17-May-2018				29.55	3812.35
	5-Feb-2018				28.80	3813.10
	6-Nov-2017				29.07	3812.83
	9-Aug-2017				29.75	3812.15
	15-May-2017				30.40	3811.50
	7-Feb-2017				30.00	3811.90
	8-Nov-2016				30.18	3811.72
	16-Aug-2016				30.55	3811.35
	17-May-2016				30.95	3810.95
	10-Feb-2016				30.47	3811.43
	6-Nov-2015				30.54	3811.36
	6-Aug-2015				30.47	3811.43
	7-May-2015				30.29	3811.61
	6-Feb-2015				29.83	3812.07
	10-Nov-2014				29.50	3812.40
	13-Aug-2014				28.63	3813.27
	13-May-2014				29.68	3812.22
	12-Feb-2014				29.02	3812.88
	7-Nov-2013				28.44	3813.46
	7-Aug-2013				28.25	3813.65
	8-May-2013				28.15	3813.75
	8-Feb-2013				27.31	3814.59
	25-Oct-2012				26.62	3815.28
30-Jul-2012	25.85	3816.05				
24-Apr-2012	26.07	3815.83				
25-Jan-2012	26.10	3815.80				
8-Dec-2011	26.30	3815.60				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
DAD-15	21-Feb-2019	402001.22	1523552.04	3897.61	95.71	3801.90
	13-Nov-2018				96.05	3801.56
	7-Aug-2018				95.74	3801.87
	17-May-2018				95.65	3801.96
	6-Feb-2018				95.62	3801.99
	7-Nov-2017				95.86	3801.75
	15-Aug-2017				96.41	3801.20
	16-May-2017				96.18	3801.43
	16-Feb-2017				95.81	3801.80
	8-Nov-2016				96.21	3801.40
	16-Aug-2016				96.38	3801.23
	17-May-2016				96.32	3801.29
	10-Feb-2016				96.00	3801.61
	6-Nov-2015				96.08	3801.53
	6-Aug-2015				96.05	3801.56
	7-May-2015				96.05	3801.56
	6-Feb-2015				95.65	3801.96
	6-Nov-2014				95.11	3802.50
	14-Aug-2014				95.50	3802.11
	13-May-2014				95.47	3802.14
	12-Feb-2014				94.81	3802.80
	7-Nov-2013				95.08	3802.53
	7-Aug-2013				95.31	3802.30
8-May-2013	94.35	3803.26				
8-Feb-2013	94.01	3803.60				
29-Oct-2012	93.78	3803.83				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
DAD-16	20-Feb-2019	400628.77	1519350.74	3819.28	17.45	3801.83
	13-Nov-2018				17.90	3801.38
	7-Aug-2018				18.00	3801.28
	17-May-2018				18.45	3800.83
	6-Feb-2018				16.39	3802.89
	7-Nov-2017				16.26	3803.02
	9-Aug-2017				16.60	3802.68
	16-May-2017				19.34	3799.94
	7-Feb-2017				17.16	3802.12
	8-Nov-2016				17.73	3801.55
	16-Aug-2016				17.70	3801.58
	17-May-2016				20.22	3799.06
	10-Feb-2016				18.46	3800.82
	6-Nov-2015				19.24	3800.04
	6-Aug-2015				19.46	3799.82
	7-May-2015				20.45	3798.83
	6-Feb-2015				18.45	3800.83
	10-Nov-2014				18.94	3800.34
	13-Aug-2014				19.45	3799.83
	13-May-2014				20.31	3798.97
	13-Feb-2014				18.45	3800.83
	7-Nov-2013				18.94	3800.34
	7-Aug-2013				19.06	3800.22
	8-May-2013				18.49	3800.79
	8-Feb-2013				17.20	3802.08
	29-Oct-2012				17.23	3802.05
	31-Jul-2012				18.58	3800.70
	24-Apr-2012				17.64	3801.64
25-Jan-2012	16.50	3802.78				
8-Dec-2011	16.58	3802.70				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
DAD-17	19-Feb-2019	393991.97	1520267.94	3817.75	19.20	3798.55
	13-Nov-2018				19.35	3798.40
	7-Aug-2018				18.72	3799.03
	14-May-2018				21.04	3796.71
	6-Feb-2018				18.61	3799.14
	7-Nov-2017				18.41	3799.34
	9-Aug-2017				18.07	3799.68
	16-May-2017				20.56	3797.19
	7-Feb-2017				19.47	3798.28
	8-Nov-2016				20.18	3797.57
	16-Aug-2016				20.17	3797.58
	17-May-2016				22.97	3794.78
	10-Feb-2016				21.22	3796.53
	6-Nov-2015				22.95	3794.80
	13-Aug-2015				21.95	3795.80
	7-May-2015				22.59	3795.16
	6-Feb-2015				21.00	3796.75
	10-Nov-2014				21.76	3795.99
	13-Aug-2014				20.32	3797.43
	13-May-2014				23.32	3794.43
	12-Feb-2014				20.05	3797.70
	7-Nov-2013				20.21	3797.54
	7-Aug-2013				19.75	3798.00
	13-May-2013				19.37	3798.38
	8-Feb-2013				18.55	3799.20
	29-Oct-2012				19.18	3798.57
2-Aug-2012	19.07	3798.68				
24-Apr-2012	21.01	3796.74				
25-Jan-2012	17.74	3800.01				
9-Dec-2011	19.21	3798.54				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
DAD-18 Vertical Delineation	20-Feb-2019	395714.14	1520588.96	3821.59	22.24	3799.35
	13-Nov-2018				22.43	3799.16
	7-Aug-2018				21.95	3799.64
	14-May-2018				23.58	3798.01
	6-Feb-2018				22.00	3799.59
	7-Nov-2017				22.41	3799.18
	7-Aug-2017				21.97	3799.62
	16-May-2017				24.19	3797.40
	7-Feb-2017				23.25	3798.34
	8-Nov-2016				23.55	3798.04
	16-Aug-2016				22.10	3799.49
	17-May-2016				25.39	3796.20
	10-Feb-2016				23.81	3797.78
	6-Nov-2015				24.35	3797.24
	13-Aug-2015				23.37	3798.22
	7-May-2015				25.84	3795.75
	6-Feb-2015				23.73	3797.86
	10-Nov-2014				24.90	3796.69
	12-Aug-2014				22.93	3798.66
	13-May-2014				25.33	3796.26
	17-Feb-2014				23.03	3798.56
	7-Nov-2013				23.25	3798.34
	7-Aug-2013				24.23	3797.36
	13-May-2013				22.97	3798.62
	8-Feb-2013				22.04	3799.55
	29-Oct-2012				22.40	3799.19
1-Aug-2012	22.43	3799.16				
24-Apr-2012	22.20	3799.39				
25-Jan-2012	21.33	3800.26				
6-Dec-2011	21.43	3800.16				



**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
DAD-19 Vertical Delineation	20-Feb-2019	400164.47	1522027.92	3864.50	63.40	3801.10
	13-Nov-2018				64.06	3800.44
	7-Aug-2018				63.95	3800.55
	14-May-2018				63.38	3801.12
	6-Feb-2018				62.67	3801.83
	7-Nov-2017				62.88	3801.62
	9-Aug-2017				63.71	3800.79
	16-May-2017				64.53	3799.97
	7-Feb-2017				63.57	3800.93
	8-Nov-2016				64.00	3800.50
	16-Aug-2016				64.54	3799.96
	17-May-2016				64.73	3799.77
	10-Feb-2016				64.50	3800.00
	6-Nov-2015				64.78	3799.72
	6-Aug-2015				65.35	3799.15
	7-May-2015				65.56	3798.94
	6-Feb-2015				64.38	3800.12
	10-Nov-2014				64.50	3800.00
	12-Aug-2014				65.29	3799.21
	13-May-2014				65.26	3799.24
	12-Feb-2014				63.99	3800.51
	7-Nov-2013				64.11	3800.39
	7-Aug-2013				64.46	3800.04
	14-May-2013				63.75	3800.75
	8-Feb-2013				62.95	3801.55
	29-Oct-2012				62.30	3802.20
1-Aug-2012	63.70	3800.80				
24-Apr-2012	63.31	3801.19				
25-Jan-2012	62.25	3802.25				
6-Dec-2011	62.29	3802.21				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
DAD-20	20-Feb-2019	371751.45	1531188.19	3833.27	54.60	3778.67
	13-Nov-2018				54.60	3778.67
	7-Aug-2018				54.80	3778.47
	14-May-2018				54.96	3778.31
	6-Feb-2018				54.27	3779.00
	6-Nov-2017				54.41	3778.86
	9-Aug-2017				54.71	3778.56
	16-May-2017				55.10	3778.17
	16-Feb-2017				54.55	3778.72
	8-Nov-2016				54.84	3778.43
	16-Aug-2016				54.97	3778.30
	17-May-2016				54.94	3778.33
	10-Feb-2016				54.50	3778.77
	6-Nov-2015				54.41	3778.86
	6-Aug-2015				54.32	3778.95
	7-May-2015				54.40	3778.87
	6-Feb-2015				54.26	3779.01
	6-Nov-2014				54.44	3778.83
	12-Aug-2014				54.26	3779.01
	13-May-2014				54.20	3779.07
	13-Feb-2014				53.54	3779.73
	7-Nov-2013				53.70	3779.57
	7-Aug-2013				53.43	3779.84
	8-May-2013				52.88	3780.39
	8-Feb-2013				52.29	3780.98
	7-Nov-2012				52.18	3781.09
	29-Oct-2012				Obstruction in Well	
	2-Aug-2012				Obstruction in Well	
	25-Apr-2012				Obstruction in Well	
	25-Jan-2012				50.65	3782.62
6-Dec-2011	50.66	3782.61				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
DAD-21	20-Feb-2019	374013.39	1530983.98	3839.62	58.62	3781.00
	13-Nov-2018				58.85	3780.77
	7-Aug-2018				58.79	3780.83
	17-May-2018				58.82	3780.80
	6-Feb-2018				58.65	3780.97
	6-Nov-2017				58.61	3781.01
	9-Aug-2017				59.28	3780.34
	16-May-2017				59.13	3780.49
	7-Feb-2017				59.02	3780.60
	8-Nov-2016				58.95	3780.67
	16-Aug-2016				58.79	3780.83
	17-May-2016				58.54	3781.08
	10-Feb-2016				58.48	3781.14
	6-Nov-2015				58.13	3781.49
	6-Aug-2015				57.83	3781.79
	7-May-2015				57.56	3782.06
	6-Feb-2015				57.16	3782.46
	6-Nov-2014				56.97	3782.65
	12-Aug-2014				56.82	3782.80
	13-May-2014				56.42	3783.20
	17-Feb-2014				55.97	3783.65
	7-Nov-2013				55.89	3783.73
	7-Aug-2013				55.81	3783.81
	7-May-2013				55.43	3784.19
	8-Feb-2013				55.10	3784.52
	29-Oct-2012				54.60	3785.02
2-Aug-2012	54.31	3785.31				
24-Apr-2012	53.61	3786.01				
30-Jan-2012	53.44	3786.18				
6-Dec-2011	53.24	3786.38				

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
DAD-22	20-Feb-2019	373029.62	1530352.69	3827.14	47.31	3779.83
	13-Nov-2018				47.30	3779.84
	7-Aug-2018				47.81	3779.33
	17-May-2018				47.77	3779.37
	6-Feb-2018				47.80	3779.34
	7-Nov-2017				48.11	3779.03
	9-Aug-2017				48.62	3778.52
	16-May-2017				48.57	3778.57
	7-Feb-2017				48.20	3778.94
	8-Nov-2016				48.30	3778.84
	16-Aug-2016				48.17	3778.97
	17-May-2016				47.91	3779.23
	10-Feb-2016				47.57	3779.57
	6-Nov-2015				47.64	3779.50
	6-Aug-2015				47.65	3779.49
	7-May-2015				47.54	3779.60
	6-Feb-2015				47.30	3779.84
	6-Nov-2014				47.14	3780.00
	12-Aug-2014				46.98	3780.16
	13-May-2014				46.56	3780.58
	17-Feb-2014				46.18	3780.96
	7-Nov-2013				45.73	3781.41
	7-Aug-2013				45.77	3781.37
	14-May-2013				44.09	3783.05
8-Feb-2013	44.08	3783.06				
29-Oct-2012	44.51	3782.63				
2-Aug-2012	44.23	3782.91				
25-Apr-2012	43.86	3783.28				
25-Jan-2012	43.22	3783.92				
13-Dec-2011	43.27	3783.87				
DAD-23	19-Feb-2019	413958.29	1515697.17	3855.46	43.75	3811.71
	12-Nov-2018				43.94	3811.52
	6-Aug-2018				44.18	3811.28
	17-May-2018				44.00	3811.46
	6-Feb-2018				43.24	3812.22
	6-Nov-2017				43.72	3811.74
	9-Aug-2017				44.55	3810.91
	16-May-2017				44.84	3810.62
	7-Feb-2017				44.32	3811.14
	8-Nov-2016				44.85	3810.61
	17-Aug-2016				45.38	3810.08
	17-May-2016				45.52	3809.94
	11-Feb-2016				45.37	3810.09

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing <sup>a</sup>	Easting <sup>a</sup>	Casing Elevation <sup>b</sup>	Depth to Water <sup>c</sup>	Ground Water Elevation <sup>b</sup>
DAD-24 Vertical Delineation	20-Feb-2019	400183.23	1522052.57	3864.91	64.52	3800.39
	13-Nov-2018				64.92	3799.99
	7-Aug-2018				66.86	3798.05
	14-May-2018				66.88	3798.03
	6-Feb-2018				64.40	3800.51
	7-Nov-2017				64.70	3800.21
	9-Aug-2017				64.75	3800.16
	16-May-2017				66.80	3798.11
	7-Feb-2017				66.04	3798.87
	8-Nov-2016				65.95	3798.96
	16-Aug-2016				65.60	3799.31
	17-May-2016				67.91	3797.00
	11-Feb-2016				67.85	3797.06
DAD-25	20-Feb-2019	394560.83	1524599.12	3870.63	67.65	3802.98
	13-Nov-2018				67.49	3803.14
	7-Aug-2018				67.20	3803.43
	14-May-2018				66.90	3803.73
	6-Feb-2018				66.49	3804.14
	7-Nov-2017				64.82	3805.81
	9-Aug-2017				65.00	3805.63
	16-May-2017				66.21	3804.42
	7-Feb-2017				65.72	3804.91
	8-Nov-2016				65.31	3805.32
	16-Aug-2016				64.84	3805.79
	17-May-2016				64.55	3806.08
	11-Feb-2016				64.11	3806.52
DAD-26	20-Feb-2019	372513.58	1530789.76	3829.31	50.12	3779.19
	13-Nov-2018				50.66	3778.65
	7-Aug-2018				50.75	3778.56
	17-May-2018				50.69	3778.62
	6-Feb-2018				50.35	3778.96
	6-Nov-2017				50.66	3778.65
	9-Aug-2017				51.10	3778.21
	16-May-2017				51.11	3778.20
	7-Feb-2017				50.70	3778.61
	8-Nov-2016				51.07	3778.24
	17-Aug-2016				50.97	3778.34
	17-May-2016				50.55	3778.76
	11-Feb-2016				50.30	3779.01

Notes:

<sup>a</sup> Horizontal control to NM State Plane Coordinates Central NAD83 Grid Coordinates (in feet)

<sup>b</sup> Vertical Control to NAVD88 Datum in feet above mean sea level

<sup>c</sup> Measured in feet below the top of casing at survey point on north side of well

<sup>d</sup> Measured in feet

Wells were gauged on a different date by Magee and Associates Inc.

Wells were gauged on a different date by EnviroCompliance Inc.

Groundwater elevation is anomalous.

Measured data were suspect and corrected to reflect appropriate trends in accordance with surrounding wells

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
<b>NORTHERN AREA</b>						
<b>Northern Land Application Area</b>						
70-03	26-Feb-2019	6.57	6,164	20.7	1.29	176
	15-Nov-2018	6.68	11,020	19.8	1.74	180
	15-Aug-2018	7.08	11,530	22.6	1.34	140
	21-May-2018	6.58	11,570	21.30	NM	110
	13-Feb-2018	7.11	11,890	20.30	2.12	147
	9-Nov-2017	6.71	11,700	18.90	3.07	135
	14-Aug-2017	7.09	12,340	21.70	4.50	37
	19-May-2017	6.91	11,880	20.76	2.61	226.7
	20-Feb-2017	7.54	10,832	20.68	3.78	181.6
	22-Nov-2016	7.12	11,539	20.12	3.93	95.5
	18-Aug-2016	6.92	11,818	21.34	2.26	29.4
	24-May-2016	6.95	10,486	20.41	2.90	46.2
	16-Feb-2016	6.50	9,366	19.76	3.00	253.4
	12-Nov-2015	7.16	9,359	20.21	1.32	206.1
19-Aug-2015	6.96	11,433	25.28	NM	209.7	
70/86/340-01	25-Feb-2019	7.17	5,654	20.3	2.07	143
	16-Nov-2018	6.97	6,977	19.7	2.94	165
	14-Aug-2018	7.16	7,121	22.2	3.17	125
	21-May-2018	6.66	7,060	21.40	3.51	109
	12-Feb-2018	7.21	7,190	18.80	4.19	129
	9-Nov-2017	6.93	6,928	18.50	3.12	121
	11-Aug-2017	7.25	7,974	25.00	3.57	143
	18-May-2017	6.94	7,521	20.20	2.12	183.5
	16-Feb-2017	7.27	6,420	20.36	6.36	226.7
	10-Nov-2016	7.17	7,573	20.99	3.88	133.6
	23-Aug-2016	6.90	7,584	20.69	1.24	34.1
	19-May-2016	7.09	6,422	20.36	2.88	78.0
	15-Feb-2016	6.07	6,451	18.64	3.83	223.4
	10-Nov-2015	7.21	6,827	18.52	1.91	174.5
20-Aug-2015	6.90	6,824	21.36	NM	277.1	

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
86/340-01	25-Feb-2019	6.68	2,769	18.8	2.63	153
	16-Nov-2018	7.13	2,828	18.9	2.35	161
	14-Aug-2018	7.01	2,692	22.2	2.74	162
	21-May-2018	7.16	2,782	20.10	2.29	79
	12-Feb-2018	7.54	2,829	19.30	2.54	128
	9-Nov-2017	7.64	2,929	18.20	2.23	86
	11-Aug-2017	7.59	3,064	21.60	4.01	173
	18-May-2017	7.36	3,341	20.17	4.31	235.5
	16-Feb-2017	7.50	3,143	20.23	11.17	344.6
	10-Nov-2016	7.39	3,080	19.78	1.81	158.2
	22-Aug-2016	7.31	3,150	20.35	1.84	29.6
	19-May-2016	7.41	2,925	20.15	1.97	71.4
	15-Feb-2016	5.16	2,992	19.24	1.84	237.2
	10-Nov-2015	7.55	2,951	17.52	1.74	153.4
20-Aug-2015	7.29	2,970	20.60	NM	267.0	
<b>Organ Dairy (Formerly known as Del Norte Dairy and Daybreak Dairy)</b>						
126-04	22-Feb-2019	7.19	3,631	21.6	1.79	154
	14-Nov-2018	6.80	3,841	20.6	2.61	136
	15-Aug-2018	7.44	3,602	22.1	2.35	78
	18-May-2018	6.91	3,685	21.10	2.88	68
	9-Feb-2018	7.56	3,808	21.60	3.11	136
	8-Nov-2017	7.29	3,959	21.30	3.54	214
	10-Aug-2017	7.20	3,730	24.20	5.93	179
	17-May-2017	7.08	3,613	21.33	3.82	147.9
	17-Feb-2017	7.18	3,864	20.85	4.48	203.1
	9-Nov-2016	7.46	3,697	21.17	5.25	60.9
	17-Aug-2016	7.42	3,893	24.18	5.51	25.0
	18-May-2016	7.04	3,371	21.24	3.27	76.2
	15-Feb-2016	5.37	3,470	21.39	3.54	201.4
	9-Nov-2015	7.11	3,558	21.29	2.40	38.5
17-Aug-2015	6.84	3,626	22.52	NM	277.8	

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
126-05	22-Feb-2019	7.41	5,677	20.5	1.51	150
	14-Nov-2018	7.05	5,925	19.9	1.29	140
	15-Aug-2018	7.78	5,495	22.3	1.44	108
	18-May-2018	7.04	5,785	21.20	1.17	107
	9-Feb-2018	7.38	5,767	21.70	1.12	60.0
	8-Nov-2017	7.69	5,571	21.00	1.27	154.0
	10-Aug-2017	7.36	5,397	25.50	3.91	156.0
	17-May-2017	7.43	5,384	22.69	3.03	162.5
	17-Feb-2017	7.42	5,274	19.48	5.78	218.3
	9-Nov-2016	7.66	4,974	21.23	2.52	40.0
	17-Aug-2016	7.56	4,761	23.55	2.86	-78.3
	18-May-2016	7.23	4,409	20.60	3.35	73.7
	15-Feb-2016	6.41	4,654	21.64	4.57	165.0
	9-Nov-2015	7.39	4,174	19.96	2.15	186.6
17-Aug-2015	Insufficient Water-Parameters Not Collected					
126-07	22-Feb-2019	7.00	4,271	21.1	1.54	161
	14-Nov-2018	6.66	4,422	21.0	2.24	140
	15-Aug-2018	7.01	4,333	21.2	1.94	136
	18-May-2018	7.68	4,250	21.90	2.19	121
	9-Feb-2018	6.80	4,114	22.50	2.37	177
	8-Nov-2017	6.78	4,094	21.70	2.21	194
	10-Aug-2017	6.93	4,018	24.40	3.92	173
	17-May-2017	6.85	3,862	22.43	2.35	167.8
	17-Feb-2017	6.96	3,918	22.40	1.49	157.1
	9-Nov-2016	7.23	3,603	21.93	3.89	57.7
	17-Aug-2016	7.03	3,798	23.70	2.42	41.1
	18-May-2016	6.71	3,439	22.08	1.75	94.3
	15-Feb-2016	4.87	3,440	21.28	1.41	208.1
	9-Nov-2015	6.84	3,338	21.02	1.84	185.7
17-Aug-2015	6.80	3,658	24.41	NM	234.8	



**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
126-09	22-Feb-2019	6.73	1,429	20.6	2.29	170
	14-Nov-2018	6.75	1,259	21.0	2.16	122
	15-Aug-2018	7.73	1,054	24.7	2.51	125
	18-May-2018	7.83	1,154	21.70	2.23	131
	9-Feb-2018	7.69	1,086	20.20	2.64	150
	8-Nov-2017	7.42	942.1	21.10	5.04	250
	10-Aug-2017	7.37	892.7	27.00	4.64	60
	17-May-2017	7.87	793	22.46	3.48	132.6
	20-Feb-2017	7.85	919	18.64	8.37	190.8
	9-Nov-2016	7.42	3,774	21.09	5.63	55.3
	17-Aug-2016	7.74	4,045	23.20	5.85	3.9
	18-May-2016	7.07	3,845	23.15	4.13	66.5
	15-Feb-2016	6.34	3,926	22.52	3.30	184.2
	9-Nov-2015	6.79	3,888	22.27	4.75	193.2
17-Aug-2015	Insufficient Water-Parameters Not Collected					
126-12	22-Feb-2019	7.33	3,316	19.6	1.17	115
	14-Nov-2018	7.01	3,512	19.5	1.33	125
	15-Aug-2018	7.18	3,732	20.8	1.06	140
	7-Jun-2018	6.89	3,624	20.8	1.21	102
	9-Feb-2018	7.69	3,716	20.6	1.09	89
	8-Nov-2017	7.59	3,920	20.3	-88	-170
	10-Aug-2017	7.20	4,125	22.4	2.96	141
	17-May-2017	6.94	3,377	19.54	2.71	167.8
	20-Feb-2017	7.40	3,494	20.01	5.76	206.0
	9-Nov-2016	7.43	3,321	19.66	4.18	67.2
	17-Aug-2016	7.29	3,696	22.16	2.40	22.8
	18-May-2016	7.12	3,103	19.36	2.26	77.4
	15-Feb-2016	6.30	3,291	21.09	1.88	175.2
	9-Nov-2015	7.24	3,276	19.76	2.37	-145.5
17-Aug-2015	7.21	1,843	20.97	NM	-177.9	

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
126-13	22-Feb-2019	6.62	4,711	20.7	1.29	173
	14-Nov-2018	6.58	5,374	20.8	1.40	146
	15-Aug-2018	7.06	5,136	22.9	1.17	135
	18-May-2018	7.40	5,144	21.20	1.49	60
	9-Feb-2018	7.00	4,810	21.20	1.78	136
	8-Nov-2017	6.96	4,568	21.00	1.13	148
	10-Aug-2017	6.97	4,505	23.30	4.90	128
	17-May-2017	6.99	4,253	21.21	1.87	185.8
	17-Feb-2017	7.06	4,611	20.98	4.72	128.5
	9-Nov-2016	7.31	4,361	21.40	3.84	41.8
	17-Aug-2016	7.24	4,447	21.89	2.13	34.0
	18-May-2016	6.86	4,132	20.69	3.01	73.5
	15-Feb-2016	6.38	4,392	21.01	2.18	220.8
	9-Nov-2015	6.96	4,208	21.49	4.32	114.8
17-Aug-2015	6.81	4,521	22.40	NM	167.3	
<b>Mountain View Dairy</b>						
70-01	26-Feb-2019	7.11	4,577	21.5	2.13	145
	15-Nov-2018	7.01	4,448	20.9	2.61	151
	15-Aug-2018	7.28	5,081	23.7	2.29	186
	21-May-2018	6.77	5,065	22.6	2.52	108
	13-Feb-2018	7.09	4,570	22.7	1.48	181
	9-Nov-2017	6.79	4,166	20.8	2.76	133
	14-Aug-2017	7.08	4,321	23.0	3.10	145
	19-May-2017	6.96	3,831	23.21	1.90	173.4
	20-Feb-2017	7.53	3,953	21.11	4.94	116.9
	22-Nov-2016	7.16	4,160	21.91	1.96	32.6
	19-Aug-2016	7.35	3,982	21.67	1.30	61.9
	24-May-2016	7.14	3,734	21.64	2.85	37.7
	16-Feb-2016	6.66	3,771	21.03	2.20	191.9
	12-Nov-2015	7.15	3,774	20.91	1.70	171.1
19-Aug-2015	7.08	3,830	22.50	NM	187.0	

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
70-02	26-Feb-2019	7.29	4,665	22.2	1.86	147
	14-Nov-2018	7.11	4,789	21.3	4.15	137
	15-Aug-2018	7.53	4,744	24.4	3.84	175
	21-May-2018	7.10	4,802	23.4	4.80	111
	13-Feb-2018	7.54	4,790	22.3	1.92	150
	9-Nov-2017	7.11	4,818	21.7	5.60	128
	14-Aug-2017	7.77	4,890	25.3	3.23	149
	19-May-2017	7.23	4,716	22.71	3.27	157.8
	20-Feb-2017	7.81	4,939	22.23	5.27	201.6
	22-Nov-2016	7.79	4,906	22.01	4.21	65.7
	18-Aug-2016	Insufficient Water-Parameters Not Collected				
	23-May-2016	7.49	4,846	24.22	2.01	40.2
	16-Feb-2016	6.90	4,816	22.31	2.57	192.5
	12-Nov-2015	7.64	4,737	21.94	NM	174.1
	19-Aug-2015	7.43	4,816	25.90	NM	179.5
70-04	26-Feb-2019	7.09	4,513	22.4	2.34	145
	14-Nov-2018	6.75	4,532	21.8	2.58	133
	15-Aug-2018	7.17	4,401	24.2	2.28	135
	21-May-2018	7.38	4,612	23.0	2.11	95
	13-Feb-2018	7.27	4,433	22.6	1.06	138
	9-Nov-2017	6.68	4,292	21.9	2.47	129
	14-Aug-2017	7.14	4,229	23.2	5.66	131
	19-May-2017	6.97	4,077	22.33	3.11	197.8
	20-Feb-2017	7.42	4,232	22.17	1.24	85.2
	22-Nov-2016	7.20	4,028	20.35	3.28	87.0
	18-Aug-2016	7.06	4,147	23.11	1.81	29.1
	23-May-2016	6.99	3,916	22.93	1.77	66.5
	16-Feb-2016	6.63	3,930	21.57	1.36	205.3
	12-Nov-2015	7.08	3,939	21.76	1.17	195.5
	19-Aug-2015	7.01	4,047	22.49	NM	183.3
<b>Buena Vista Dairy I</b>						
86-01	Jan-2011	Not Sampled Since January 2011				
86-02	Jan-2011	Not Sampled Since January 2011				

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
<b>Bright Star Dairy</b>						
340-01	25-Feb-2019	7.13	4,345	21.1	2.45	129
	15-Nov-2018	7.17	4,455	21.3	2.70	147
	14-Aug-2018	7.19	4,321	23.6	1.60	128
	21-May-2018	6.68	4,484	23.4	1.03	105
	12-Feb-2018	7.32	4,409	21.2	1.09	124
	8-Nov-2017	7.56	4,342	21.1	2.47	113
	11-Aug-2017	7.29	4,350	23.0	1.93	157.2
	18-May-2017	7.08	4,140	21.83	2.61	181.2
	16-Feb-2017	7.27	4,299	20.79	3.68	173.1
	10-Nov-2016	7.45	4,244	20.80	2.67	106.8
	23-Aug-2016	7.07	4,391	21.95	1.27	30.4
	18-May-2016	7.09	4,122	22.25	1.76	61.3
	11-Feb-2016	7.36	4,093	21.35	3.07	207.3
	9-Nov-2015	7.25	4,052	21.27	1.34	115.1
20-Aug-2015	7.26	3,382	22.21	NM	259.1	
340-02	25-Feb-2019	7.08	4,714	22.1	1.20	124
	15-Nov-2018	6.93	4,863	21.9	1.41	161
	14-Aug-2018	7.22	4,827	24.4	2.94	131
	21-May-2018	6.86	4,883	23.1	3.01	121
	12-Feb-2018	7.34	4,899	22.2	3.90	123
	8-Nov-2017	6.19	5,022	22.4	3.80	36
	11-Aug-2017	7.75	4,950	26.6	5.91	189
	18-May-2017	7.28	4,948	23.0	2.97	187.6
	16-Feb-2017	7.35	5,096	21.65	8.01	200.5
	10-Nov-2016	7.55	4,904	20.96	7.16	113.8
	23-Aug-2016	Insufficient Water-Parameters Not Collected				
	18-May-2016	Insufficient Water-Parameters Not Collected				
	11-Feb-2016	7.30	4,890	22.59	5.44	217.5
	9-Nov-2015	7.10	4,755	22.34	4.09	148.9
20-Aug-2015	Insufficient Water-Parameters Not Collected					

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
<b>Dominguez 2 (Former D&amp;J Dairy)</b>						
42-02*	6-Mar-2019	6.86	3,731	19.1	4.67	167
	4-Dec-2018	6.88	3,558	17.8	4.77	173
	22-Aug-2018	7.01	3,749	21.0	4.38	165
	29-May-2018	6.84	4,326	20.1	5.45	142
	21-Feb-2018	7.12	4,248	18.8	7.30	167
	1-Dec-2017	7.06	4,086	19.4	8.58	189
	22-Aug-2017	7.20	3,877	20.8	6.28	73
	2-Jun-2017	7.02	3,769	20.18	4.25	135.5
	6-Mar-2017	7.28	3,729	19.44	4.76	221.2
	28-Nov-2016	7.08	3,698	19.07	3.76	110.2
	31-Aug-2016	7.09	3,787	21.70	4.38	70.7
	1-Jun-2016	7.07	3,399	20.65	7.02	48.4
	23-Feb-2016	6.71	3,376	19.57	5.18	208.7
	1-Dec-2015	7.32	3,424	19.70	7.41	262.0
26-Aug-2015	7.03	3,432	21.70	NM	238.8	
42-03*	6-Mar-2019	7.22	4,511	24.9	5.54	151
	4-Dec-2018	6.90	5,211	23.3	5.39	180
	22-Aug-2018	7.01	5,352	27.1	5.81	88
	29-May-2018	6.64	5,528	25.7	6.21	120
	21-Feb-2018	7.12	5,486	22.6	6.37	147
	1-Dec-2017	7.11	5,502	24.6	7.28	147
	23-Aug-2017	7.14	5,500	26.0	4.27	127
	2-Jun-2017	7.01	5,809	25.36	5.21	118.7
	6-Mar-2017	7.25	5,975	24.20	3.73	202.6
	28-Nov-2016	6.59	5,902	24.49	7.23	116.1
	31-Aug-2016	6.98	5,556	26.70	6.74	55.4
	1-Jun-2016	6.92	5,322	24.17	4.78	65.8
	23-Feb-2016	6.73	5,403	22.87	4.17	204.4
	1-Dec-2015	7.21	4,736	20.46	5.68	149.8
26-Aug-2015	6.97	5,861	25.81	NM	236.5	

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
42-06*	6-Mar-2019	7.32	4,071	21.4	4.30	146
	4-Dec-2018	7.11	4,010	19.3	4.50	182
	22-Aug-2018	7.04	4,029	21.5	4.11	189
	29-May-2018	7.14	4,490	21.0	3.76	132
	21-Feb-2018	7.66	4,349	20.1	4.28	160
	1-Dec-2017	7.31	4,034	21.1	7.12	152
	22-Aug-2017	7.70	4,448	22.1	5.06	74
	2-Jun-2017	7.11	3,441	21.47	123.4	94.8
	6-Mar-2017	7.71	3,171	21.41	5.29	208.9
	28-Nov-2016	7.12	2,947	20.63	8.32	200.7
	31-Aug-2016	7.42	2,932	22.70	6.96	33.5
	1-Jun-2016	7.41	2,996	21.17	6.10	44.5
	23-Feb-2016	7.52	3,092	18.97	2.45	95.4
	1-Dec-2015	7.68	3,042	18.65	6.21	188.1
	26-Aug-2015	7.39	3,551	23.21	NM	232.7
42-07*	6-Mar-2019	Dry				
	4-Dec-2018	Dry				
	22-Aug-2018	Dry				
	29-May-2018	Dry				
	21-Feb-2018	Dry				
	1-Dec-2017	Dry				
	22-Aug-2017	Dry				
	2-Jun-2017	Dry				
	6-Mar-2017	Dry				
	28-Nov-2016	Dry				
	31-Aug-2016	Dry				
	1-Jun-2016	Dry				
	23-Feb-2016	Dry				
	1-Dec-2015	Dry				
	26-Aug-2015	Dry				

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)	
42-08*	6-Mar-2019	7.54	1,944	20.5	3.81	147	
	4-Dec-2018	7.36	1,881	19.9	4.08	155	
	22-Aug-2018	7.65	2,490	21.5	3.94	198	
	29-May-2018	7.32	1,857	21.3	3.70	131	
	21-Feb-2018	7.90	1,962	20.3	3.91	150	
	1-Dec-2017	7.98	2,082	21.0	3.83	162	
	22-Aug-2017	7.61	2,410	21.6	3.91	89	
	2-Jun-2017	7.55	1,691	21.45	4.36	93.6	
	6-Mar-2017	7.85	1,626	20.48	2.72	195.1	
	28-Nov-2016	7.94	1,684	18.10	6.11	47.50	
	31-Aug-2016	Dry					
	1-Jun-2016	Dry					
	23-Feb-2016	Dry					
	1-Dec-2015	Dry					
	26-Aug-2015	7.74	2,245	22.68	NM	206.6	
42-09*	1-Dec-2015	Destroyed					
	26-Aug-2015	7.12	4,773	24.28	NM	245.8	
42-10*	6-Mar-2019	7.14	2,391	26.9	5.28	131	
	4-Dec-2018	6.82	2,304	22.9	5.63	190	
	22-Aug-2018	7.29	2,294	27.9	6.23	151	
	30-May-2018	6.65	2,308	27.0	7.30	157	
	19-Feb-2018	7.29	2,291	24.9	7.71	136	
	4-Dec-2017	7.52	2,250	24.7	7.84	171	
	23-Aug-2017	7.33	2,256	26.1	5.61	132	
	2-Jun-2017	7.18	2,381	27.3	5.36	119.4	
	6-Mar-2017	7.26	2,450	25.77	6.32	195.8	
	29-Nov-2016	6.96	2,473	24.61	11.24	113.6	
	1-Sep-2016	6.96	2,300	27.70	6.63	NM	
	1-Jun-2016	7.10	2,300	26.84	5.27	72.3	
	23-Feb-2016	7.38	2,072	18.76	3.27	201.8	
	1-Dec-2015	7.46	2,222	22.17	7.39	167.4	
25-Aug-2015	7.20	2,565	27.01	NM	220.5		

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
42-11*	6-Mar-2019	7.30	1,949	25.8	5.94	130
	4-Dec-2018	7.56	1,918	23.8	6.18	156
	22-Aug-2018	7.78	1,915	27.1	7.15	67
	30-May-2018	6.89	1,921	27.7	6.91	173
	19-Feb-2018	7.31	1,997	26.9	7.60	135
	4-Dec-2017	7.26	1,864	25.4	7.49	170
	23-Aug-2017	7.23	1,888	23.2	6.11	70
	2-Jun-2017	7.20	1,974	27.4	5.74	112.3
	3-Mar-2017	7.20	2,118	26.55	3.61	251.2
	29-Nov-2016	7.16	1,926	22.94	8.17	182.8
	1-Sep-2016	7.22	1,940	25.70	7.01	NM
	1-Jun-2016	7.29	1,868	24.19	6.63	46.6
	23-Feb-2016	7.37	1,732	17.26	6.38	182.1
	1-Dec-2015	7.49	1,892	24.59	5.89	140.5
25-Aug-2015	7.37	2,112	28.24	NM	172.7	
42-12*	6-Mar-2019	7.23	1,988	28.7	6.57	127
	4-Dec-2018	7.25	1,972	22.8	6.61	183
	22-Aug-2018	7.50	1,945	26.9	6.39	182
	30-May-2018	7.23	2,034	28.5	6.75	163
	19-Feb-2018	7.31	2,046	25.8	7.02	149
	4-Dec-2017	8.25	1,900	27.1	7.24	159
	23-Aug-2017	7.50	1,888	26.4	5.48	111
	2-Jun-2017	7.31	2,164	29.07	6.05	115.4
	6-Mar-2017	7.45	2,239	27.71	4.58	240.2
	29-Nov-2016	7.19	2,148	24.24	11.03	226.7
	1-Sep-2016	7.15	2,060	25.70	6.83	NM
	1-Jun-2016	7.24	2,039	27.54	5.66	78.6
	23-Feb-2016	7.13	1,980	23.55	7.13	212.0
	1-Dec-2015	7.73	1,893	22.11	7.43	149.0
25-Aug-2015	7.33	2,204	28.36	NM	201.8	



**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)	
42-13*	6-Mar-2019	7.32	4,217	20.0	4.43	156.0	
	4-Dec-2018	Dry/Water Level Below Pump					
	22-Aug-2018	7.27	5,419	25.2	5.38	10.0	
	29-May-2018	7.12	5,395	22.2	5.29	151	
	21-Feb-2018	7.47	5,452	21.1	5.65	156	
	1-Dec-2017	7.14	5,320	21.1	2.65	176	
	23-Aug-2017	Pump Not Operational					
	2-Jun-2017	Pump Not Operational					
	6-Mar-2017	7.71	5,085	20.57	5.42	286.3	
	28-Nov-2016	7.11	4,947	19.98	NM	163.7	
	31-Aug-2016	Pump Not Operational					
	1-Jun-2016	Pump Not Operational					
	23-Feb-2016	Dry/Water Level Below Pump					
	1-Dec-2015	Dry/Water Level Below Pump					
	26-Aug-2015	7.09	5,190	25.31	NM	221.7	
<b>Dominguez Dairy</b>							
624-01	28-Feb-2019	7.09	4,459	20.7	2.40	167	
	20-Nov-2018	7.20	3,459	21.3	2.74	116	
	29-Aug-2018	6.96	4,521	21.4	1.60	191	
	22-May-2018	6.68	5,126	20.2	2.11	132	
	14-Feb-2018	7.15	4,830	20.8	4.37	161	
	14-Nov-2017	6.90	4,923	19.9	5.64	59	
	15-Aug-2017	7.13	5,031	22.4	5.61	162	
	23-May-2017	6.78	4,965	21.07	2.76	169	
	22-Feb-2017	7.11	4,816	21.23	6.17	224.3	
	14-Nov-2016	7.27	4,854	20.71	4.96	158.3	
	19-Aug-2016	7.15	4,500	20.81	4.57	34.7	
	19-May-2016	6.92	4,002	21.11	5.50	86.6	
	16-Feb-2016	6.64	3,664	21.47	5.88	184.6	
	10-Nov-2015	7.20	4,741	20.20	3.83	181.7	
	7-Aug-2015	6.96	4,585	21.49	2.59	3.8	

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
624-02	28-Feb-2019	6.90	4,017	19.8	2.58	172
	20-Nov-2018	7.04	4,619	19.3	2.66	131
	28-Aug-2018	6.99	4,248	21.8	1.34	178
	22-May-2018	6.76	4,955	20.0	1.67	105
	14-Feb-2018	7.06	4,335	20.8	2.31	149
	14-Nov-2017	6.74	4,248	19.9	2.80	102
	15-Aug-2017	7.08	4,563	20.4	2.95	138
	23-May-2017	6.61	4,368	20.39	2.41	149.1
	22-Feb-2017	7.03	4,238	19.96	4.31	223.1
	14-Nov-2016	7.28	4,135	20.04	1.86	89.4
	19-Aug-2016	7.15	3,695	19.11	1.37	32.5
	19-May-2016	6.81	4,410	19.92	2.07	73.1
	16-Feb-2016	6.34	3,845	20.28	1.52	189.2
	10-Nov-2015	7.20	3,548	18.15	1.69	90.4
	7-Aug-2015	7.07	4,158	22.03	1.94	74.8
624-04	28-Feb-2019	Dry				
	20-Nov-2018	Dry				
	29-Aug-2018	Dry				
	22-May-2018	Dry				
	14-Feb-2018	Dry				
	14-Nov-2017	Dry				
	15-Aug-2017	Dry				
	23-May-2017	Dry				
	22-Feb-2017	Dry				
	14-Nov-2016	Dry				
	19-Aug-2016	Dry				
	19-May-2016	Dry				
	16-Feb-2016	Dry				
	10-Nov-2015	Dry				
	7-Aug-2015	Dry				

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
624-05	28-Feb-2019	7.80	2,931	18.5	3.45	158
	20-Nov-2018			Dry		
	29-Aug-2018			Dry		
	22-May-2018			Dry		
	14-Feb-2018			Dry		
	14-Nov-2017			Dry		
	15-Aug-2017			Dry		
	23-May-2017			Dry		
	22-Feb-2017			Dry		
	14-Nov-2016			Dry		
	19-Aug-2016			Dry		
	19-May-2016			Dry		
	16-Feb-2016			Dry		
	10-Nov-2015			Dry		
	7-Aug-2015			Dry		
624-06	28-Feb-2019			Dry		
	20-Nov-2018			Dry		
	29-Aug-2018			Dry		
	22-May-2018			Dry		
	14-Feb-2018			Dry		
	14-Nov-2017			Dry		
	15-Aug-2017			Dry		
	23-May-2017			Dry		
	22-Feb-2017			Dry		
	14-Nov-2016			Dry		
	19-Aug-2016			Dry		
	19-May-2016			Dry		
	16-Feb-2016			Dry		
	10-Nov-2015			Dry		
	7-Aug-2015			Dry		

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
624-07	28-Feb-2019					Dry
	20-Nov-2018					Dry
	29-Aug-2018					Dry
	22-May-2018					Dry
	14-Feb-2018					Dry
	14-Nov-2017					Dry
	15-Aug-2017					Insufficient Water-Parameters Not Collected
	23-May-2017					Insufficient Water-Parameters Not Collected
	22-Feb-2017					Insufficient Water-Parameters Not Collected
	14-Nov-2016					Insufficient Water-Parameters Not Collected
	19-Aug-2016					Insufficient Water-Parameters Not Collected
	19-May-2016					Insufficient Water-Parameters Not Collected
	16-Feb-2016					Dry
	10-Nov-2015					Insufficient Water-Parameters Not Collected
7-Aug-2015					Insufficient Water-Parameters Not Collected	
624-08	28-Feb-2019					Dry
	20-Nov-2018					Dry
	29-Aug-2018					Dry
	22-May-2018					Dry
	14-Feb-2018					Dry
	14-Nov-2017					Dry
	15-Aug-2017					Dry
	23-May-2017					Dry
	22-Feb-2017					Dry
	14-Nov-2016					Dry
	19-Aug-2016					Dry
	19-May-2016					Dry
	16-Feb-2016					Dry
	10-Nov-2015					Dry
7-Aug-2015					Dry	

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
<b>Gonzalez Dairy</b>						
177-01	27-Feb-2019	7.09	6,752	19.7	2.52	154
	15-Nov-2018	7.02	6,711	20.9	2.29	168
	21-Aug-2018	7.28	6,633	21.7	2.11	158
	22-May-2018	6.83	6,675	19.4	1.87	124
	14-Feb-2018	7.33	6,700	20.7	2.19	146
	10-Nov-2017	6.88	6,663	21.1	1.23	108
	14-Aug-2017	7.21	6,694	21.3	4.55	91
	22-May-2017	6.73	5,875	19.44	1.96	180.2
	22-Feb-2017	7.26	6,219	20.08	3.20	127.7
	10-Nov-2016	7.40	6,333	20.48	1.88	137.7
	23-Aug-2016	7.08	6,380	20.41	0.91	34.7
	20-May-2016	7.15	5,537	19.13	2.48	69.6
	11-Feb-2016	7.33	5,715	19.50	2.90	264.0
	11-Nov-2015	7.32	5,790	20.81	1.56	188.9
21-Aug-2015	7.05	6,118	20.90	NM	242.7	
177-02	27-Feb-2019	7.63	2,151	19.6	2.22	125
	15-Nov-2018	7.22	2,221	21.2	1.93	144
	21-Aug-2018	7.56	2,966	22.6	2.29	150
	22-May-2018	7.29	2,271	21.8	2.66	115
	14-Feb-2018	7.58	2,460	20.6	3.14	146
	10-Nov-2017	7.49	2,502	21.6	5.05	80
	14-Aug-2017	7.34	4,958	22.3	5.82	135
	22-May-2017	6.94	4,402	19.77	3.23	153.1
	22-Feb-2017	7.35	4,425	20.32	6.18	220.9
	10-Nov-2016	7.50	4,378	21.41	2.38	122.6
	23-Aug-2016	7.16	4,406	21.91	3.99	33.8
	20-May-2016	7.21	3,605	19.22	6.30	86.5
	11-Feb-2016	7.40	4,032	19.78	5.57	227.6
	11-Nov-2015	7.36	3,964	21.15	3.82	109.3
21-Aug-2015	7.11	4,229	21.80	NM	254.6	

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
177-03A	27-Feb-2019	6.86	3,989	21.9	2.13	153
	20-Nov-2018	6.91	4,114	22.5	2.75	130
	21-Aug-2018	7.60	2,728	26.0	1.64	186
	22-May-2018	6.66	3,879	23.6	1.74	105
	15-Feb-2018	7.17	2,854	23.5	1.91	148
	10-Nov-2017	7.07	2,853	21.3	3.35	91
	15-Aug-2017	7.32	3,534	22.7	4.16	106
	22-May-2017	6.86	3,511	21.94	2.90	151.3
	23-Feb-2017	7.27	3,927	21.19	5.41	172.5
	11-Nov-2016	7.39	3,899	21.50	4.63	125.1
	24-Aug-2016	6.95	5,686	21.47	1.31	26.0
	20-May-2016	7.21	3,127	21.65	3.55	74.0
	11-Feb-2016	7.14	6,048	21.69	3.47	277.7
	11-Nov-2015	7.27	3,964	20.69	1.89	218.1
	21-Aug-2015	7.08	3,100	22.50	NM	227.6
177-04	27-Feb-2019	6.98	5,164	22.2	2.61	154
	20-Nov-2018	6.99	5,291	19.9	2.09	130
	21-Aug-2018	7.58	5,135	23.8	1.88	166
	22-May-2018	7.01	5,439	23.0	1.48	127
	15-Feb-2018	7.35	5,528	21.3	1.65	150
	10-Nov-2017	7.10	5,622	21.2	2.19	69
	16-Aug-2017	7.11	5,919	21.6	4.68	162
	22-May-2017	6.69	5,762	21.69	2.82	162.5
	23-Feb-2017	7.24	5,668	20.82	2.29	183.4
	10-Nov-2016	7.40	6,333	20.48	1.88	137.7
	24-Aug-2016	7.02	6,238	21.68	1.02	31.1
	23-May-2016	7.21	5,536	21.48	4.08	62.3
	11-Feb-2016	7.13	6,020	21.01	3.80	210.9
	11-Nov-2015	7.39	5,889	26.93	1.61	227.1
	21-Aug-2015	6.96	6,091	21.70	NM	226.8

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
177-05	27-Feb-2019	7.07	6,088	21.6	2.09	164
	20-Nov-2018	6.96	6,217	21.4	2.50	133
	21-Aug-2018	7.51	6,361	24.2	2.17	157
	22-May-2018	7.01	6,496	22.0	1.88	116
	15-Feb-2018	7.23	6,687	21.5	3.17	139
	10-Nov-2017	6.89	6,601	21.5	3.01	110
	15-Aug-2017	7.12	6,859	21.9	5.42	143
	22-May-2017	6.70	6,302	21.06	2.27	161.5
	23-Feb-2017	7.44	5,640	21.14	4.19	208.8
	11-Nov-2016	7.24	5,833	21.20	3.99	109.0
	24-Aug-2016	7.02	5,759	20.89	2.90	35.1
	20-May-2016	7.09	5,411	20.88	3.46	98.7
	11-Feb-2016	7.27	4,910	20.54	3.48	202.9
	11-Nov-2015	7.45	5,241	18.92	3.84	151.4
	21-Aug-2015	7.17	5,662	21.50	NM	219.1
177-06	27-Feb-2019	Dry				
	20-Nov-2018	Dry				
	21-Aug-2018	Dry				
	22-May-2018	Dry				
	15-Feb-2018	Dry				
	10-Nov-2017	Dry				
	14-Aug-2017	Dry				
	22-May-2017	Dry				
	23-Feb-2017	Dry				
	11-Nov-2016	Dry				
	24-Aug-2016	Dry				
	23-May-2016	Dry				
	11-Feb-2016	Dry				
	11-Nov-2015	Dry				
	21-Aug-2015	Dry				

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
177-07R	27-Feb-2019	7.24	4,760	21.6	1.66	150
	20-Nov-2018	7.03	4,938	20.5	1.86	128
	21-Aug-2018	7.39	5,116	23.2	1.34	152
	22-May-2018	6.64	5,311	21.7	1.54	125
	14-Feb-2018	7.19	5,452	22.3	1.86	153
	10-Nov-2017	6.87	5,582	21.6	2.94	125
	14-Aug-2017	7.33	5,720	22.5	4.20	180
	22-May-2017	6.95	5,436	21.25	3.76	153.4
	23-Feb-2017	7.59	5,310	20.16	5.08	209.2
	11-Nov-2016	7.58	5,319	20.93	6.56	157.2
	23-Aug-2016	7.24	5,416	21.69	2.41	33.9
	23-May-2016	7.21	5,036	21.90	2.41	62.8
	11-Feb-2016	7.34	5,032	20.87	3.30	236.8
	11-Nov-2015	7.32	5,017	20.61	3.47	201.4
21-Aug-2015	7.07	5,710	23.11	NM	250.2	
<b>CENTRAL AREA</b>						
<b>Buena Vista Dairy II</b>						
74-01	28-Feb-2019	7.36	4,943	22.2	1.34	162
	16-Nov-2018	7.15	6,129	21.4	1.11	172
	29-Aug-2018	7.21	5,860	22.3	1.49	197
	23-May-2018	6.97	4,912	22.9	1.66	138
	19-Feb-2018	7.59	5,408	21.4	2.10	154
	14-Nov-2017	7.05	5,148	21.9	2.31	135
	16-Aug-2017	7.46	5,622	22.6	2.91	182
	26-May-2017	6.76	4,253	21.77	2.40	144.9
	24-Feb-2017	7.46	4,517	20.58	1.94	187.8
	14-Nov-2016	7.48	5,369	21.87	1.43	141.5
	24-Aug-2016	7.22	5,633	21.78	1.92	30.9
	25-May-2016	7.20	4,355	21.89	2.02	106.5
	18-Feb-2016	7.28	4,147	21.21	1.64	365.1
	12-Nov-2015	7.26	3,836	20.15	1.06	210.6
24-Aug-2015	7.37	4,959	22.17	NM	243.2	



**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
74-02	28-Feb-2019	7.36	3,730	20.9	1.81	158
	15-Nov-2018	7.19	3,611	22.5	2.13	167
	23-Aug-2018	7.80	3,478	22.9	1.98	118
	23-May-2018	6.97	3,709	21.2	3.17	129
	15-Feb-2018	7.66	3,569	20.6	3.62	136
	14-Nov-2017	6.97	3,517	22.4	2.27	132
	15-Aug-2017	7.32	3,427	22.3	5.21	122
	25-May-2017	6.85	3,630	21.72	3.06	133.3
	24-Feb-2017	7.43	3,688	20.88	6.47	216.4
	14-Nov-2016	7.54	3,788	22.07	3.76	92.6
	24-Aug-2016	7.10	3,884	21.90	1.83	30.9
	25-May-2016	7.20	3,408	20.47	2.39	92.2
	18-Feb-2016	7.60	3,995	21.01	3.82	398.5
	11-Nov-2015	7.32	3,315	21.76	0.90	194.9
	24-Aug-2015	7.22	3,377	21.48	NM	252.2
74-03	28-Feb-2019	7.54	2,309	21.4	2.31	148
	15-Nov-2018	7.40	2,636	23.2	2.66	150
	23-Aug-2018	7.35	2,883	23.4	3.11	129
	23-May-2018	7.61	3,186	21.4	3.84	136
	15-Feb-2018	7.61	3,316	20.9	4.13	141
	14-Nov-2017	7.48	3,464	23.5	3.76	139
	15-Aug-2017	7.54	3,447	23.5	3.91	148
	25-May-2017	6.84	3,826	21.27	1.92	142.5
	24-Feb-2017	7.59	3,770	20.67	4.64	134.8
	14-Nov-2016	7.60	3,886	23.01	2.64	96.4
	24-Aug-2016	7.19	4,189	22.91	1.02	27.2
	25-May-2016	7.21	3,828	20.39	3.47	100.9
	18-Feb-2016	7.38	4,067	20.10	2.79	597.0
	12-Nov-2015	7.36	4,868	20.28	1.11	233.4
	24-Aug-2015	7.24	5,541	22.39	NM	263.7

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
74-04	1-Mar-2019	6.84	3,426	20.7	1.51	166
	16-Nov-2018	7.02	3,437	21.8	1.55	146
	31-Aug-2018	7.11	3,329	22.5	1.83	265
	23-May-2018	6.84	3,068	22.8	2.27	125
	19-Feb-2018	7.53	3,139	20.4	2.05	129
	14-Nov-2017	7.37	3,128	22.1	3.54	142
	16-Aug-2017	7.32	3,229	23.5	4.24	130
	26-May-2017	6.96	2,980	22.2	2.76	144.7
	24-Feb-2017	7.46	2,973	19.48	2.60	224.5
	15-Nov-2016	7.62	3,099	21.20	3.28	85.0
	24-Aug-2016	6.82	3,243	21.16	2.50	103.4
	25-May-2016	7.09	3,131	22.67	2.22	114.3
	18-Feb-2016	7.35	2,978	21.11	2.85	328.1
	12-Nov-2015	7.32	2,868	17.58	3.06	197.2
	24-Aug-2015	7.41	3,134	22.42	NM	182.8
74-05	1-Mar-2019	6.97	3,331	21.5	1.79	154
	16-Nov-2018	7.06	3,373	22.0	2.28	144
	29-Aug-2018	6.96	3,353	22.8	2.91	184
	23-May-2018	6.83	3,380	22.2	2.54	129
	19-Feb-2018	7.25	3,337	21.3	1.46	137
	14-Nov-2017	7.09	3,151	21.9	0.94	111
	16-Aug-2017	7.34	3,211	22.6	3.36	146
	26-May-2017	7.02	3,214	22.09	3.70	154.2
	24-Feb-2017	7.39	3,122	19.58	3.26	155.2
	15-Nov-2016	7.30	3,141	21.77	1.07	97.4
	25-Aug-2016	6.82	3,197	21.52	1.76	48.2
	25-May-2016	7.12	2,946	22.09	2.01	97.3
	18-Feb-2016	7.18	2,933	20.38	2.33	302.7
	12-Nov-2015	7.20	2,923	20.12	1.23	214.2
	24-Aug-2015	7.11	3,179	24.11	NM	240.7

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
<b>Big Sky Dairy</b>						
833-01	5-Aug-2017	Plugged and Abandoned				
	31-May-2017	Dry				
	1-Mar-2017	Dry				
	17-Nov-2016	Dry				
	29-Aug-2016	Dry				
	27-May-2016	Dry				
	22-Feb-2016	Dry				
	18-Nov-2015	Dry				
	27-Aug-2015	Dry				
833-02	4-Mar-2019	7.11	4,796	18.7	2.11	154
	26-Nov-2018	7.23	6,466	19.8	2.36	143
	31-Aug-2018	7.34	6,321	20.4	2.61	178
	29-May-2018	6.98	6,471	19.7	2.11	144
	21-Feb-2018	7.66	6,511	20.9	3.36	164
	16-Nov-2017	7.30	6,625	20.4	3.63	155
	1-Sep-2017	7.71	5,105	19.5	4.67	190
	30-May-2017	7.09	6,119	19.8	2.53	178.4
	28-Feb-2017	7.24	6,231	20.29	2.08	178.6
	18-Nov-2016	7.48	6,309	20.07	4.65	62.0
	29-Aug-2016	7.12	6,158	23.70	2.06	73.6
	31-May-2016	7.37	6,169	20.14	5.43	39.3
	22-Feb-2016	7.18	3,622	19.53	3.76	232.3
	18-Nov-2015	7.58	5,996	19.69	2.45	210.1
27-Aug-2015	8.17	3,718	24.36	NM	176.1	

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
833-03	5-Aug-2017	Plugged and Abandoned				
	1-Sep-2017	Dry				
	30-May-2017	Dry				
	1-Mar-2017	Dry				
	17-Nov-2016	Dry				
	29-Aug-2016	Dry				
	27-May-2016	Dry				
	18-Feb-2016	Dry				
	18-Nov-2015	Dry				
	27-Aug-2015	Dry				
833-04	4-Mar-2019	7.31	3,873	20.7	1.34	137
	26-Nov-2018	7.40	5,024	20.7	1.74	134
	4-Sep-2018	7.22	4,860	21.5	1.75	104
	24-May-2018	7.05	4,739	21.1	1.96	112
	20-Feb-2018	7.71	3,795	20.5	3.84	152
	20-Nov-2017	7.41	4,752	20.6	3.08	125
	8-Sep-2017	7.30	4,281	22.0	4.18	158
	31-Aug-2017	7.27	4,487	20.8	2.40	209
	30-May-2017	7.09	4,351	20.84	3.24	236.1
	1-Mar-2017	7.46	4,517	20.52	1.41	244.1
	17-Nov-2016	7.33	4,861	21.10	5.71	137.9
	29-Aug-2016	7.20	4,658	23.70	1.21	50.5
	27-May-2016	7.38	3,299	20.54	4.18	60.3
	22-Feb-2016	7.27	3,279	19.95	3.49	256.5
	19-Nov-2015	7.69	3,169	19.07	4.15	218.6
27-Aug-2015	7.52	3,656	22.15	NM	190.9	
833-05	5-Mar-2019	6.54	3,394	22.2	NM	159
	26-Nov-2018	6.85	5,411	22.8	1.88	128
	31-Aug-2018	6.79	5,389	23.6	2.68	144
	24-May-2018	6.54	5,271	23.0	2.34	138
	22-Feb-2018	7.39	5,475	22.1	2.81	155
	17-Nov-2017	6.73	5,481	22.1	3.01	97
	31-Aug-2017	6.70	5,659	22.9	2.56	220
	31-May-2017	6.92	5,273	22.69	2.94	199.6
	1-Mar-2017	7.30	5,302	21.26	1.64	249.9
	17-Nov-2016	7.03	5,663	23.59	3.85	128.7
	29-Aug-2016	6.78	5,179	25.10	1.34	4.86
	26-May-2016	6.96	4,643	23.52	3.41	58.9
	19-Feb-2016	7.41	4,745	22.59	3.27	208.8
	18-Nov-2015	6.98	4,260	23.40	3.44	190.2
27-Aug-2015	6.93	3,979	23.52	NM	232.1	

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
833-06	5-Mar-2019	7.17	2,935	20.3	NM	142
	27-Nov-2018	6.86	4,141	20.0	2.39	164
	4-Sep-2018	7.08	3,542	22.0	1.24	137
	29-May-2018	6.81	3,582	22.2	2.59	102
	22-Feb-2018	7.11	3,935	20.8	3.51	164
	16-Nov-2017	6.82	4,046	22.0	4.39	147
	1-Sep-2017	6.85	4,170	21.0	3.54	160
	31-May-2017	6.84	3,880	21.9	2.31	152.3
	1-Mar-2017	7.38	4,105	21.31	1.36	242.1
	17-Nov-2016	7.29	4,150	21.72	6.35	142.4
	26-Aug-2016	6.65	3,851	21.95	1.87	36.3
	27-May-2016	7.07	3,388	20.75	5.74	66.4
	22-Feb-2016	7.75	3,246	20.21	5.36	263.2
	19-Nov-2015	7.32	3,564	19.59	5.36	221.7
	27-Aug-2015	7.26	3,677	23.01	NM	199.7
833-07	4-Mar-2019	7.04	4,127	20.8	2.09	139
	26-Nov-2018	7.22	5,491	20.5	2.09	133
	31-Aug-2018	7.01	5,586	22.3	1.94	174
	24-May-2018	6.71	5,580	21.7	2.21	140
	22-Feb-2018	7.12	5,608	21.8	2.71	160
	17-Nov-2017	6.88	5,652	21.5	2.17	111
	31-Aug-2017	7.02	5,894	22.3	1.81	240
	30-May-2017	6.86	5,704	21.79	2.25	146.8
	1-Mar-2017	7.44	5,908	21.42	1.69	255.8
	17-Nov-2016	7.21	6,202	22.30	3.52	168.1
	29-Aug-2016	7.02	6,312	25.10	1.87	62.2
	27-May-2016	7.03	6,250	22.08	2.19	57.1
	18-Feb-2016	6.68	6,525	24.07	2.30	266.4
	18-Nov-2015	7.01	5,810	21.86	2.02	222.2
	27-Aug-2015	7.07	6,630	22.51	NM	232.2

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
833-08	5-Mar-2019	6.98	3,190	20.6	NM	148
	27-Nov-2018	6.89	4,561	20.6	2.71	167
	4-Sep-2018	7.10	4,366	22.7	1.07	140
	24-May-2018	6.54	4,524	23.2	3.17	100
	22-Feb-2018	7.44	4,723	22.2	3.88	148
	17-Nov-2017	7.28	4,892	22.2	4.12	121
	1-Sep-2017	7.02	5,284	21.8	3.03	127
	31-May-2017	6.83	4,910	22.6	2.02	163.4
	1-Mar-2017	7.27	4,896	21.37	2.69	228.6
	17-Nov-2016	7.02	5,660	22.79	6.85	139.1
	29-Aug-2016	7.05	4,300	25.90	2.08	55.3
	27-May-2016	7.02	3,480	22.11	5.99	61.6
	19-Feb-2016	6.79	3,422	22.54	3.67	225.3
	18-Nov-2015	7.17	3,067	20.30	5.05	158.7
	27-Aug-2015	7.13	3,599	22.17	NM	222.4
833-09	4-Mar-2019	7.40	4,259	19.5	2.29	140
	26-Nov-2018	7.02	4,839	20.4	2.61	135
	4-Sep-2018	7.02	4,801	21.0	1.66	182
	24-May-2018	6.85	4,846	21.2	2.58	157
	21-Feb-2018	7.41	4,896	21.8	2.26	151
	16-Nov-2017	7.23	4,685	20.6	2.86	158
	31-Aug-2017	7.11	4,997	20.5	1.43	161
	30-May-2017	7.00	4,859	21.06	2.84	141.2
	28-Feb-2017	7.40	5,026	20.37	1.48	172.5
	17-Nov-2016	7.35	5,118	21.06	2.53	121.1
	26-Aug-2016	7.00	5,060	24.20	1.37	41.1
	26-May-2016	7.26	4,718	20.61	1.70	41.6
	19-Feb-2016	8.02	5,601	19.84	1.83	219.5
	18-Nov-2015	7.26	5,356	20.04	1.91	217.2
	27-Aug-2015	7.39	5,341	22.71	NM	214.8

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
833-10	4-Mar-2019	7.03	3,406	17.9	2.40	127
	26-Nov-2018	6.92	3,903	18.1	2.24	148
	31-Aug-2018	7.30	3,841	19.1	2.55	169
	24-May-2018	7.41	3,927	19.3	2.89	123
	22-Feb-2018	7.57	3,878	18.6	2.77	150
	16-Nov-2017	7.04	3,899	18.5	3.27	156
	31-Aug-2017	6.98	3,992	19.7	2.36	212
	30-May-2017	6.72	3,623	19.07	1.81	182.8
	1-Mar-2017	7.40	3,988	18.19	1.47	248.6
	17-Nov-2016	7.15	3,764	18.50	0.62	129.9
	26-Aug-2016	7.00	3,856	20.10	1.77	55.6
	26-May-2016	7.16	3,609	19.39	2.94	46.7
	19-Feb-2016	7.93	3,617	19.11	2.71	220.8
	18-Nov-2015	7.21	3,600	19.11	2.08	210.6
27-Aug-2015	7.14	3,861	19.66	NM	231.7	
<b>Sunset/Desert Land Dairy</b>						
257-01	1-Mar-2019	7.27	4,790	19.7	1.17	181
	27-Nov-2018	7.52	5,784	20.2	1.76	168
	23-Aug-2018	7.58	5,739	21.2	2.25	146
	23-May-2018	7.14	5,797	19.0	2.36	101
	20-Feb-2018	7.56	5,809	19.9	2.84	146
	16-Nov-2017	7.37	5,800	20.3	2.59	156
	18-Aug-2017	7.58	5,774	20.2	3.49	176
	31-May-2017	6.65	5,255	19.9	1.74	121.4
	2-Mar-2017	7.62	5,357	19.24	1.46	183.3
	16-Nov-2016	7.76	5,484	20.63	2.10	36.7
	25-Aug-2016	7.08	5,297	20.04	3.23	26.1
	26-May-2016	7.42	4,809	18.91	3.47	17.2
	22-Feb-2016	7.46	4,942	19.56	2.51	171.8
	19-Nov-2015	7.48	4,943	20.16	2.27	184.9
28-Aug-2015	7.47	5,032	21.14	NM	189.4	

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)	
257-02	1-Mar-2019	6.99	3,707	19.0	2.11	169	
	27-Nov-2018	7.37	4,017	20.3	2.46	155	
	23-Aug-2018	7.29	3,996	21.3	2.46	123	
	23-May-2018	6.99	3,969	18.8	2.91	122	
	20-Feb-2018	7.48	3,943	18.8	4.23	155	
	16-Nov-2017	7.20	3,991	20.9	3.29	117	
	18-Aug-2017	7.36	4,326	20.9	4.86	150	
	31-May-2017	6.65	3,585	19.37	1.87	151.5	
	2-Mar-2017	7.72	3,828	18.45	1.67	231.1	
	16-Nov-2016	7.74	4,378	21.28	4.37	85.1	
	25-Aug-2016	6.94	3,244	21.03	5.64	42.9	
	26-May-2016	7.24	3,183	18.32	3.78	84.3	
	22-Feb-2016	7.75	2,582	20.01	3.44	142.7	
	19-Nov-2015	7.41	4,064	21.09	3.38	204.7	
28-Aug-2015	7.27	3,912	21.30	NM	243.8		
257-03	1-Mar-2019	7.17	4,021	18.9	2.28	153	
	27-Nov-2018	7.13	3,954	19.7	2.08	160	
	23-Aug-2018	7.14	4,200	22.2	1.89	158	
	23-May-2018	7.72	3,323	20.1	2.08	64	
	20-Feb-2018	7.18	3,755	17.0	1.89	131	
	16-Nov-2017	7.14	3,182	20.2	3.11	141	
	18-Aug-2017	7.09	3,943	20.6	2.61	247	
	31-May-2017	6.48	3,569	20.51	1.68	130	
	2-Mar-2017	7.28	3,164	16.57	1.98	251.7	
	16-Nov-2016	7.42	2,952	21.12	3.66	90.8	
	25-Aug-2016	6.81	2,786	22.39	1.03	27.2	
	26-May-2016	Dry					
	22-Feb-2016	Insufficient Water-Parameters Not Collected					
	19-Nov-2015	Dry					
28-Aug-2015	7.34	3,520	24.08	NM	241.6		
257/260-01	20-Feb-2018	Plugged and Abandoned					
	16-Nov-2017	Could Not Access					
	18-Aug-2017	7.55	4,786	20.60	3.03	-217.0	
	31-May-2017	10.01	3,974	20.41	3.65	-194.9	
	2-Mar-2017	7.97	3,961	18.11	-0.10	-282.3	
	16-Nov-2016	8.95	3,111	20.01	4.10	-172.7	
	9-Sep-2016	7.36	2,580	23.10	1.78	NM	
	26-May-2016	7.70	3,141	17.96	0.81	-180.0	
	22-Feb-2016	7.61	3,755	18.22	0.00	-312.4	
	19-Nov-2015	7.90	3,217	19.97	0.98	-97.6	
28-Aug-2015	7.66	1,840	21.64	NM	194.4		



**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
<b>SOUTHERN AREA</b>						
<b>Del Oro Dairy</b>						
692-01	24-Feb-2016	Plugged and Abandoned				
	2-Dec-2015	6.95	3,550	20.70	1.43	157.5
	31-Aug-2015	Pump Not Operational-Parameters Not Collected				
692-02	7-Mar-2019	6.72	2,692	21.8	2.70	141
	27-Nov-2018	6.60	3,697	21.8	3.11	173
	23-Aug-2018	6.70	3,937	22.8	3.76	125
	30-May-2018	6.29	4,040	21.8	4.28	134
	23-Feb-2018	7.06	4,371	21.7	5.17	160
	30-Nov-2017	6.84	3,882	20.4	6.88	169
	23-Aug-2017	6.83	3,617	22.9	3.10	154
	5-Jun-2017	6.70	2,612	22.06	3.72	179.9
	2-Mar-2017	7.00	3,418	21.09	2.04	233.5
	30-Nov-2016	6.43	4,957	22.45	0.50	151.1
	6-Sep-2016	6.99	4,980	22.50	2.97	NM
	31-May-2016	6.79	4,861	21.60	1.77	53.2
	24-Feb-2016	6.49	4,818	20.64	1.46	335.4
	2-Dec-2015	6.90	4,801	20.76	1.61	163.4
31-Aug-2015	6.72	5,119	22.51	NM	198.1	
692-04	7-Mar-2019	Dry				
	27-Nov-2018	Dry				
	23-Aug-2018	Dry				
	30-May-2018	Dry				
	23-Feb-2018	Dry				
	30-Nov-2017	Dry				
	23-Aug-2017	Dry				
	5-Jun-2017	Dry				
	2-Mar-2017	Dry				
	30-Nov-2016	Dry				
	2-Sep-2016	Dry				
	31-May-2016	Dry				
	24-Feb-2016	Dry				
	2-Dec-2015	Dry				
31-Aug-2015	Dry					

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
692-05*	14-Mar-2019	6.96	1,787	21.6	4.11	191
	4-Dec-2018	Pump Not Operational-Parameters Not Collected				
	23-Aug-2018	6.97	2,430	24.3	4.11	166
	30-May-2018	Pump Not Operational-Parameters Not Collected				
	23-Feb-2018	Pump Not Operational-Parameters Not Collected				
	30-Nov-2017	7.64	2,457	21.1	5.99	164
	22-Aug-2017	7.40	2,429	23.8	6.00	88
	5-Jun-2017	7.19	2,341	22.41	5.29	187.3
	3-Mar-2017	7.67	2,309	20.53	2.48	202.4
	29-Nov-2016	7.53	2,265	20.70	7.88	104.4
	2-Sep-2016	7.22	2,510	23.20	7.09	NM
	31-May-2016	7.54	2,216	21.44	5.74	63.6
	24-Feb-2016	7.01	2,199	20.55	6.20	196.9
	2-Dec-2015	7.58	2,127	18.67	13.45	242.9
	31-Aug-2015	7.92	2,713	31.25	NM	124.7
692-06	7-Mar-2019	6.90	2,260	22.0	4.10	115
	4-Dec-2018	7.07	1,734	18.1	3.81	130
	23-Aug-2018	6.74	2,294	22.4	4.61	202
	30-May-2018	6.64	2,305	23.2	5.11	69
	27-Feb-2018	7.60	2,297	22.6	3.62	113
	30-Nov-2017	7.30	2,319	20.7	4.01	185
	23-Aug-2017	7.17	2,351	22.6	4.27	139
	5-Jun-2017	7.09	2,258	22.45	3.74	123.8
	2-Mar-2017	7.30	2,295	21.69	2.82	251.2
	30-Nov-2016	6.86	2,297	22.49	6.12	242.1
	6-Sep-2016	7.72	2,410	22.00	5.24	NM
	31-May-2016	7.29	2,085	21.69	4.84	79.0
	24-Feb-2016	7.16	2,147	20.61	3.78	167.3
	1-Dec-2015	7.31	2,147	20.76	2.17	95.2
	31-Aug-2015	7.44	2,420	25.12	NM	119.7

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
692-07*	7-Mar-2019	7.00	2,553	20.6	4.39	111
	4-Dec-2018	7.13	2,585	20.0	4.68	115
	23-Aug-2018	7.38	2,563	24.3	6.23	90
	30-May-2018	7.33	2,602	23.2	7.04	35
	23-Feb-2018	7.67	2,623	20.8	7.26	79
	30-Nov-2017	7.56	2,594	20.3	7.11	116
	22-Aug-2017	7.22	2,586	25.3	5.23	89.0
	5-Jun-2017	7.16	2,549	23.27	5.40	226.4
	3-Mar-2017	7.63	2,496	20.38	3.78	259.5
	29-Nov-2016	7.11	2,504	20.48	8.19	87.6
	2-Sep-2016	7.40	2,680	24.80	7.04	NM
	31-May-2016	7.53	2,440	22.55	3.71	42.5
	24-Feb-2016	7.18	2,390	20.66	7.90	165.7
	2-Dec-2015	7.68	2,189	17.55	7.20	245.8
	31-Aug-2015	7.37	2,667	25.70	NM	132.9
692-08*	7-Mar-2019	6.83	2,194	20.4	5.61	159
	4-Dec-2018	6.67	2,217	19.6	5.94	179
	23-Aug-2018	7.31	2,172	23.2	6.74	159
	30-May-2018	6.97	2,200	23.9	6.92	82
	23-Feb-2018	7.54	2,215	21.0	7.13	143
	30-Nov-2017	7.51	2,160	20.6	6.57	198
	22-Aug-2017	7.55	2,191	24.3	5.09	98
	5-Jun-2017	6.62	2,133	22.68	4.78	110.2
	3-Mar-2017	6.88	2,164	21.09	3.56	249.1
	30-Nov-2016	6.90	2,148	21.44	3.63	368.2
	2-Sep-2016	6.92	2,270	22.80	6.89	NM
	31-May-2016	7.12	2,074	22.73	5.11	48.0
	24-Feb-2016	7.27	2,072	21.71	7.27	312.5
	1-Dec-2015	7.30	2,009	20.67	8.14	234.2
	31-Aug-2015	7.25	2,385	23.15	NM	134.7

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
692-09*	7-Mar-2019	7.04	2,211	22.2	5.89	136
	4-Dec-2018	7.52	2,229	20.1	6.11	132
	23-Aug-2018	7.40	2,172	23.1	5.44	111
	30-May-2018	6.91	2,211	23.0	5.21	127
	23-Feb-2018	7.58	2,211	22.1	4.38	143
	30-Nov-2017	7.32	2,196	22.3	5.75	228
	22-Aug-2017	7.25	2,231	24.0	4.28	104
	5-Jun-2017	7.22	2,163	23.19	5.07	156.4
	3-Mar-2017	7.30	2,240	22.24	3.26	257.8
	30-Nov-2016	7.13	2,221	22.09	6.02	103.1
	2-Sep-2016	7.14	2,310	23.50	6.03	NM
	31-May-2016	7.35	2,106	22.81	4.68	62.3
	24-Feb-2016	7.06	2,111	22.18	5.54	208.6
	2-Dec-2015	7.65	2,015	18.78	8.02	155.9
31-Aug-2015	7.57	2,420	27.64	NM	168.5	
<b>Anthony Waste Water Treatment Plant</b>						
MW-1	Aug-2015	Parameters Not Collected				
MW-2	Aug-2015	Parameters Not Collected				
MW-3	Aug-2015	Parameters Not Collected				
<b>ABATEMENT PLAN MONITOR WELLS</b>						
DAD-01	5-Mar-2019	7.28	2,352	23.9	1.13	127
	28-Nov-2018	7.11	2,221	23.5	1.31	147
	24-Aug-2018	6.79	2,101	25.3	1.14	222
	31-May-2018	7.20	2,084	24.1	1.36	115
	26-Feb-2018	7.44	2,458	22.8	3.17	129
	20-Nov-2017	7.39	2,414	24.6	5.07	131
	24-Aug-2017	7.30	2,436	25.0	5.57	167
	8-Jun-2017	6.93	2,383	25.27	3.40	206.7
	7-Mar-2017	7.23	2,688	23.27	2.40	217.1
	30-Nov-2016	7.09	2,728	24.10	5.82	239.2
	6-Sep-2016	7.24	2,740	25.30	6.16	NM
	2-Jun-2016	7.02	2,521	24.87	6.19	98.6
	25-Feb-2016	6.78	2,785	24.29	3.75	198.6
	23-Nov-2015	7.21	2,636	22.29	4.60	-7.4
1-Sep-2015	7.28	2,406	24.74	NM	255.7	

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
DAD-02	4-Mar-2019	7.32	2,015	23.2	1.31	136
	28-Nov-2018	7.18	2,258	23.2	1.44	156
	24-Aug-2018	7.10	2,325	24.4	1.63	218
	31-May-2018	7.38	2,412	24.1	2.06	111
	26-Feb-2018	7.51	2,652	23.2	2.47	142
	20-Nov-2017	7.30	2,632	23.3	5.75	166
	24-Aug-2017	7.40	2,510	25.1	5.35	73
	8-Jun-2017	6.91	2,606	24.78	4.78	171.8
	7-Mar-2017	7.42	2,727	23.27	2.96	208.2
	30-Nov-2016	7.20	2,535	22.82	6.93	134.3
	6-Sep-2016	7.83	2,570	24.40	6.78	NM
	2-Jun-2016	7.20	2,454	24.80	5.21	79.4
	25-Feb-2016	7.22	2,480	22.99	6.08	203.6
	23-Nov-2015	7.31	2,454	22.81	5.28	95.5
	31-Aug-2015	7.48	2,633	25.05	NM	220.6
DAD-03	5-Mar-2019	7.34	2,651	19.8	2.60	149
	28-Nov-2018	7.65	2,700	22.1	3.10	152
	24-Aug-2018	7.39	2,953	22.4	2.56	58
	31-May-2018	6.97	3,152	20.3	2.30	83
	26-Feb-2018	7.63	2,952	20.5	2.11	145
	20-Nov-2017	7.25	3,238	22.8	1.48	121
	24-Aug-2017	7.23	3,259	22.4	1.67	-96
	8-Jun-2017	6.79	3,035	21.24	5.23	-13.6
	7-Mar-2017	7.52	3,727	20.11	1.88	216.7
	30-Nov-2016	7.41	3,983	21.72	5.03	-20.9
	6-Sep-2016	7.36	3,750	23.10	2.32	NM
	2-Jun-2016	7.11	3,397	23.72	2.01	61.9
	25-Feb-2016	7.26	3,160	19.80	0.62	-97.8
	23-Nov-2015	7.33	3,365	21.04	1.30	-47.3
	1-Sep-2015	7.37	4,085	23.27	NM	225.8

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
DAD-04	5-Mar-2019	7.66	2,701	18.1	1.58	142
	28-Nov-2018	7.53	2,748	19.7	1.86	121
	24-Aug-2018	7.77	2,583	21.0	1.59	25
	31-May-2018	7.43	2,667	20.7	1.20	60
	26-Feb-2018	7.66	2,270	18.4	1.84	83
	20-Nov-2017	8.45	1,429	20.9	3.79	29
	24-Aug-2017	7.45	2,986	21.2	NM	78
	8-Jun-2017	6.84	2,696	21.48	2.64	209.2
	7-Mar-2017	7.80	2,486	19.56	1.80	214.6
	2-Dec-2016	7.60	2,843	20.58	5.46	216.8
	6-Sep-2016	7.75	3,040	22.10	3.57	NM
	2-Jun-2016	7.16	3,129	20.67	3.12	39.4
	25-Feb-2016	7.52	2,191	18.39	3.45	84.7
	23-Nov-2015	7.68	2,587	19.50	1.92	-29.6
1-Sep-2015	7.76	3,591	22.82	NM	164.8	
DAD-05	5-Mar-2019	7.57	2,898	16.8	2.51	147
	29-Nov-2018	7.51	3,911	19.9	1.28	172
	24-Aug-2018	7.45	4,335	20.0	2.91	90
	31-May-2018	7.00	4,244	15.8	3.45	60
	26-Feb-2018	7.23	4,209	16.7	4.67	112
	27-Nov-2017	7.28	4,252	20.1	1.62	138
	25-Aug-2017	7.53	2,517	20.6	3.72	187
	8-Jun-2017	6.53	3,839	17.82	2.77	38.3
	7-Mar-2017	7.41	2,997	17.25	2.27	231.3
	2-Dec-2016	7.09	3,954	19.60	1.81	153.6
	6-Sep-2016	7.20	4,040	19.50	2.53	NM
	2-Jun-2016	7.09	3,542	17.60	2.87	66.2
	25-Feb-2016	7.12	3,494	17.20	1.47	167.5
	23-Nov-2015	7.29	3,106	19.79	1.71	29.8
1-Sep-2015	7.52	2,935	22.60	NM	101.4	

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
DAD-06	14-Mar-2019					Dry
	4-Dec-2018					Dry
	31-Aug-2018					Dry
	4-Jun-2018					Dry
	28-Feb-2018					Dry
	28-Nov-2017					Dry
	29-Aug-2017					Dry
	12-Jun-2017					Dry
	13-Mar-2017					Dry
	6-Dec-2016					Dry
	8-Sep-2016					Dry
	6-Jun-2016					Dry
	25-Feb-2016					Dry
	23-Nov-2015					Dry
1-Sep-2015					Dry	
DAD-07	8-Mar-2019	6.71	2,534	24.1	1.34	162
	29-Nov-2018	6.86	3,070	23.9	1.64	148
	27-Aug-2018	6.93	3,138	24.9	2.20	236
	1-Jun-2018	6.75	3,341	25.3	3.11	151
	27-Feb-2018	6.64	3,823	24.2	3.61	156
	28-Nov-2017	7.02	3,636	24.4	4.16	149
	28-Aug-2017	6.86	3,270	24.7	NM	190
	6-Jun-2017	6.73	3,048	24.96	2.80	196.7
	10-Mar-2017	6.92	2,948	24.40	3.24	196.4
	5-Dec-2016	6.93	2,847	23.78	5.11	215.0
	7-Sep-2016	7.12	3,160	24.80	5.78	NM
	8-Jun-2016	6.79	2,985	24.84	4.60	239.2
	1-Mar-2016	7.00	3,037	24.36	4.23	208.7
	30-Nov-2015	7.09	3,088	21.59	4.65	257.1
1-Sep-2015	7.37	3,569	26.31	NM	148.2	

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
DAD-08	5-Mar-2019	7.25	3,765	20.6	1.84	158
	29-Nov-2018	7.50	6,136	20.8	2.11	159
	24-Aug-2018	6.99	7,829	22.1	3.11	128
	31-May-2018	6.73	7,682	21.1	3.52	109
	26-Feb-2018	6.97	7,135	21.1	3.24	126
	27-Nov-2017	7.27	6,587	21.2	2.87	149
	25-Aug-2017	7.07	6,396	21.9	3.05	243
	8-Jun-2017	6.50	7,029	21.64	3.83	59.4
	7-Mar-2017	7.34	7,737	20.57	2.34	237.7
	2-Dec-2016	7.02	8,153	20.74	4.32	138.9
	6-Sep-2016	7.28	8,410	21.80	4.98	NM
	2-Jun-2016	7.06	7,862	21.51	4.97	78.8
	25-Feb-2016	7.07	7,896	20.38	4.79	177.3
	23-Nov-2015	7.20	8,036	26.21	3.73	95.1
	1-Sep-2015	7.54	8,449	23.03	NM	181.8
DAD-09	7-Mar-2019	6.91	2,609	23.0	1.56	137
	30-Nov-2018	6.80	3,429	22.0	1.34	151
	27-Aug-2018	6.06	4,046	24.1	1.59	217
	4-Jun-2018	6.23	4,601	22.7	1.34	160
	28-Feb-2018	6.61	3,836	22.2	1.67	183
	28-Nov-2017	6.98	3,372	23.0	2.77	193
	23-Aug-2017	6.92	3,070	23.8	4.98	129
	9-Jun-2017	6.57	3,975	23.74	2.73	65.9
	10-Mar-2017	6.72	3,865	22.49	1.01	197.9
	6-Dec-2016	7.20	3,618	21.40	3.70	326.0
	7-Sep-2016	6.93	3,430	24.40	2.41	NM
	6-Jun-2016	6.64	3,142	23.46	2.49	271.9
	29-Feb-2016	6.90	2,888	22.47	2.55	216.2
	23-Nov-2015	7.01	2,837	21.88	2.08	127.2
	2-Sep-2015	7.19	3,006	24.32	NM	243.3



**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
DAD-10	11-Mar-2019	7.34	2,180	20.8	1.09	154
	30-Nov-2018	6.87	2,318	19.8	1.61	175
	27-Aug-2018	7.24	2,206	22.1	1.31	229
	4-Jun-2018	6.72	2,294	20.8	3.39	138
	28-Feb-2018	7.03	2,415	20.7	3.88	167
	28-Nov-2017	7.35	2,497	21.9	2.77	166
	25-Aug-2017	7.08	2,544	22.5	3.14	197
	9-Jun-2017	6.59	2,411	21.96	4.55	222.6
	8-Mar-2017	7.28	2,414	21.94	2.21	213.2
	6-Dec-2016	7.52	2,404	19.76	2.85	260.7
	7-Sep-2016	7.47	2,620	22.70	2.81	NM
	6-Jun-2016	7.07	2,301	22.38	2.17	269.5
	29-Feb-2016	7.28	2,364	21.64	3.63	229.0
	24-Nov-2015	7.37	2,259	21.32	2.13	81.6
	3-Sep-2015	7.27	2,421	22.08	NM	241.2
DAD-11 Vertical Delineation	11-Mar-2019	7.22	3,059	21.4	1.80	171
	3-Dec-2018	6.76	4,309	21.6	1.80	164
	29-Aug-2018	7.07	4,476	23.1	1.75	265
	31-May-2018	6.59	4,493	23.6	3.41	128
	28-Feb-2018	7.59	3,902	23.0	3.28	151
	29-Nov-2017	7.50	2,972	22.5	3.77	180
	29-Aug-2017	7.04	3,868	21.6	1.68	245
	6-Jun-2017	6.62	4,544	22.51	1.94	197.6
	8-Mar-2017	7.11	5,351	22.03	2.60	227.8
	2-Dec-2016	7.26	4,183	22.13	1.53	126.7
	8-Sep-2016	7.18	6,250	22.40	2.26	NM
	8-Jun-2016	6.60	5,892	22.05	1.24	248.7
	29-Feb-2016	7.19	4,518	20.64	5.13	367.9
	24-Nov-2015	7.22	6,105	22.14	1.25	151.2
	1-Sep-2015	6.94	4,712	23.60	NM	246.7

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
DAD-12 Vertical Delineation	11-Mar-2019	7.02	3,117	21.5	2.21	168
	3-Dec-2018	6.58	4,898	22.0	2.35	163
	28-Aug-2018	6.93	5,561	22.8	2.03	211
	1-Jun-2018	6.70	5,726	22.9	4.62	148
	27-Feb-2018	7.07	5,851	23.0	5.17	131
	29-Nov-2017	7.07	5,856	22.3	3.03	172
	28-Aug-2017	6.92	5,429	22.6	3.67	191
	12-Jun-2017	7.17	4,221	22.69	3.62	192.5
	8-Mar-2017	6.90	5,893	22.19	1.77	207.6
	5-Dec-2016	6.94	5,930	23.21	0.75	182.5
	8-Sep-2016	7.20	4,610	22.10	1.69	NM
	8-Jun-2016	6.79	4,216	22.18	1.64	249.1
	29-Feb-2016	6.97	4,222	21.11	1.84	257.0
	24-Nov-2015	7.20	4,205	22.34	1.67	106.3
1-Sep-2015	6.99	4,285	22.76	NM	261.4	
DAD-13	8-Mar-2019	6.73	2,580	22.2	1.68	168
	28-Nov-2018	7.22	3,061	22.8	2.29	149
	27-Aug-2018	6.89	2,838	23.7	2.06	278
	31-May-2018	6.50	4,023	22.7	1.77	132
	27-Feb-2018	6.99	2,522	22.2	3.11	121
	27-Nov-2017	7.00	2,726	23.0	2.24	197
	24-Aug-2017	6.77	3,593	23.4	3.06	236
	12-Jun-2017	7.37	3,773	23.87	4.76	120.9
	8-Mar-2017	6.86	3,350	23.15	1.95	209.7
	5-Dec-2016	7.09	3,429	20.09	5.61	421.1
	8-Sep-2016	6.88	3,620	24.20	2.80	NM
	2-Jun-2016	6.77	3,443	23.46	2.60	88.0
	25-Feb-2016	6.91	3,407	22.77	1.49	210.9
	24-Nov-2015	7.01	3,306	22.97	1.54	126.5
1-Sep-2015	7.31	3,595	24.61	NM	226.0	

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
DAD-14	8-Mar-2019	7.14	3,439	21.1	1.70	162
	28-Nov-2018	7.35	5,061	20.7	2.58	165
	29-Aug-2018	7.36	5,042	21.3	2.27	173
	31-May-2018	7.05	5,198	20.6	2.12	136
	26-Feb-2018	7.59	5,296	20.8	4.07	153
	27-Nov-2017	7.49	5,366	21.4	2.19	183
	28-Aug-2017	7.31	5,459	21.8	4.52	215
	6-Jun-2017	6.61	5,433	21.54	2.11	117.6
	8-Mar-2017	7.45	5,547	20.79	2.59	199.2
	2-Dec-2016	7.34	5,493	20.33	1.77	137.5
	8-Sep-2016	7.45	5,850	21.60	2.81	NM
	2-Jun-2016	7.20	5,487	20.75	4.09	85.4
	29-Feb-2016	7.47	5,231	20.00	2.60	265.3
	24-Nov-2015	7.56	5,242	21.02	2.60	139.1
1-Sep-2015	7.42	5,006	21.43	NM	247.2	
DAD-15	8-Mar-2019	7.09	2,723	23.4	1.04	149
	30-Nov-2018	7.07	2,820	22.0	2.21	176
	27-Aug-2018	6.94	3,139	25.5	2.44	245
	1-Jun-2018	6.85	3,070	24.1	2.25	148
	27-Feb-2018	7.32	3,015	22.1	2.81	113
	20-Nov-2017	7.11	2,906	23.9	3.36	129
	28-Aug-2017	7.03	2,890	24.3	2.72	167
	9-Jun-2017	6.85	2,869	24.42	3.63	23.7
	13-Mar-2017	6.99	2,829	22.47	3.01	236.5
	5-Dec-2016	7.06	2,831	22.56	5.56	186.2
	7-Sep-2016	7.64	2,830	24.10	4.73	NM
	8-Jun-2016	6.96	2,762	25.21	2.12	223.8
	29-Feb-2016	7.07	2,738	22.66	4.68	251.2
	24-Nov-2015	7.22	2,630	22.17	3.36	171.1
3-Sep-2015	7.14	2,702	23.39	NM	240.8	

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
DAD-16	8-Mar-2019	7.23	2,760	18.5	1.59	155
	29-Nov-2018	7.28	3,446	18.6	1.30	173
	27-Aug-2018	7.21	3,611	19.8	3.17	237
	1-Jun-2018	7.06	3,721	18.4	2.30	156
	27-Feb-2018	7.36	2,897	20.0	1.96	134
	28-Nov-2017	7.70	3,501	19.3	3.21	88
	28-Aug-2017	7.20	4,416	20.0	3.82	184
	6-Jun-2017	6.67	3,672	18.94	2.86	187.6
	8-Mar-2017	7.43	3,679	19.15	2.27	218.1
	2-Dec-2016	7.42	2,551	19.22	2.29	145.9
	7-Sep-2016	7.36	4,590	19.70	2.40	NM
	6-Jun-2016	6.99	2,448	18.73	2.45	229.3
	29-Feb-2016	7.33	3,106	18.49	2.60	204.9
	30-Nov-2015	7.34	3,424	18.55	2.81	229.8
	2-Sep-2015	7.35	2,861	20.26	NM	251.4
DAD-17	8-Mar-2019	7.37	1,031	19.4	1.17	138
	29-Nov-2018	6.88	918.1	20.6	1.06	127
	24-Aug-2018	7.40	880.4	21.6	3.70	98
	31-May-2018	7.39	935.7	19.7	2.66	56
	27-Feb-2018	7.48	863.4	20.3	2.04	113
	28-Nov-2017	7.71	992.4	21.8	3.51	105
	25-Aug-2017	7.58	1,146	21.0	2.58	185
	7-Jun-2007	7.15	1,051	20.05	2.27	82.6
	13-Mar-2017	7.41	1,145	15.36	2.18	226.5
	5-Dec-2016	7.42	1,225	20.94	1.09	173.9
	8-Sep-2016	7.40	1,640	20.80	1.68	NM
	6-Jun-2016	6.90	1,729	19.60	1.72	270.2
	1-Mar-2016	7.56	1,550	19.74	1.54	216.9
	30-Nov-2015	7.46	1,621	19.06	2.78	226.0
	2-Sep-2015	7.35	2,099	20.55	NM	252.1

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
DAD-18 Vertical Delineation	11-Mar-2019	6.74	2,771	18.0	1.66	177
	29-Nov-2018	7.78	4,066	18.5	1.59	152
	28-Aug-2018	6.91	4,090	19.2	2.46	213
	4-Jun-2018	6.44	4,253	19.0	2.49	150
	28-Feb-2018	6.94	4,289	18.2	2.64	170
	29-Nov-2017	7.31	4,233	17.9	3.03	202
	29-Aug-2017	6.91	4,326	19.2	2.21	260
	12-Jun-2017	7.20	3,957	19.58	4.32	72.8
	8-Mar-2017	7.19	4,011	18.81	1.41	232.4
	5-Dec-2016	7.14	3,914	18.32	2.52	191.4
	9-Sep-2016	7.17	4,290	20.70	1.62	NM
	6-Jun-2016	6.95	3,722	19.15	4.73	273.2
	1-Mar-2016	7.40	3,852	18.76	4.26	329.2
	30-Nov-2015	7.23	3,781	18.11	2.89	239.5
2-Sep-2015	7.24	4,009	19.26	NM	252.9	
DAD-19 Vertical Delineation	11-Mar-2019	6.78	2,565	21.1	1.28	179
	30-Nov-2018	6.71	4,376	21.8	1.88	191
	28-Aug-2018	7.00	4,489	22.5	1.94	186
	4-Jun-2018	6.36	4,800	23.0	2.06	112
	28-Feb-2018	6.71	4,742	21.5	2.85	155
	29-Nov-2017	6.90	4,728	21.7	3.08	192
	29-Aug-2017	6.83	4,634	22.4	2.02	225
	12-Jun-2017	7.19	4,383	22.64	4.21	-29.7
	13-Mar-2017	6.92	4,644	21.94	1.82	320.8
	6-Dec-2016	7.34	4,573	22.75	1.80	213.7
	9-Sep-2016	7.08	4,610	23.60	1.84	NM
	8-Jun-2016	6.75	4,410	22.74	1.85	247.1
	1-Mar-2016	7.10	4,729	21.91	1.98	290.9
	30-Nov-2015	7.13	4,730	21.08	3.07	248.2
2-Sep-2015	7.09	4,900	24.03	NM	238.0	

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
DAD-20	7-Mar-2019	7.11	2,571	22.1	1.20	143
	30-Nov-2018	7.11	3,569	20.2	1.04	174
	28-Aug-2018	7.08	3,829	23.4	1.28	235
	1-Jun-2018	6.79	3,904	23.2	1.62	145
	28-Feb-2018	7.05	3,888	21.7	1.36	186
	28-Nov-2017	7.33	3,726	22.5	5.04	198
	24-Aug-2017	7.14	3,711	23.3	4.53	63
	7-Jun-2017	6.92	3,446	22.41	2.76	175.9
	10-Mar-2017	7.24	3,557	22.46	2.75	235.1
	5-Dec-2016	7.19	3,719	22.19	6.05	176.2
	7-Sep-2016	7.46	3,880	23.40	6.29	NM
	6-Jun-2016	7.02	3,499	22.51	5.70	271.7
	1-Mar-2016	7.42	3,517	21.55	5.29	308.0
	24-Nov-2015	7.33	3,456	22.11	4.67	157.1
	2-Sep-2015	7.33	3,783	24.90	NM	155.1
DAD-21	7-Mar-2019	6.84	2,700	21.4	1.20	144
	30-Nov-2018	7.07	3,601	20.4	1.53	148
	27-Aug-2018	6.77	4,447	23.3	1.74	216
	4-Jun-2018	6.45	4,615	21.8	2.42	164
	28-Feb-2018	7.04	4,649	19.9	2.21	191
	28-Nov-2017	7.09	4,340	21.8	2.68	192
	23-Aug-2017	6.87	3,914	23.4	3.37	150
	9-Jun-2017	6.65	3,822	22.21	2.96	133.2
	10-Mar-2017	6.97	4,354	20.41	2.52	191.6
	6-Dec-2016	7.33	3,969	19.88	6.24	489.8
	7-Sep-2016	6.94	4,920	22.90	2.70	NM
	6-Jun-2016	6.66	3,931	22.03	3.98	271.5
	29-Feb-2016	7.00	3,327	21.97	3.68	227.5
	23-Nov-2015	7.17	3,174	21.19	4.52	122.1
	2-Sep-2015	7.17	3,349	23.03	NM	225.0

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
DAD-22	7-Mar-2019	7.18	2,879	23.4	2.20	137
	30-Nov-2018	7.64	2,839	21.1	1.98	149
	24-Aug-2018	7.43	3,692	24.7	2.84	133
	1-Jun-2018	7.37	3,831	25.9	1.88	137
	27-Feb-2018	7.31	3,856	22.9	1.70	150
	28-Nov-2017	7.91	3,847	23.6	3.84	191
	23-Aug-2017	7.26	3,812	25.5	3.24	141
	7-Jun-2017	7.12	4,114	27.32	4.63	91.5
	7-Mar-2017	7.70	3,915	22.36	2.29	202.1
	5-Dec-2016	7.36	3,808	22.17	4.75	170.5
	6-Sep-2016	7.68	4,060	2.39	3.72	NM
	8-Jun-2016	6.98	3,907	24.86	4.36	230.3
	25-Feb-2016	7.12	3,802	22.15	3.71	192.0
	23-Nov-2015	7.28	2,913	22.16	3.95	126.0
2-Sep-2015	7.65	4,065	25.17	NM	207.8	
DAD-23	8-Mar-2019	7.42	2,973	22.5	1.23	164
	28-Nov-2018	7.93	3,168	21.9	1.79	146
	27-Aug-2018	7.54	2,388	23.8	1.23	248
	31-May-2018	7.04	3,050	23.4	3.04	118
	26-Feb-2018	7.82	3,046	22.0	2.21	144
	29-Nov-2017	7.66	3,178	22.6	2.88	179
	24-Aug-2017	7.37	3,565	23.4	2.59	209
	7-Jun-2017	7.29	3,380	23.87	4.96	64.9
	7-Mar-2017	7.55	3,433	21.99	2.54	181.5
	5-Dec-2016	7.65	2,354	22.16	2.64	197.4
	7-Sep-2016	7.40	3,580	23.10	2.52	NM
	2-Jun-2016	7.54	2,308	23.32	1.64	62.0
	29-Feb-2016	7.60	2,402	22.54	1.10	126.8

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
DAD-24 Vertical Delineation	11-Mar-2019	6.80	2,533	21.2	1.44	153
	30-Nov-2018	6.70	3,797	21.4	1.30	175
	31-Aug-2018	6.60	3,978	22.5	1.29	118
	4-Jun-2018	6.32	4,011	24.3	3.56	106
	28-Feb-2018	6.66	4,091	21.6	3.31	179
	29-Nov-2017	6.64	4,114	21.5	3.11	175
	29-Aug-2007	6.61	4,199	22.7	1.60	224
	12-Jun-2017	6.92	4,221	24.28	2.78	226.3
	13-Mar-2017	6.70	4,248	22.44	1.35	220.8
	6-Dec-2016	7.00	4,221	23.71	0.30	-261.3
	9-Sep-2016	7.13	2,860	23.20	1.28	NM
	8-Jun-2016	6.97	2,634	22.98	1.86	244.7
	1-Mar-2016	7.20	2,507	22.26	1.89	237.4
DAD-25	11-Mar-2019	7.09	2,207	21.3	2.17	142
	29-Nov-2018	7.34	2,521	21.7	1.93	127
	28-Aug-2018	7.53	2,425	22.9	2.41	189
	4-Jun-2018	6.87	2,393	22.5	3.17	125
	27-Feb-2018	7.09	2,300	22.9	3.28	146
	27-Nov-2017	7.51	2,256	22.3	3.29	157
	25-Aug-2017	7.12	2,706	23.0	3.64	232
	8-Jun-2017	6.73	2,663	23.04	4.82	54.7
	10-Mar-2017	7.12	4,093	22.57	3.34	247.5
	2-Dec-2016	6.98	4,949	21.57	3.02	131.3
	8-Sep-2016	7.17	5,560	23.10	3.32	NM
	6-Jun-2016	6.79	3,918	22.59	3.04	268.3
	1-Mar-2016	7.11	5,434	22.49	2.12	297.6



**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
DAD-26	7-Mar-2019	6.71	2,631	22.5	1.44	155
	30-Nov-2018	7.02	3,233	18.3	1.17	160
	28-Aug-2018	7.30	4,386	23.4	1.16	224
	4-Jun-2018	6.31	4,516	22.9	2.84	161
	28-Feb-2018	6.72	4,910	22.1	3.37	187
	28-Nov-2017	6.97	5,006	22.7	2.93	200
	28-Aug-2017	6.71	5,160	23.0	3.12	205
	9-Jun-2017	6.59	5,039	23.4	3.02	37.3
	10-Mar-2017	6.81	5,283	22.37	2.65	310.3
	6-Dec-2016	7.25	5,006	21.07	3.01	285.3
	8-Sep-2016	7.16	4,880	23.60	2.40	NM
	6-Jun-2016	6.70	4,273	23.39	1.77	270.3
1-Mar-2016	7.30	3,959	21.09	1.36	245.7	

NOTES:  
 \* = Well contains a pump; as a result, DO and ORP values are not representative of aquifer conditions.  
 °C = Degrees celsius  
 DO = Dissolved oxygen  
 mg/L = Milligrams per liter  
 mV = Millivolts  
 NM = Not measured  
 ORP = Oxidation-reduction potential  
 SpC = Specific conductance  
 Temp = Temperature  
 uS/cm = Microsiemens per centimeter

**TABLE 3. SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL METHODS AND SAMPLING REQUIREMENTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Target Analytes	Analytical Method	Sample Container	Preservative	Holding Time
Nitrate as N	EPA 300.0	500 mL HDP	Cool to <6°C	48 Hours
Nitrate + Nitrite as N	EPA 300.0	500 mL HDP	H2SO4 to pH <2, Cool to	28 days
Total Kjeldhal Nitrogen	SM 4500 NORG C	500 mL HDP	H <sub>2</sub> SO <sub>4</sub> to pH <2, Cool to <6°C	28 Days
Chloride	EPA 300.0	500 mL HDP	Cool to <6°C	28 Days
Total Dissolved Solids	SM 2540 C MOD	500 mL HDP	Cool to <6°C	7 days
NOTES: °C = Degrees Celsius EPA = U.S. Environmental Protection Agency HDPE = High-density polyethylene mL = milliliter MOD = Modified N = Nitrogen SM= Standard method				

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
<b>Abatement Plan Monitoring Wells</b>						
<b>Northern Portion</b>						
DAD-01	5-Mar-19	11	<2.0	350	1,690	NA
	28-Nov-18	12	<2.0	320	1,430	NA
	24-Aug-18	15	<2.0	280	1,350	NA
	31-May-18	15	<2.0	250	1,310	NA
	26-Feb-18	9.5	<1.0	350	1,520	NA
	20-Nov-17	9.46	<0.300	400	1,500	NA
	24-Aug-17	10.4	<0.0500	396	1,560	NA
	8-Jun-17	17.0	<0.100	354	1,600	NA
	7-Mar-17	7.90	<0.300	438	1,620	NA
	30-Nov-16	5.19	<0.300	482	1,690	NA
	6-Sep-16	5.35	<0.937	502	1,580	NA
	2-Jun-16	3.27	<2.24	457	1,730	NA
	25-Feb-16	2.70	7.28	512	1,770	NA
	23-Nov-15	4.17	<1.18	491	1,680	NA
	1-Sep-15	8.52	2.10	420	1,600	NA
	27-May-15	10.9	<1.18	418	1,640	NA
	4-Mar-15	4.70	<1.80	459	1,910	NA
	3-Dec-14	6.53	<1.80	468	1,780	NA
	29-Aug-14	8.28	<1.80	425	1,830	NA
	3-Jun-14	6.13	<1.80	491	2,020	NA
	10-Mar-14	5.76	<1.66	496	1,780	NA
	11-Dec-13	7.61	3.50	471	1,760	NA
	10-Sep-13	4.43	2.80	472	1,920	NA
	16-May-13	10.4	<1.66	408	1,930	NA
	28-Feb-13	10.0	<1.72	469	1,740	NA
	3-Dec-12	10.7	<1.72	348	1,800	NA
	21-Aug-12	9.98	<1.72	373	1,640	NA
	9-May-12	6.88	2.80	401	1,660	NA
	31-Jan-12	9.90	2.52	439	1,520	NA
	27-Oct-11	9.56	3.50	436	1,840	256
	20-Jul-11	12.0	2.38	426	1,650	NA
	20-Apr-11	10.3	<2.17	460	1,710	NA
	24-Jan-11	19.8	3.50	408	1,820	NA
16-Sep-10	7.56	<10.0	439	1,800	NA	
29-Jun-10	8.55	<1.0	491	2,120	NA	
21-Mar-10	6.3	<5.0	500	1,780	NA	
9-Dec-09	7.5	1.5	550	2,010	NA	
NMED Split	9-Dec-09	7.3	2.8	468	356	264
	29-Aug-09	7.3	<5.0	540	1,970	NA
	12-May-09	5.6	<1.0	540	1,800	NA

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-02	5-Mar-19	7.6	<1.0	290	1,350	NA
	28-Nov-18	10	<2.0	350	1,410	NA
	24-Aug-18	11	<2.0	390	1,440	NA
	31-May-18	9.4	<1.0	430	1,570	NA
	26-Feb-18	10	<2.0	490	1,640	NA
	20-Nov-17	11.7	<0.300	534	1,500	NA
	24-Aug-17	11.4	<0.0500	479	1,580	NA
	8-Jun-17	11.3	<0.100	473	1,570	NA
	7-Mar-17	11.5	<0.300	522	1,650	NA
	30-Nov-16	10.1	<0.300	506	1,610	NA
	6-Sep-16	9.10	<0.937	500	1,460	NA
	2-Jun-16	9.45	<2.24	467	1,470	NA
	25-Feb-16	10.7	5.60	520	1,480	NA
	23-Nov-15	10.3	<1.18	493	1,600	NA
	31-Aug-15	10.3	3.50	511	1,760	NA
	27-May-15	10.6	<1.18	465	1,540	NA
	4-Mar-15	9.15	<1.80	440	1,560	NA
	3-Dec-14	8.47	<1.80	542	1,710	NA
	29-Aug-14	7.05	<1.80	451	1,690	NA
	3-Jun-14	5.18	<1.80	506	1,640	NA
	10-Mar-14	7.75	<1.66	463	1,620	NA
	11-Dec-13	7.91	2.80	443	1,540	NA
	9-Sep-13	7.14	<1.66	337	1,900	NA
	16-May-13	9.19	<1.66	393	1,750	NA
	1-Mar-13	8.52	<1.72	357	1,520	NA
	3-Dec-12	8.51	<1.72	345	1,800	NA
	21-Aug-12	4.39	2.10	301	1,570	NA
	9-May-12	7.71	<1.72	373	1,830	NA
	31-Jan-12	7.66	<2.17	335	1,720	NA
	27-Oct-11	8.30	2.52	380	1,360	475
	20-Jul-11	7.66	<2.17	374	1,750	NA
	21-Apr-11	7.97	<2.17	434	1,760	NA
	24-Jan-11	6.38	2.80	443	2,240	NA
16-Sep-10	3.44	<10.0	385	1,790	NA	
29-Jun-10	8.11	<0.5	364	1,870	NA	
21-Mar-10	8.1	<1.0	420	1,970	NA	
NMED Split	9-Dec-09	9.0	<1.0	440	1,920	NA
	9-Dec-09	9	0.39	388	1,970	586
	29-Aug-09	9.9	<2.0	490	1,890	NA
	14-May-09	7.4	<5.0	350	1,700	NA

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-11 Vertical Delineation (formerly 177-03)	11-Mar-19	13	<2.0	670	2,740	NA
	3-Dec-18	13	<2.0	710	2,840	NA
	29-Aug-18	16	<2.0	730	2,960	NA
	31-May-18	14	<2.0	690	2,930	NA
	26-Feb-18	10	<2.0	590	2,450	NA
	29-Nov-17	3.80	<0.0500	447	1,660	NA
	29-Aug-17	11.5	<0.0500	550	2,350	NA
	6-Jun-17	12.3	0.564	821	3,030	NA
	8-Mar-17	14.0	0.627	983	3,420	NA
	5-Dec-16	7.40	<0.300	691	2,680	NA
	8-Sep-16	15.4	<0.937	1,200	3,960	NA
	8-Jun-16	14.3	<2.24	1,060	4,040	NA
	29-Feb-16	13.5	<1.18	1,060	3,040	NA
	24-Nov-15	17.1	8.40	1,320	4,030	NA
	1-Sep-15	12.4	<1.18	981	3,120	NA
	29-May-15	13.9	<1.18	990	3,070	NA
	5-Mar-15	19.7	<1.80	1,220	3,960	NA
	5-Dec-14	19.9	<1.80	1,230	3,870	NA
	3-Sep-14	11.1	<1.80	717	2,950	NA
	6-Jun-14	1.31	4.90	477	1,860	NA
	17-Mar-14	12.0	<1.66	890	3,230	NA
	16-Dec-13	15.0	2.10	1,170	3,790	NA
	9-Sep-13	13.6	2.80	1,080	3,560	NA
	29-May-13	15.7	<1.66	1,110	3,600	NA
	1-Mar-13	14.6	<1.72	1,190	3,600	NA
	3-Dec-12	13.4	<1.72	1,210	3,870	NA
	21-Aug-12	8.71	<1.72	818	3,020	NA
	14-May-12	0.791	<1.72	359	1,550	NA
	1-Feb-12	2.38	<2.17	456	1,700	NA
	27-Oct-11	<0.500	<2.17	434	1,290	215
	2-Aug-11	<0.500	<2.17	427	1,490	NA
	5-May-11	<0.500	<2.17	398	1,360	NA
25-Jan-11	4.60	<2.05	386	1,500	NA	
21-Sep-10	3.21	<10.0	369	1,520	NA	
29-Jun-10	1.6	<1.0	430	1,610	NA	
28-Apr-10	1.5	<1.0	450	1,600	NA	
20-Jan-10	1.4	<1.0	460	1,600	NA	
21-Oct-09	1.0	<1.0	430	1,600	NA	
7-Jul-09	0.80	<1.0	470	1,500	NA	
6-May-09	0.97	3.5	450	1,600	NA	
22-Jan-09	1.00	<1.0	370	1,600	NA	

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-12 Vertical Delineation	11-Mar-19	18	<2.0	1,100	3,630	NA
	3-Dec-18	17	<2.0	1,100	3,650	NA
	28-Aug-18	20	<2.0	1,100	3,710	NA
	1-Jun-18	21	<5.0	1,200	3,740	NA
	27-Feb-18	21	<5.0	1,200	3,820	NA
	29-Nov-17	19.3	<0.0500	1,200	3,430	NA
	28-Aug-17	25.6	<0.0500	1,070	3,580	NA
	12-Jun-17	21.0	<0.100	975	3,330	NA
	8-Mar-17	25.7	<0.0501	1,200	3,690	NA
	5-Dec-16	20.7	<0.300	1,180	3,760	NA
	8-Sep-16	19.2	<0.937	805	2,960	NA
	8-Jun-16	18.2	<2.24	889	2,900	NA
	29-Feb-16	20.7	<1.18	809	2,980	NA
	24-Nov-15	19.8	<1.18	735	2,860	NA
	1-Sep-15	19.8	<1.18	759	2,950	NA
	29-May-15	14.6	<1.18	705	2,860	NA
	6-Mar-15	19.0	<1.80	625	2,860	NA
	4-Dec-14	19.0	<1.80	620	2,760	NA
	3-Sep-14	18.6	<1.80	588	2,700	NA
	9-Jun-14	19.3	<1.80	603	2,750	NA
	17-Mar-14	20.5	<1.66	621	2,890	NA
	13-Dec-13	18.5	2.10	638	2,840	NA
	10-Sep-13	18.1	2.80	557	2,950	NA
	29-May-13	18.2	<1.66	686	3,130	NA
	28-Feb-13	22.8	<1.72	688	2,820	NA
	3-Dec-12	16.4	<1.72	689	3,070	NA
	21-Aug-12	17.8	2.10	620	2,990	NA
	14-May-12	23.1	<1.72	561	2,870	NA
1-Feb-12	20.8	<2.17	614	2,670	NA	
7-Dec-11	18.8	<2.17	597	2,620	616	

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-13	8-Mar-19	10	<1.0	570	2,000	NA
	28-Nov-18	6.6	<1.0	470	1,910	NA
	27-Aug-18	12	<2.0	450	1,800	NA
	31-May-18	16	<2.0	710	2,550	NA
	27-Feb-18	27	<5.0	360	1,740	NA
	27-Nov-17	21.5	<0.0500	418	1,850	NA
	24-Aug-17	16.0	<0.0500	619	2,280	NA
	12-Jun-17	16.0	<0.100	701	2,520	NA
	8-Mar-17	14.0	<0.0501	523	2,020	NA
	5-Dec-16	9.54	<0.300	622	2,240	NA
	8-Sep-16	10.9	<0.937	673	2,300	NA
	2-Jun-16	10.5	<2.24	676	2,310	NA
	25-Feb-16	11.0	<1.18	702	2,200	NA
	24-Nov-15	9.98	<1.18	642	2,280	NA
	1-Sep-15	9.82	<1.18	611	2,300	NA
	29-May-15	11.8	<1.18	666	2,280	NA
	6-Mar-15	6.72	<1.80	553	2,120	NA
	4-Dec-14	9.14	<1.80	581	2,160	NA
	2-Sep-14	6.51	<1.80	386	1,960	NA
	9-Jun-14	5.82	<1.80	507	2,000	NA
	17-Mar-14	6.59	<3.32	528	1,960	NA
	13-Dec-13	5.83	<1.66	546	1,940	NA
	9-Sep-13	3.42	2.80	524	1,800	NA
	29-May-13	5.00	<1.66	550	2,020	NA
	28-Feb-13	5.63	<1.72	582	1,970	NA
	3-Dec-12	5.04	<1.72	504	1,810	NA
	21-Aug-12	3.51	<1.72	420	1,900	NA
10-May-12	8.66	<1.72	514	2,010	NA	
1-Feb-12	7.59	<2.17	537	1,960	NA	
27-Oct-11	7.51	2.52	536	3,700	321	

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-14	8-Mar-19	22	<5.0	830	3,310	NA
	28-Nov-18	21	<5.0	840	3,240	NA
	29-Aug-18	22	<5.0	890	3,180	NA
	31-May-18	21	<5.0	860	3,350	NA
	26-Feb-18	24	<5.0	910	3,210	NA
	27-Nov-17	25.5	0.494	1,010	3,270	NA
	28-Aug-17	28.5	<0.0500	1,010	3,170	NA
	6-Jun-17	32.7	<0.0500	1,060	3,750	NA
	8-Mar-17	39.1	0.0694	1,090	3,780	NA
	2-Dec-16	39.0	<0.300	1,140	3,750	NA
	8-Sep-16	44.5	<0.937	1,170	3,700	NA
	2-Jun-16	40.9	<2.24	1,280	3,700	NA
	29-Feb-16	40.2	<1.18	1,280	3,540	NA
	24-Nov-15	33.9	<1.18	1,220	3,550	NA
	1-Sep-15	32.1	<1.18	1,110	3,260	NA
	29-May-15	32.7	<1.18	1,030	3,320	NA
	5-Mar-15	30.2	<1.80	949	3,280	NA
	4-Dec-14	30.3	<1.80	933	3,200	NA
	2-Sep-14	26.7	2.10	878	3,240	NA
	6-Jun-14	29.6	<1.80	943	3,340	NA
	17-Mar-14	41.3	<1.66	1,040	3,620	NA
	13-Dec-13	31.9	<1.66	929	3,160	NA
	9-Sep-13	29.2	3.50	1,010	3,590	NA
	29-May-13	34.6	<1.66	1,030	3,520	NA
	1-Mar-13	42.0	16.8	1,130	3,730	NA
	3-Dec-12	40.3	<1.72	1,150	4,010	NA
	21-Aug-12	33.2	<1.72	919	3,340	NA
14-May-12	28.8	<1.72	881	3,280	NA	
1-Feb-12	20.3	<2.17	861	2,880	NA	
27-Oct-11	17.2	2.80	835	1,780	447	



**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-23	8-Mar-19	17	<2.0	540	2,260	NA
	28-Nov-18	18	<2.0	500	2,090	NA
	27-Aug-18	21	<2.0	580	2,350	NA
	31-May-18	19	<2.0	670	2,500	NA
	26-Feb-18	16	<2.0	490	1,890	NA
	29-Nov-17	18.2	<0.0500	763	2,050	NA
	24-Aug-17	19.5	<0.0500	676	2,500	NA
	7-Jun-17	14.9	<0.100	580	2,300	NA
	7-Mar-17	12.0	<0.300	577	2,230	NA
	5-Dec-16	5.57	<0.300	566	1,940	NA
	7-Sep-16	1.86	<0.937	462	1,720	NA
	2-Jun-16	1.10	<2.24	636	2,260	NA
	29-Feb-16	<0.305	<1.18	421	1,680	NA
21-Dec-15	6.11	<1.18	450	1,860	NA	
<b>NMWQCC Standard</b>		<b>10</b>	<b>NA</b>	<b>250</b>	<b>1,000</b>	<b>600</b>
<b>Existing Conditions</b>		<b>NA</b>	<b>NA</b>	<b>1,015</b>	<b>3,178</b>	<b>NA</b>

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)	
<b>Central Portion</b>							
DAD-03	5-Mar-19	<1.0	3.1	330	2,180	NA	
	28-Nov-18	<1.0	2.5	320	2,110	NA	
	24-Aug-18	<1.0	<2.0	350	2,520	NA	
	31-May-18	<1.0	<5.0	370	1,930	NA	
	26-Feb-18	<1.0	<2.0	360	2,220	NA	
	20-Nov-17	0.2220	0.498	446	2,060	NA	
	24-Aug-17	0.0823	<0.0500	440	2,240	NA	
	8-Jun-17	0.150	2.67	454	2,110	NA	
	7-Mar-17	0.251	3.09	589	2,570	NA	
	30-Nov-16	0.874	4.29	647	2,820	NA	
	6-Sep-16	<0.305	<0.937	289	2,520	NA	
	2-Jun-16	<0.305	<2.24	540	2,410	NA	
	25-Feb-16	<0.305	3.92	558	2,340	NA	
	23-Nov-15	<0.194	<1.18	603	2,440	NA	
	1-Sep-15	<0.194	1.40	702	2,720	NA	
	27-May-15	<0.0470	<1.18	738	2,620	NA	
	4-Mar-15	<0.0470	<1.80	609	2,630	NA	
	3-Dec-14	<0.126	<1.80	569	2,560	NA	
	29-Aug-14	<0.126	<1.80	686	2,890	NA	
	9-Jun-14	<0.187	<1.80	838	3,410	NA	
	10-Mar-14	0.906	<1.66	917	3,480	NA	
	11-Dec-13	<0.213	<1.66	932	3,180	NA	
	10-Sep-13	Not Sampled - insufficient water to sample					
	16-May-13	1.07	<1.66	1,400	4,420	NA	
	1-Mar-13	0.721	<1.72	1,220	3,720	NA	
	3-Dec-12	1.1	<1.72	1,150	4,760	NA	
	21-Aug-12	<0.0290	2.80	1,090	3,920	NA	
	9-May-12	<0.114	2.66	1,200	4,160	NA	
	31-Jan-12	<0.500	4.34	1,340	4,350	NA	
	26-Oct-11	<0.500	3.22	1,790	5,420	1,100	
	20-Jul-11	<1.00	3.22	1,630	4,720	NA	
	21-Apr-11	<0.500	<2.17	1,870	5,600	NA	
	24-Jan-11	<0.00955	4.20	1,590	4,660	NA	
16-Sep-10	0.217	<10.0	1,370	4,320	NA		
29-Jun-10	<0.5	6.18	1,570	5,150	NA		
21-Mar-10	<10	<1.0	2,200	5,620	NA		
9-Dec-09	<10	<5.0	2,100	5,590	NA		
NMED Split	9-Dec-09	<0.1	0.88	1,570	5,300	1,160	
	29-Aug-09	<0.10	<5.0	1,400	4,420	NA	
	12-May-09	<10	<5.0	1,200	5,000	NA	

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-04	5-Mar-19	<1.0	<1.0	340	1,820	NA
	28-Nov-18	<1.0	<1.0	350	1,770	NA
	24-Aug-18	<1.0	<1.0	300	1,700	NA
	31-May-18	<1.0	<1.0	280	1,710	NA
	26-Feb-18	<1.0	<1.0	230	1,520	NA
	20-Nov-17	0.314	0.734	32.3	900	NA
	24-Aug-17	0.109	<0.0500	380	1,920	NA
	8-Jun-17	0.133	0.956	349	1,800	NA
	7-Mar-17	0.257	0.632	317	1,760	NA
	2-Dec-16	1.46	1.41	343	2,040	NA
	6-Sep-16	<0.305	<0.937	497	1,830	NA
	2-Jun-16	0.633	<2.24	547	2,060	NA
	25-Feb-16	<0.305	<1.18	434	1,730	NA
	23-Nov-15	0.0853	6.16	443	1,690	NA
	1-Sep-15	<0.194	2.10	561	2,320	NA
	27-May-15	0.176	<1.18	475	1,820	NA
	4-Mar-15	0.819	<1.80	195	1,280	NA
	3-Dec-14	1.65	<1.80	185	1,260	NA
	29-Aug-14	<0.126	<1.80	483	2,060	NA
	3-Jun-14	0.988	3.50	740	2,810	NA
	10-Mar-14	1.01	<1.66	694	2,600	NA
	11-Dec-13	1.69	<1.66	604	2,400	NA
	5-Sep-13	0.827	9.10	544	2,710	NA
	16-May-13	<0.0420	<1.66	613	2,320	NA
	1-Mar-13	2.12	<1.72	510	2,090	NA
	5-Dec-12	2.740	<1.72	545	2,430	NA
	21-Aug-12	<0.0290	<1.72	496	2,620	NA
	9-May-12	0.305	<1.72	502	1,970	NA
	31-Jan-12	2.05	<2.17	493	2,320	NA
	26-Oct-11	<0.500	2.80	590	2,950	380
	20-Jul-11	<0.500	<2.17	670	2,540	NA
	20-Apr-11	<0.500	<2.17	584	2,570	NA
	24-Jan-11	<0.00955	2.66	608	2,400	NA
16-Sep-10	<0.100	<10.0	683	2,560	NA	
29-Jun-10	<0.5	1.4	570	2,330	NA	
21-Mar-10	<2.0	<2.0	620	2,460	NA	
9-Dec-09	<2.0	1.7	810	2,720	NA	
NMED Split	9-Dec-09	<0.1	1.2	659	2,630	373
	29-Aug-09	<2.0	<5.0	690	2,690	NA
	13-May-09	<2.0	<5.0	690	2,700	NA

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-05	5-Mar-19	2.0	1.3	370	2,260	NA
	29-Nov-18	2.2	<2.0	570	2,570	NA
	24-Aug-18	<1.0	1.5	650	2,820	NA
	31-May-18	<1.0	1.1	720	2,750	NA
	26-Feb-18	<1.0	1.30	660	2,720	NA
	27-Nov-17	2.31	1.51	721	2,720	NA
	25-Aug-17	8.77	<0.0500	459	1,970	NA
	8-Jun-17	1.56	1.13	722	2,850	NA
	7-Mar-17	8.37	1.04	434	2,150	NA
	2-Dec-16	2.70	2.02	653	2,840	NA
	6-Sep-16	5.00	<0.937	614	2,480	NA
	2-Jun-16	5.26	<2.24	611	2,710	NA
	25-Feb-16	9.43	<1.18	654	2,660	NA
	23-Nov-15	<0.194	2.80	493	2,100	NA
	1-Sep-15	2.15	1.40	388	2,100	NA
	27-May-15	4.48	<1.18	436	2,180	NA
	4-Mar-15	10.5	<1.80	564	2,400	NA
	3-Dec-14	2.55	<1.80	273	1,300	NA
	29-Aug-14	1.87	<1.80	230	1,200	NA
	3-Jun-14	2.20	<1.80	497	2,000	NA
	10-Mar-14	4.81	<1.66	312	1,510	NA
	12-Dec-13	0.898	2.80	72.9	695	NA
	5-Sep-13	2.16	4.90	120	870	NA
	29-May-13	2.44	<1.66	582	2,580	NA
	5-Mar-13	<0.246	<1.72	519	2,100	NA
	5-Dec-12	3.350	<1.72	690	2,930	NA
	22-Aug-12	<0.0290	<1.72	544	2,260	NA
	9-May-12	0.908	2.10	566	2,380	NA
	1-Feb-12	<0.500	<2.17	558	2,020	NA
	26-Oct-11	<0.500	2.66	647	900	377
	20-Jul-11	<0.500	5.04	599	2,460	NA
	20-Apr-11	<0.500	<2.17	430	1,810	NA
	20-Jan-11	0.128	2.10	477	1,870	NA
16-Sep-10	<2.50	<10.0	536	2,220	NA	
29-Jun-10	< 0.5	1.1	627	2,550	NA	
21-Mar-10	<2.0	<1.0	630	2,340	NA	
9-Dec-09	<2.0	1.3	710	2,420	NA	
NMED Split	9-Dec-09	<0.1	0.95	563	2,290	362
	29-Aug-09	<2.0	<2.0	630	2,310	NA
	13-May-09	<2.0	<5.0	640	2,700	NA
Duplicate	13-May-09	<10	1.6	618	2,260	NA

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-06	14-Mar-19			Dry		
	4-Dec-18			Dry		
	31-Aug-18			Dry		
	4-Jun-18			Dry		
	28-Feb-18			Dry		
	28-Nov-17			Dry		
	28-Aug-17			Dry		
	12-Jun-17			Dry		
	13-Mar-17			Dry		
	6-Dec-16			Dry		
	8-Sep-16			Dry		
	6-Jun-16			Dry		
	25-Feb-16			Dry		
	23-Nov-15			Dry		
	1-Sep-15			Dry		
	28-May-15			Dry		
	4-Mar-15			Dry		
	4-Dec-14			Dry		
	12-Aug-14			Dry		
	13-May-14			Dry		
	10-Mar-14			Dry		
	11-Dec-13			Dry		
	5-Sep-13			Dry		
	30-May-13	6.07	<1.66	508	1,690	NA
	4-Mar-13	7.66	<1.72	496	1,510	NA
	5-Dec-12	8.25	<1.72	439	1,610	NA
	21-Aug-12	9.11	2.10	347	1,530	NA
	9-May-12	11.0	<1.72	375	1,570	NA
	31-Jan-12	13.6	<2.17	382	1,510	NA
	27-Oct-11	9.20	<2.17	322	1,060	228
20-Jul-11	18.0	3.64	358	1,370	NA	
21-Apr-11	18.0	<2.17	349	1,330	NA	
24-Jan-11	12.2	2.10	360	1,270	NA	
16-Sep-10	9.20	<10.0	359	1,370	NA	
29-Jun-10	11.6	<2.0	365	1,460	NA	
21-Mar-10	10	<2.0	390	1,390	NA	
9-Dec-09	10	<1.0	380	1,380	NA	
NMED Split	9-Dec-09	8.6	0.36	354	1,440	262
	29-Aug-09	8.2	<5.0	390	1,260	NA
	14-May-09	11	<5.0	350	1,300	NA
Duplicate	14-May-09	8.17	0.4	338	1,250	NA

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-07	8-Mar-19	12	<2.0	530	2,050	NA
	29-Nov-18	11	<2.0	500	1,980	NA
	27-Aug-18	12	<2.0	500	2,060	NA
	1-Jun-18	12	<2.0	540	2,260	NA
	27-Feb-18	12	<2.0	740	2,530	NA
	28-Nov-17	12.3	<0.0500	701	2,160	NA
	28-Aug-17	11.2	<0.0500	576	2,040	NA
	6-Jun-17	7.69	<0.0500	529	2,030	NA
	10-Mar-17	6.07	<0.0501	480	1,800	NA
	5-Dec-16	4.97	<0.300	467	1,820	NA
	7-Sep-16	5.50	<0.937	583	1,940	NA
	8-Jun-16	4.87	<2.24	526	1,820	NA
	1-Mar-16	5.27	<1.18	609	2,020	NA
	30-Nov-15	6.82	<1.18	638	2,020	NA
	1-Sep-15	7.45	<1.18	649	2,060	NA
	28-May-15	5.83	<1.18	619	1,960	NA
	5-Mar-15	5.34	<1.80	554	2,060	NA
	3-Dec-14	6.85	<1.80	607	2,180	NA
	2-Sep-14	7.48	<1.80	589	2,150	NA
	12-Jun-14	5.44	<1.80	540	2,020	NA
	11-Mar-14	4.84	2.10	512	1,980	NA
	11-Dec-13	7.94	<1.66	700	2,270	NA
	5-Sep-13	7.01	3.50	650	2,380	NA
	24-May-13	8.42	<1.66	720	2,570	NA
	5-Mar-13	8.15	<1.72	724	2,740	NA
	5-Dec-12	8.03	<1.72	718	2,610	NA
	22-Aug-12	6.88	<1.72	671	2,540	NA
	9-May-12	3.81	<1.72	588	2,150	NA
	31-Jan-12	5.40	<2.17	610	1,640	NA
	26-Oct-11	5.22	2.24	591	750	426
	20-Jul-11	4.67	2.80	554	1,880	NA
	20-Apr-11	4.14	<2.17	525	1,780	NA
	19-Jan-11	0.410	<2.05	518	1,740	NA
16-Sep-10	<2.50	<10.0	637	1,990	NA	
29-Jun-10	5.17	<0.5	569	2,060	NA	
21-Mar-10	5.1	<1.0	640	1,970	NA	
9-Dec-09	5.4	<1.0	620	1,900	NA	
NMED Split	9-Dec-09	5.2	<0.1	536	1,870	403
	29-Aug-09	4.4	<5.0	610	1,780	NA
	14-May-09	4.6	<1.0	530	1,800	NA

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-08	5-Mar-19	42	<5.0	1,900	5,460	NA
	29-Nov-18	40	<5.0	1,800	4,760	NA
	24-Aug-18	47	<5.0	2,000	5,680	NA
	31-May-18	43	<5.0	1,900	5,400	NA
	26-Feb-18	51	<5.0	1,700	4,710	NA
	27-Nov-17	32.9	0.717	1,580	4,290	NA
	25-Aug-17	32.8	<0.0500	1,450	6,480	NA
	8-Jun-17	37.9	<0.100	1,670	5,140	NA
	7-Mar-17	44.8	<0.300	1,860	5,420	NA
	2-Dec-16	45.9	<0.300	1,990	5,800	NA
	6-Sep-16	44.4	<0.937	1,950	5,940	NA
	2-Jun-16	52.9	<2.24	1,960	5,840	NA
	25-Feb-16	51.2	5.60	1,990	5,740	NA
	23-Nov-15	66.1	<1.18	2,070	5,980	NA
	1-Sep-15	65.3	<1.18	2,050	6,160	NA
	28-May-15	63.0	<1.18	2,050	5,840	NA
	5-Mar-15	48.6	<1.80	1,670	5,740	NA
	3-Dec-14	48.1	<1.80	1,700	5,930	NA
	2-Sep-14	39.5	<1.80	1,700	5,220	NA
	4-Jun-14	55.8	2.10	2,210	5,840	NA
	11-Mar-14	71.7	<1.66	2,450	6,400	NA
	12-Dec-13	70.7	2.80	2,500	6,780	NA
	5-Sep-13	74.9	2.80	2,440	7,440	NA
	24-May-13	71.5	<1.66	2,140	6,740	NA
	4-Mar-13	90.0	<1.72	2,280	7,060	NA
	5-Dec-12	40.2	<1.72	2,270	5,980	NA
	22-Aug-12	32.2	<1.72	2,430	7,220	NA
	9-May-12	2.39	<1.72	1,150	3,260	NA
	31-Jan-12	2.69	<2.17	1,250	2,990	NA
	26-Oct-11	2.80	<2.17	1,260	2,500	471
	20-Jul-11	3.36	3.78	1,320	3,060	NA
	20-Apr-11	4.33	<2.17	1,300	3,280	NA
	19-Jan-11	<0.239	2.10	1,240	2,600	NA
17-Sep-10	<2.50	<10.0	1,370	3,230	NA	
29-Jun-10	2.53	<1.0	1,290	5,950	NA	
21-Mar-10	<4.0	<1.0	1,300	3,270	NA	
9-Dec-09	<4.0	<1.0	1,400	3,290	NA	
NMED Split	9-Dec-09	3.1	0.26	1,400	3,070	509
	29-Aug-09	<4.0	<2.0	1,500	3,180	NA
	14-May-09	3.0	<5.0	1,300	3,600	NA

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-15	8-Mar-19	7.5	<1.0	540	1,970	NA
	30-Nov-18	6.2	<1.0	530	1,840	NA
	27-Aug-18	8.9	<1.0	530	2,080	NA
	1-Jun-18	7.1	<1.0	520	1,960	NA
	27-Feb-18	7.4	<1.0	550	1,970	NA
	20-Nov-17	6.98	<0.300	578	1,710	NA
	28-Aug-17	4.60	<0.0500	502	1,670	NA
	9-Jun-17	6.07	<0.100	532	1,870	NA
	13-Mar-17	5.74	<0.0501	526	1,860	NA
	5-Dec-16	5.12	<0.300	496	1,660	NA
	7-Sep-16	4.21	<0.937	506	1,780	NA
	8-Jun-16	4.41	<2.24	466	1,680	NA
	29-Feb-16	4.30	3.36	536	1,720	NA
	24-Nov-15	5.06	<1.18	538	1,720	NA
	1-Sep-15	4.20	<1.18	501	1,760	NA
	29-May-15	5.43	<1.18	536	1,940	NA
	6-Mar-15	5.08	<1.80	491	1,780	NA
	4-Dec-14	5.79	<1.80	508	1,730	NA
	2-Sep-14	5.97	<1.80	489	1,620	NA
	6-Jun-14	6.09	<1.80	510	1,750	NA
2-Jan-14	4.72	2.10	497	1,780	NA	
10-Sep-13	7.56	3.50	356	1,740	NA	
29-May-13	5.29	<1.66	504	1,970	NA	
4-Mar-13	5.10	<1.72	515	1,800	NA	
4-Dec-12	4.710	<1.72	484	1,810	256	
20-Aug-12	2.370	35.00	351	1,330	256	



**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-16	8-Mar-19	<1.0	<1.0	450	1,990	NA
	29-Nov-18	<1.0	<1.0	520	2,200	NA
	27-Aug-18	<1.0	<1.0	550	2,410	NA
	1-Jun-18	<1.0	<1.0	620	2,440	NA
	27-Feb-18	0.51	<1.0	390	1,780	NA
	28-Nov-17	0.246	0.963	583	2,120	NA
	28-Aug-17	1.18	0.304	723	2,450	NA
	6-Jun-17	0.656	1.11	666	2,710	NA
	8-Mar-17	0.993	0.804	649	2,690	NA
	2-Dec-16	1.76	3.14	342	1,900	NA
	7-Sep-16	1.56	<0.937	821	3,000	NA
	6-Jun-16	1.02	<2.24	423	2,070	NA
	29-Feb-16	0.327	6.72	629	2,440	NA
	30-Nov-15	1.25	<1.18	611	2,520	NA
	2-Sep-15	2.72	1.40	424	1,970	NA
	29-May-15	3.30	1.40	431	2,060	NA
	5-Mar-15	1.04	<1.80	683	2,650	NA
	4-Dec-14	2.79	<1.80	679	2,220	NA
	2-Sep-14	2.44	<1.80	579	2,300	NA
	3-Jun-14	1.49	2.10	569	2,260	NA
	10-Mar-14	1.65	<1.66	573	2,100	NA
	12-Dec-13	1.28	2.10	561	2,210	NA
	9-Sep-13	0.832	4.20	538	2,260	NA
	29-May-13	1.68	<1.66	501	2,200	NA
	5-Mar-13	2.55	<1.72	674	2,670	NA
	5-Dec-12	2.420	<1.72	529	2,280	NA
	22-Aug-12	<0.0290	<1.72	472	2,000	NA
	14-May-12	0.147	<1.72	378	2,080	NA
1-Feb-12	<0.500	<2.17	438	1,960	NA	
27-Oct-11	<0.500	3.36	410	1,520	408	

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-17	8-Mar-19	2.4	<1.0	89	638	NA
	29-Nov-18	<1.0	<1.0	70	624	NA
	24-Aug-18	2.0	<1.0	56	580	NA
	31-May-18	1.2	<1.0	60	620	NA
	27-Feb-18	0.62	<1.0	54	572	NA
	28-Nov-17	3.17	0.169	65.4	690	NA
	25-Aug-17	10.3	<0.0500	454	1,740	NA
	7-Jun-17	0.939	0.234	84.2	970	NA
	13-Mar-17	0.509	0.352	103	885	NA
	5-Dec-16	1.46	0.370	126	755	NA
	8-Sep-16	1.89	<0.937	169	1,100	NA
	6-Jun-16	0.626	<2.24	240	1,440	NA
	1-Mar-16	<0.0610	<1.18	183	1,260	NA
	30-Nov-15	<0.0387	<1.18	373	1,550	NA
	2-Sep-15	<0.0387	<1.18	270	1,460	NA
	28-May-15	0.486	<1.18	199	1,560	NA
	5-Mar-15	0.797	<1.80	348	1,660	NA
	5-Dec-14	6.87	<1.80	451	1,820	NA
	3-Sep-14	2.48	<1.80	442	1,920	NA
	3-Jun-14	1.03	<1.80	525	2,600	NA
	11-Mar-14	3.27	<3.32	440	1,820	NA
	12-Dec-13	2.45	2.80	412	1,640	NA
	9-Sep-13	0.370	2.10	451	2,340	NA
	24-May-13	0.827	<1.66	317	1,400	NA
	5-Mar-13	2.06	<1.72	351	1,550	NA
	5-Dec-12	2.28	<1.72	230	1,260	NA
22-Aug-12	<0.0290	<1.72	189	930	NA	
10-May-12	<0.114	<1.72	353	1,580	NA	
1-Feb-12	<0.500	3.36	113	714	NA	
26-Oct-11	<0.500	3.50	175	724	186	

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-18 Vertical Delineation	11-Mar-19	9.4	<2.0	620	2,600	NA
	29-Nov-18	10	<2.0	680	2,650	NA
	28-Aug-18	12	<2.0	630	2,720	NA
	4-Jun-18	12	<2.0	720	2,740	NA
	28-Feb-18	15	<2.0	560	2,750	NA
	29-Nov-17	10.6	0.840	684	2,520	NA
	29-Aug-17	13.6	0.475	620	2,570	NA
	12-Jun-17	10.4	0.652	710	2,760	NA
	8-Mar-17	9.07	0.242	684	2,750	NA
	5-Dec-16	7.88	0.713	684	2,730	NA
	9-Sep-16	6.85	<0.937	688	2,650	NA
	6-Jun-16	8.04	<2.24	671	2,830	NA
	1-Mar-16	8.55	<1.18	918	2,860	NA
	30-Nov-15	8.19	1.68	923	2,760	NA
	2-Sep-15	8.47	3.50	741	2,960	NA
	28-May-15	9.86	1.40	825	2,940	NA
	5-Mar-15	10.0	<1.80	736	2,930	NA
	5-Dec-14	19.3	<1.80	623	2,780	NA
	3-Sep-14	12.1	<1.80	713	2,960	NA
	3-Jun-14	13.2	<1.80	749	2,760	NA
	11-Mar-14	12.8	<1.66	739	2,880	NA
	12-Dec-13	11.8	2.10	719	2,840	NA
	9-Sep-13	10.9	2.80	697	3,040	NA
	29-May-13	11.9	<1.66	734	3,020	NA
	5-Mar-13	11.2	<1.72	712	2,700	NA
	5-Dec-12	10.10	<1.72	643	2,690	NA
22-Aug-12	9.03	4.62	642	2,790	NA	
10-May-12	9.11	<1.72	558	2,700	NA	
1-Feb-12	9.62	<2.17	629	2,470	NA	
7-Dec-11	9.21	<2.17	639	2,670	495	

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-19 Vertical Delineation	11-Mar-19	34	<5.0	970	2,920	NA
	30-Nov-18	35	<5.0	990	2,960	NA
	28-Aug-18	24	<5.0	960	2,950	NA
	4-Jun-18	39	<5.0	980	3,070	NA
	28-Feb-18	33	<5.0	890	3,040	NA
	29-Nov-17	25.3	<0.0500	1,040	2,750	NA
	29-Aug-17	30.7	<0.0500	864	2,770	NA
	12-Jun-17	20.7	<0.100	928	2,790	NA
	13-Mar-17	30.7	<0.0501	970	2,870	NA
	6-Dec-16	22.5	<0.300	944	3,420	NA
	9-Sep-16	25.2	<0.937	418	2,910	NA
	8-Jun-16	24.5	<2.24	1,830	2,920	NA
	1-Mar-16	36.3	<1.18	1,060	3,200	NA
	30-Nov-15	41.2	<1.18	1,050	3,260	NA
	2-Sep-15	36.9	<1.18	1,000	3,260	NA
	28-May-15	43.6	<1.18	994	3,240	NA
	6-Mar-15	46.2	<1.80	966	3,160	NA
	5-Dec-14	10.7	<1.80	782	2,670	NA
	3-Sep-14	41.0	<1.80	899	3,240	NA
	4-Jun-14	54.3	<1.80	914	3,220	NA
	18-Mar-14	50.3	<1.66	861	3,130	NA
	12-Dec-13	48.9	2.10	930	3,240	NA
	9-Sep-13	54.6	<1.66	1,260	3,270	NA
	30-May-13	71.3	<1.66	951	3,560	NA
	4-Mar-13	69.1	<1.72	986	3,430	NA
	5-Dec-12	54.2	<1.72	851	3,230	NA
21-Aug-12	59.2	<1.72	843	3,470	NA	
10-May-12	54.8	<1.72	835	3,460	NA	
1-Feb-12	59.8	<2.17	913	2,950	NA	
7-Dec-11	47.4	<2.17	789	3,070	544	

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-24 Vertical Delineation	11-Mar-19	6.0	<1.0	940	2,490	NA
	30-Nov-18	6.5	<1.0	940	2,560	NA
	31-Aug-18	6.1	<1.0	930	2,600	NA
	4-Jun-18	6.5	<1.0	960	2,570	NA
	28-Feb-18	5.8	<1.0	810	2,480	NA
	29-Nov-17	6.25	<0.0500	994	2,220	NA
	29-Aug-17	4.10	<0.0500	910	2,420	NA
	12-Jun-17	6.94	<0.100	969	2,630	NA
	13-Mar-17	6.84	<0.0501	947	2,530	NA
	28-Dec-16	NA	NA	NA	2,600	NA
	6-Dec-16	6.19	<0.300	938	2,630 R	NA
	9-Sep-16	1.84	<0.937	425	1,620	NA
	8-Jun-16	2.55	<2.24	482	1,620	NA
	1-Mar-16	2.22	<1.18	511	1,670	NA
DAD-25	11-Mar-19	4.8	<1.0	560	1,570	NA
	29-Nov-18	5.0	<1.0	550	1,580	NA
	28-Aug-18	5.0	<2.0	510	1,800	NA
	4-Jun-18	5.6	<2.0	550	1,540	NA
	27-Feb-18	6.3	<1.0	490	1,480	NA
	27-Nov-17	6.78	0.411	456	1,310	NA
	25-Aug-17	20.1	0.768	414	1,660	NA
	8-Jun-17	10.1	<0.100	678	1,940	NA
	10-Mar-17	22.5	<0.0501	954	2,920	NA
	2-Dec-16	31.9	<0.300	1,350	3,750	NA
	8-Sep-16	32.6	<0.937	1,420	4,010	NA
	6-Jun-16	24.8	<2.24	1,390	3,400	NA
	1-Mar-16	52.5	<1.18	1,380	4,020	NA
	22-Dec-15	57.9	<1.18	1,580	4,640	NA
<b>NMWQCC Standard</b>		<b>10</b>	<b>NA</b>	<b>250</b>	<b>1,000</b>	<b>600</b>
<b>Existing Conditions</b>		<b>NA</b>	<b>NA</b>	<b>1,781</b>	<b>5,328</b>	<b>NA</b>

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
<b>Southern Portion</b>						
DAD-09 Perched Aquifer	7-Mar-19	100	<5.0	950	3,290	NA
	30-Nov-18	74	<5.0	910	3,080	NA
	27-Aug-18	76	<5.0	780	2,910	NA
	4-Jun-18	66	<5.0	870	2,690	NA
	28-Feb-18	60	<5.0	680	2,560	NA
	28-Nov-17	49.0	<0.0500	816	2,290	NA
	23-Aug-17	43.9	<0.0500	665	2,050	NA
	9-Jun-17	66.8	<0.100	773	3,300	NA
	10-Mar-17	55.4	<0.0501	667	2,530	NA
	6-Dec-16	50.2	<0.300	676	2,470	NA
	7-Sep-16	36.0	<0.937	619	2,280	NA
	6-Jun-16	34.9	<2.24	583	2,240	NA
	29-Feb-16	16.2	<1.18	574	2,050	NA
	23-Nov-15	4.95	<1.18	563	1,940	NA
	2-Sep-15	7.22	<1.18	536	1,920	NA
	27-May-15	5.25	<1.18	508	1,920	NA
	4-Mar-15	4.01	<1.80	474	1,800	NA
	5-Dec-14	4.27	<1.80	495	1,800	NA
	28-Aug-14	5.25	<1.80	466	1,720	NA
	4-Jun-14	3.14	<1.80	440	1,580	NA
	18-Mar-14	3.44	<1.66	418	1,480	NA
	16-Dec-13	17.4	<1.66	294	1,200	NA
	30-Aug-13	12.3	2.10	454	1,800	NA
	30-May-13	9.69	<1.66	435	1,740	NA
	6-Mar-13	17.1	<1.72	494	1,840	NA
	4-Dec-12	33.1	<1.72	588	2,200	NA
	20-Aug-12	48.4	<1.72	656	2,540	NA
	10-May-12	50.9	<1.72	561	2,270	NA
	31-Jan-12	59.8	<2.17	622	2,220	NA
	26-Oct-11	77.7	<2.17	728	1,600	433
	20-Jul-11	70.2	<2.17	727	2,500	NA
	20-Apr-11	47.5	<2.17	483	1,910	NA
	19-Jan-11	42.8	2.38	745	2,600	NA
17-Sep-10	22.6	<10.0	204	47	NA	
29-Jun-10	59.2	<5.0	667	2,240	NA	
21-Mar-10	29	<5.0	290	1,190	NA	
9-Dec-09	26	<5.0	300	1,190	NA	
NMED Split	9-Dec-09	22	1.6	228	1,170	152
	29-Aug-09	46	<5.0	640	2,320	NA
	13-May-09	44	<5.0	740	2,400	NA

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-10 Regional Aquifer	11-Mar-19	2.5	<1.0	380	1,280	NA
	30-Nov-18	4.9	<1.0	420	1,510	NA
	27-Aug-18	4.1	<1.0	380	1,410	NA
	4-Jun-18	5.5	<2.0	410	1,430	NA
	28-Feb-18	9.1	<1.0	360	1,440	NA
	28-Nov-17	14.5	<0.0500	457	1,540	NA
	25-Aug-17	1.14	<0.0500	100	790	NA
	9-Jun-17	15.5	<0.100	446	1,790	NA
	8-Mar-17	8.40	<0.0501	435	1,610	NA
	6-Dec-16	15.6	<0.300	443	1,710	NA
	7-Sep-16	14.8	<0.937	451	1,620	NA
	6-Jun-16	16.9	<2.24	426	1,720	NA
	29-Feb-16	10.5	<1.18	457	1,610	NA
	24-Nov-15	0.723	<1.18	146	1,560	NA
	3-Sep-15	6.53	<1.18	455	1,680	NA
	27-May-15	13.1	<1.18	490	1,550	NA
	4-Mar-15	13.9	<1.80	453	1,720	NA
	5-Dec-14	12.8	<1.80	461	1,720	NA
	3-Oct-14	12.5	<1.80	419	1,720	NA
	28-Aug-14	17.0	<1.80	445	1,740	NA
	9-Jun-14	6.86	<1.80	454	1,560	NA
	18-Mar-14	7.79	<1.66	475	1,620	NA
	16-Dec-13	8.34	4.90	475	1,600	NA
	5-Sep-13	6.01	3.50	451	1,480	NA
	23-May-13	5.42	<1.66	453	1,450	NA
	6-Mar-13	4.83	<1.72	468	1,620	NA
	4-Dec-12	4.33	<1.72	434	1,510	NA
	20-Aug-12	2.86	<1.72	389	2,520	NA
	10-May-12	1.52	<1.72	361	1,400	NA
	31-Jan-12	<0.500	<2.17	433	800	NA
	26-Oct-11	3.33	2.80	384	1,150	206
	20-Jul-11	2.29	<2.17	383	1,290	NA
20-Apr-11	1.30	<2.17	411	1,340	NA	
19-Jan-11	12.7	2.10	429	1,140	NA	
17-Sep-10	2.73	<10.0	404	1,320	NA	
29-Jun-10	1.28	<1.0	390	1,360	NA	
21-Mar-10	<2.0	<1.0	420	1,380	NA	
9-Dec-09	1.4	<1.0	460	1,360	NA	

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
NMED Split	9-Dec-09	1.5	<0.1	378	1,340	196
	29-Aug-09	1.2	<1.0	420	1,340	NA
	14-May-09	<2.0	<1.0	410	1,300	NA
DAD-20 Perched Aquifer	7-Mar-19	35	<5.0	900	2,530	NA
	30-Nov-18	36	<5.0	870	2,530	NA
	28-Aug-18	36	<5.0	850	2,510	NA
	1-Jun-18	35	<5.0	850	2,530	NA
	28-Feb-18	32	<5.0	710	2,390	NA
	28-Nov-17	36.6	<0.0500	891	2,350	NA
	24-Aug-17	31.4	<0.0500	760	2,310	NA
	7-Jun-17	30.6	<0.100	727	2,300	NA
	10-Mar-17	29.0	<0.0501	797	2,410	NA
	5-Dec-16	22.7	<0.300	798	2,360	NA
	7-Sep-16	22.7	<0.937	864	2,460	NA
	6-Jun-16	23.8	<2.24	784	2,420	NA
	1-Mar-16	22.5	<1.18	867	2,390	NA
	24-Nov-15	21.8	<1.18	810	2,350	NA
	2-Sep-15	21.0	<1.18	817	2,400	NA
	27-May-15	20.2	<1.18	905	2,460	NA
	4-Mar-15	20.4	<1.80	784	2,340	NA
	4-Dec-14	20.8	<1.80	806	2,240	NA
	28-Aug-14	19.3	<1.80	603	2,400	NA
	9-Jun-14	20.4	<1.80	773	2,470	NA
	18-Mar-14	20.6	<1.66	665	2,120	NA
	16-Dec-13	20.2	2.10	732	2,140	NA
	5-Sep-13	19.2	5.60	808	2,870	NA
	23-May-13	25.2	<1.66	707	2,320	NA
	6-Mar-13	29.5	<1.72	710	2,280	NA
4-Dec-12	17.0	<1.72	704	2,350	NA	
10-May-12	Obstruction in Well					
31-Jan-12	21.2	<2.17	568	1,000	NA	
7-Dec-11	16.1	<2.17	611	2,020	383	



**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-21 Perched Aquifer	7-Mar-19	80	<5.0	860	3,030	NA
	30-Nov-18	110	<5.0	910	3,180	NA
	27-Aug-18	90	<5.0	830	3,010	NA
	4-Jun-18	81	<5.0	750	2,900	NA
	28-Feb-18	76	<5.0	700	2,820	NA
	28-Nov-17	70.7	<0.0500	928	2,860	NA
	23-Aug-17	51.1	<0.0500	826	2,910	NA
	9-Jun-17	71.3	<0.100	977	3,360	NA
	10-Mar-17	69.2	<0.0501	939	3,190	NA
	28-Dec-16	NA	NA	NA	2,920	NA
	6-Dec-16	59.9	<0.300	936	3,020 R	NA
	7-Sep-16	58.9	<0.937	1,020	3,180	NA
	6-Jun-16	55.2	<2.24	1,350	2,920	NA
	29-Feb-16	35.6	3.92	815	2,360	NA
	23-Nov-15	6.28	<1.18	708	2,090	NA
	2-Sep-15	4.27	1.40	720	2,100	NA
	27-May-15	6.44	<1.18	609	1,910	NA
	4-Mar-15	5.95	<1.80	487	1,850	NA
	4-Dec-14	5.03	<1.80	465	1,760	NA
	28-Aug-14	13.0	<1.80	520	2,080	NA
	4-Jun-14	15.0	<1.80	532	2,180	NA
	18-Mar-14	18.1	<1.66	592	2,140	NA
	16-Dec-13	16.9	<1.66	568	1,890	NA
	5-Sep-13	12.0	4.20	583	1,990	NA
	24-May-13	6.73	<1.66	509	1,960	NA
	6-Mar-13	5.76	<1.72	516	1,910	NA
4-Dec-12	3.47	<1.72	445	1,720	NA	
20-Aug-12	3.45	<1.72	409	1,660	NA	
10-May-12	1.16	<1.72	364	2,840	NA	
31-Jan-12	6.79	2.94	475	1,620	NA	
7-Dec-11	2.14	<2.17	396	1,600	219	

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)	
DAD-22 Perched Aquifer	7-Mar-19	26	<5.0	670	2,200	NA	
	30-Nov-18	18	<5.0	670	2,120	NA	
	24-Aug-18	29	<5.0	700	2,380	NA	
	1-Jun-18	20	<2.0	810	2,390	NA	
	27-Feb-18	12	<2.0	860	2,420	NA	
	28-Nov-17	16.2	<0.0500	4.03	2,250	NA	
	23-Aug-17	19.0	<0.0500	803	2,410	NA	
	7-Jun-17	22.2	<0.100	846	2,500	NA	
	7-Mar-17	27.3	<0.300	817	2,360	NA	
	5-Dec-16	25.4	<0.300	808	2,480	NA	
	6-Sep-16	23.6	<0.937	863	2,380	NA	
	8-Jun-16	21.8	<2.24	815	2,420	NA	
	25-Feb-16	18.5	4.48	932	2,380	NA	
	23-Nov-15	6.52	<1.18	964	2,340	NA	
	2-Sep-15	6.35	<1.18	948	2,500	NA	
	27-May-15	6.56	<1.18	920	2,520	NA	
	3-Mar-15	6.22	<1.80	884	2,400	NA	
	3-Dec-14	6.52	<1.80	915	2,480	NA	
	28-Aug-14	6.60	<1.80	810	2,420	NA	
	6-Jun-14	6.80	<1.80	906	2,480	NA	
	18-Mar-14	6.38	<1.66	846	2,420	NA	
	13-Dec-13	6.35	<1.66	909	2,440	NA	
	5-Sep-13	Did Not Contain Enough Water to Sample					
	24-May-13	9.29	<1.66	920	2,580	NA	
	6-Mar-13	8.25	<1.72	909	2,610	NA	
	4-Dec-12	12.0	<1.72	886	2,740	NA	
20-Aug-12	15.3	2.10	878	2,280	NA		
10-May-12	18.3	<1.72	818	1,580	NA		
1-Feb-12	23.6	<2.17	908	3,000	NA		
26-Oct-11	29.5	2.52	781	3,860	494		

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
DAD-26 Perched Aquifer	7-Mar-19	50	<5.0	800	2,670	NA
	30-Nov-18	48	<5.0	860	2,770	NA
	28-Aug-18	110	<5.0	870	3,020	NA
	4-Jun-18	47	<5.0	920	3,240	NA
	28-Feb-18	59	<5.0	940	3,000	NA
	28-Nov-17	65.1	<0.0500	1,160	3,110	NA
	28-Aug-17	59.8	<0.0500	1,090	3,110	NA
	9-Jun-17	60.5	<0.100	1,090	3,270	NA
	10-Mar-17	66.3	<0.0501	1,110	3,280	NA
	28-Dec-16	NA	NA	NA	3,420	NA
	6-Dec-16	69.6	<0.300	1,090	3,160 R	NA
	8-Sep-16	63.2	<0.937	1,030	3,210	NA
	6-Jun-16	67.0	<2.24	858	2,900	NA
	1-Mar-16	61.1	<1.18	837	2,760	NA
22-Dec-15	59.6	<1.18	749	2,540	NA	
<b>NMWQCC Standard</b>		<b>10</b>	<b>NA</b>	<b>250</b>	<b>1,000</b>	<b>600</b>
<b>Existing Conditions</b>		<b>NA</b>	<b>NA</b>	<b>503</b>	<b>2,552</b>	<b>NA</b>
<p>NOTES:</p> <p>Shading indicates exceedence of NMWQCC standard</p> <p>Data suspect</p> <p>NA = Not analyzed</p> <p>ND = Non detect</p> <p>NMWQCC = New Mexico Water Quality Control Commission</p> <p>TDS = Total dissolved solids</p> <p>R = Rejected. Analyzed out of hold time.</p> <p>TKN = Total Kjeldahl Nitrogen</p> <p>DAD-03 (6-29-10) Roots in sample may have resulted in a measured TKN result.</p> <p>Highlight is at or above NMWQCC Standard</p> <p>Highlight is at or above relevant existing conditions value</p>						

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
<b>Northern Land Application Area</b>					
70-03	26-Feb-19	51	<5.0	3,000	7,320
	15-Nov-18	52	<5.0	3,300	7,530
	15-Aug-18	50	<5.0	3,100	7,900
	21-May-18	50	<5.0	3,200	8,080
	13-Feb-18	46	<5.0	3,400	8,490
	9-Nov-17	44.7	1.26	3,320	7,940
	14-Aug-17	45.4	1.89	3,380	8,370
	19-May-17	43.5	0.539	3,330	8,370
	20-Feb-17	43.6	<0.0501	3,200	8,270
	22-Nov-16	43.4	<0.300	3,250	8,430
	18-Aug-16	45.2	<0.937	6,010	9,340
	24-May-16	47.4	<2.24	3,220	8,330
	16-Feb-16	49.1	<1.18	3,340	8,380
	12-Nov-15	46.9	4.48	2,850	7,040
	19-Aug-15	47.4	<1.18	2,510	6,760
	12-May-15	47.0	1.40	3,060	7,900
	10-Feb-15	34.8	<1.80	744	6,140
	14-Nov-14	49.1	<1.80	2,530	6,360
	20-Aug-14	49.8	<1.80	2,590	7,000
	15-May-14	48.6	<1.80	2,580	6,880
	19-Feb-14	57.1	<1.66	3,400	8,380
	14-Nov-13	45.4	3.50	2,680	6,800
	9-Aug-13	48.7	3.50	2,740	6,890
	9-May-13	58.4	<1.66	3,290	9,200
	13-Feb-13	59.1	<1.72	3,400	8,440
	7-Nov-12	49.5	<1.72	2,850	7,950
	7-Aug-12	45.3	2.94	2,440	6,700
	25-Apr-12	53.1	5.60	2,540	6,550
	2-Feb-12	67.6	<2.17	2,840	7,480
	7-Nov-11	61.6	<2.17	3,270	7,910
	3-Aug-11	63.1	2.80	3,140	8,040
	21-Apr-11	58.9	<2.17	3,130	8,040
27-Jan-11	71.2	3.36	3,140	7,580	
22-Sep-10	62.8	<10.0	2,940	7,840	
30-Jun-10	57	<1.0	2,200	5,720	
26-Mar-10	29.6	ND	2,160	5,180	
15-Dec-09	27.1	ND	2,199	5,462	
2-Sep-09	25.4	ND	2,149	5,570	
4-Jun-09	18.6	ND	1,999	5,518	
4-Mar-09	35.5	ND	2,074	5,418	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
70/86/340-01	25-Feb-19	21	<5.0	1,700	4,750
	16-Nov-18	23	<5.0	1,700	4,560
	14-Aug-18	19	<2.0	1,700	4,680
	21-May-18	18	<2.0	1,600	4,600
	12-Feb-18	19	<2.0	1,500	4,580
	9-Nov-17	19.6	0.750	1,510	4,190
	11-Aug-17	20.6	0.868	1,790	5,170
	18-May-17	20.3	0.665	1,730	5,410
	16-Feb-17	30.1	<0.0501	1,350	4,430
	10-Nov-16	22.6	1.14	817	5,080
	23-Aug-16	24.1	<0.937	3,450	5,170
	19-May-16	17.3	6.92	1,630	4,680
	15-Feb-16	12.1	<1.18	1,750	4,730
	10-Nov-15	16.0	<1.18	1,740	4,940
	20-Aug-15	8.66	2.80	1,790	4,860
	11-May-15	8.19	<1.18	1,780	4,780
	9-Feb-15	8.79	<1.80	1,620	4,840
	12-Nov-14	15.6	<1.80	2,090	6,320
	15-Aug-14	15.3	<1.80	1,730	5,780
	11-Nov-13	6.65	4.90	1,760	4,780
	8-Aug-13	15.1	3.50	2,190	6,920
	9-May-13	15.1	<1.66	1,930	6,650
	13-Feb-13	16.6	<1.72	2,170	6,660
	5-Nov-12	12.7	<1.72	2,120	4,940
	6-Aug-12	17.1	<1.72	1,870	6,400
	25-Apr-12	11.8	<1.72	1,620	4,280
	2-Feb-12	20.0	8.12	1,750	5,440
	7-Nov-11	25.5	4.76	1,970	5,920
	25-Jul-11	31.0	2.24	1,800	5,500
	21-Apr-11	35.0	<2.17	1,780	5,420
27-Jan-11	53.5	<2.17	1,370	4,420	
22-Sep-10	39.8	<10.0	1,130	4,000	
30-Jun-10	52	<1.0	1,300	4,090	
26-Mar-10	53	ND	1,200	3,616	
15-Dec-09	64	ND	1,080	3,408	
2-Sep-09	50	ND	1,100	3,610	
4-Jun-09	28	ND	1,410	4,340	
4-Mar-09	39.3	ND	1,150	3,820	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
86/340-01	25-Feb-19	7.0	<1.0	250	1,910
	16-Nov-18	7.0	<1.0	240	1,900
	14-Aug-18	7.4	<1.0	230	1,890
	21-May-18	8.3	<1.0	240	1,890
	12-Feb-18	9.6	<1.0	300	1,920
	9-Nov-17	10.5	<0.0500	293	1,670
	11-Aug-17	11.9	<0.0500	338	2,030
	18-May-17	13.4	<0.0501	445	2,410
	16-Feb-17	13.1	<0.0501	387	2,240
	10-Nov-16	11.6	<0.937	384	2,200
	23-Aug-16	12.1	<0.937	408	2,210
	19-May-16	11.2	<2.24	421	2,220
	15-Feb-16	12.9	<1.18	422	2,300
	10-Nov-15	11.7	2.24	421	2,260
	20-Aug-15	11.7	<1.18	416	2,150
	11-May-15	12.4	<1.18	450	2,240
	9-Feb-15	10.8	<1.80	410	2,120
	11-Nov-14	11.3	<1.80	398	2,180
	15-Aug-14	11.6	<1.80	400	2,300
	14-May-14	15.4	<1.80	500	2,380
	18-Feb-14	12.4	<1.66	460	2,370
	11-Nov-13	12.2	7.00	641	2,940
	8-Aug-13	12.1	2.10	720	3,230
	9-May-13	12.3	<1.66	603	3,020
	13-Feb-13	12.2	<1.72	571	2,780
	5-Nov-12	12.1	<1.72	638	2,860
	6-Aug-12	11.6	<1.72	708	3,410
	25-Apr-12	12.1	<1.72	641	2,480
	2-Feb-12	12.3	<2.17	655	2,960
	7-Nov-11	11.6	3.08	593	2,910
	25-Jul-11	10.2	<2.17	582	2,500
	21-Apr-11	10.4	<2.17	512	2,660
	27-Jan-11	7.99	<2.17	419	2,040
22-Sep-10	11.8	<10.0	331	2,060	
30-Jun-10	13	<1.0	410	2,190	
26-Mar-10	9.2	0.7	690	2,656	
29-Jan-10	8.6	ND	530	2,258	
2-Sep-09	8.8	ND	510	2,232	
4-Jun-09	5.2	1.12	640	2,582	
4-Mar-09	11.9	ND	675	2,674	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
<b>Organ Dairy (Formerly known as Del Norte Dairy and Daybreak Dairy)</b>					
126-04	22-Feb-19	24	<5.0	650	2,370
	14-Nov-18	23	<5.0	610	2,530
	15-Aug-18	19	<2.0	580	2,400
	18-May-18	21	<5.0	570	2,360
	9-Feb-18	22	<2.0	620	2,530
	8-Nov-17	22.1	<0.0500	661	2,510
	10-Aug-17	19.4	0.871	614	2,550
	17-May-17	19.7	0.356	606	2,600
	17-Feb-17	20.7	<0.0501	639	2,680
	9-Nov-16	18.5	<0.937	621	2,580
	17-Aug-16	16.1	1.12	516	2,560
	18-May-16	16.7	<2.24	580	2,460
	15-Feb-16	20.2	4.48	623	2,510
	9-Nov-15	19.2	<1.18	612	2,460
	17-Aug-15	18.4	<1.18	573	2,490
	13-May-15	17.9	4.20	575	2,560
	11-Feb-15	17.1	<1.80	572	2,450
	12-Nov-14	16.4	7.70	556	2,400
	18-Aug-14	15.1	<1.80	536	2,590
	15-May-14	17.4	16.1	514	2,200
	20-Feb-14	17.1	<1.66	564	2,410
	13-Nov-13	16.7	9.10	567	2,240
	12-Aug-13	15.3	18.2	511	2,170
	10-May-13	15.1	<1.66	499	2,310
	12-Feb-13	18.5	<1.72	614	2,640
	7-Nov-12	16.0	3.50	572	2,500
	7-Aug-12	15.9	2.10	568	2,370
	30-Apr-12	15.7	<1.72	539	2,310
	26-Jan-12	17.4	<2.17	560	1,700
	7-Nov-11	18.2	3.92	581	2,470
	3-Aug-11	18.2	6.44	559	2,460
	22-Apr-11	18.0	5.74	594	2,500
26-Jan-11	11.1	<2.17	570	2,380	
21-Sep-10	20.5	<10.0	542	2,460	
30-Jun-10	21	<5.0	490	2,160	
25-Mar-10	14.9	0.56	530	1,964	
15-Dec-09	11.5	ND	550	1,974	
2-Sep-09	9	ND	530	2,028	
4-Jun-09	5.81	ND	550	2,084	
5-Mar-09	14.1	ND	525	2,122	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
126-05	22-Feb-19	18	<2.0	950	3,810
	14-Nov-18	20	<5.0	890	3,840
	15-Aug-18	23	<5.0	860	3,590
	18-May-18	23	<5.0	840	3,790
	9-Feb-18	26	<2.0	960	3,800
	8-Nov-17	26.6	0.196	860	3,510
	10-Aug-17	25.4	2.17	814	3,460
	17-May-17	28.1	1.20	856	3,600
	17-Feb-17	28.5	4.95	852	3,580
	9-Nov-16	41.9	<0.937	769	3,510
	18-Aug-16	20.5	<0.937	572	3,120
	18-May-16	24.2	<2.24	728	3,130
	15-Feb-16	27.7	1.68	792	3,190
	9-Nov-15	20.2	<1.18	643	2,980
	17-Aug-15	18.8	<1.18	627	2,860
	12-May-15	17.6	2.10	670	3,000
	11-Feb-15	28.8	<1.80	713	3,470
	12-Nov-14	19.2	5.60	746	3,500
	18-Aug-14	16.4	<1.80	575	3,080
	15-May-14	23.0	4.90	637	2,960
	20-Feb-14	27.1	<1.66	643	3,140
	13-Nov-13	30.3	4.20	648	3,100
	12-Aug-13	33.9	4.20	594	2,920
	10-May-13	39.0	<1.66	635	3,060
	12-Feb-13	34.2	<1.72	618	3,180
	7-Nov-12	29.2	<1.72	548	2,890
	7-Aug-12	30.8	2.10	548	2,860
	30-Apr-12	28.6	2.38	530	2,840
	26-Jan-12	30.1	<2.17	546	2,520
	4-Nov-11	31.2	<2.17	543	3,510
	4-Aug-11	29.5	4.20	525	2,540
	22-Apr-11	28.0	2.80	615	2,800
26-Jan-11	25.2	3.64	553	2,870	
21-Sep-10	22.3	<10.0	504	2,240	
30-Jun-10	24	<5.0	540	2,750	
25-Mar-10	13.5	ND	640	2,736	
15-Dec-09	16.6	ND	630	2,554	
2-Sep-09	12.8	1.4	580	2,566	
4-Jun-09	10.1	ND	600	2,640	
5-Mar-09	19.9	1.03	610	2,828	



**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
126-07	22-Feb-19	30	<5.0	790	3,030
	14-Nov-18	27	<5.0	790	2,990
	15-Aug-18	22	<1.0	720	2,900
	18-May-18	22	<5.0	660	2,740
	9-Feb-18	21	<2.0	690	2,760
	8-Nov-17	22.4	<0.0500	701	2,630
	10-Aug-17	21.6	<0.0500	723	2,540
	17-May-17	22.3	<0.0501	702	2,510
	17-Feb-17	23.9	<0.0501	663	2,590
	9-Nov-16	27.2	<0.937	526	2,540
	18-Aug-16	28.2	<0.937	523	2,510
	18-May-16	28.5	<2.24	607	2,380
	15-Feb-16	27.0	<1.18	579	2,460
	9-Nov-15	26.5	6.16	571	2,380
	17-Aug-15	23.0	<1.18	559	2,610
	13-May-15	17.9	4.20	575	2,560
	11-Feb-15	24.0	<1.80	546	2,590
	12-Nov-14	23.4	<1.80	586	2,710
	18-Aug-14	21.8	<1.80	565	2,510
	16-May-14	24.8	4.90	583	2,170
	20-Feb-14	25.6	<1.66	615	2,490
	13-Nov-13	24.1	4.20	615	2,330
	12-Aug-13	23.5	5.60	586	2,410
	10-May-13	20.2	<1.66	573	2,620
	12-Feb-13	21.2	<1.72	648	2,740
	7-Nov-12	19.8	<1.72	629	2,870
	7-Aug-12	19.5	2.10	650	2,610
	30-Apr-12	18.8	<1.72	605	2,710
	26-Jan-12	18.8	2.24	666	2,790
	4-Nov-11	19.8	<2.17	668	2,270
	4-Aug-11	19.1	2.24	666	1,410
	22-Apr-11	21.2	<2.17	704	3,110
27-Jan-11	22.4	<2.17	662	2,670	
21-Sep-10	24.9	<10.0	700	2,800	
30-Jun-10	26	<5.0	760	2,780	
25-Mar-10	12.1	ND	610	2,238	
15-Dec-09	13.8	ND	720	2,412	
2-Sep-09	10.9	ND	820	2,716	
4-Jun-09	19.0	ND	810	2,468	
5-Mar-09	16.8	ND	605	2,230	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
126-09	22-Feb-19	<1.0	<1.0	200	888
	14-Nov-18	<1.0	<1.0	140	764
	15-Aug-18	<1.0	<1.0	110	722
	18-May-18	<1.0	<1.0	150	742
	9-Feb-18	<1.0	<1.0	120	732
	8-Nov-17	1.65	0.538	66.7	555
	10-Aug-17	0.218	0.452	70.0	740
	17-May-17	0.230	<0.0501	67.1	640
	20-Feb-17	0.269	1.80	89.5	775
	9-Nov-16	2.39	<0.937	824	2,440
	18-Aug-16	1.41	2.25	714	2,500
	18-May-16	6.35	<2.24	794	2,440
	15-Feb-16	1.73	<1.18	879	2,660
	9-Nov-15	1.47	6.16	879	2,860
	17-Aug-15	1.40	<1.18	880	2,850
	13-May-15	2.34	<1.18	873	2,500
	11-Feb-15	2.18	<1.80	798	2,740
	13-Nov-14	2.42	<1.80	842	2,500
	18-Aug-14	2.25	<1.80	832	2,840
	15-May-14	2.52	<1.80	893	2,690
	20-Feb-14	2.12	<1.66	911	2,720
	13-Nov-13	2.25	4.20	919	2,710
	12-Aug-13	2.13	5.60	937	2,710
	10-May-13	2.25	<1.66	898	3,300
	12-Feb-13	2.50	<1.72	991	3,090
	7-Nov-12	2.53	<1.72	984	2,980
	7-Aug-12	2.69	2.10	962	3,050
	30-Apr-12	2.28	5.04	978	2,900
	26-Jan-12	3.93	7.00	1,100	3,180
	7-Nov-11	3.30	5.6	1,130	3,470
	4-Aug-11	3.19	<2.17	1,100	3,180
	22-Apr-11	3.31	<2.17	1,120	2,730
	22-Sep-10	2.50	<10.0	1,110	3,320
30-Jun-10		Not Sampled			
25-Mar-10					
15-Dec-09					
2-Sep-09					
4-Jun-09					
5-Mar-09					

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
126-12	22-Feb-19	8.2	1.3	370	2,270
	14-Nov-18	13	<2.0	390	2,300
	15-Aug-18	17	2.5	430	2,500
	7-Jun-18	11	2.2	420	2,550
	9-Feb-18	3.9	4.5	420	2,430
	8-Nov-17	3.26	16.6	24.5	2,440
	10-Aug-17	7.40	4.90	520	2,780
	17-May-17	17.6	0.476	455	2,480
	20-Feb-17	13.0	1.09	420	2,430
	9-Nov-16	17.1	<0.937	430	2,520
	18-Aug-16	19.4	<0.937	363	2,580
	18-May-16	17.6	<2.24	391	2,310
	15-Feb-16	13.9	<1.18	416	2,450
	9-Nov-15	10.8	8.96	428	2,460
	17-Aug-15	3.49	10.5	407	2,240
	12-May-15	2.43	11.2	393	2,120
	10-Feb-15	<0.0137	29.4	632	2,190
	13-Nov-14	2.57	2.80	409	2,160
	18-Aug-14	16.5	<1.80	384	2,220
	15-May-14	15.4	2.10	404	2,250
	20-Feb-14	13.6	2.10	404	2,370
	13-Nov-13	15.7	3.50	401	2,360
	12-Aug-13	17.0	4.20	434	2,400
	10-May-13	16.2	2.10	398	2,380
	12-Feb-13	18.8	<1.72	421	2,480
	7-Nov-12	19.2	<1.72	407	2,490
	7-Aug-12	17.5	<1.72	410	2,460
	30-Apr-12	12.9	1.96	401	2,270
	14-Feb-12	12.5	4.20	418	2,340
	4-Nov-11	13.3	<2.17	430	2,600
	4-Aug-11	13.6	<2.17	449	2,580
	22-Apr-11	13.2	<2.17	461	2,530
27-Jan-11	12.2	<2.17	453	2,280	
22-Sep-10	12.6	<10.0	446	2,430	
30-Jun-10	15	<2.0	500	2,610	
25-Mar-10	8.9	ND	550	2,260	
15-Dec-09	8.7	ND	540	2,296	
2-Sep-09	12.8	0.56	530	2,336	
4-Jun-09	4.08	0.84	530	2,322	
5-Mar-09	11	ND	475	2,320	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
126-13	22-Feb-19	39	<5.0	990	3,620
	14-Nov-18	42	<5.0	950	3,420
	15-Aug-18	40	<5.0	890	3,670
	18-May-18	37	<5.0	890	3,250
	9-Feb-18	31	<2.0	820	3,330
	8-Nov-17	28.6	0.580	771	2,810
	10-Aug-17	24.4	0.153	784	3,080
	17-May-17	23.2	<0.0501	796	3,180
	17-Feb-17	23.8	<0.0501	869	3,920
	9-Nov-16	23.2	<0.937	594	3,090
	18-Aug-16	23.4	<0.937	703	3,090
	18-May-16	26.1	<2.24	799	3,000
	15-Feb-16	36.9	<1.18	891	2,960
	9-Nov-15	29.6	<1.18	760	2,850
	17-Aug-15	33.3	<1.18	876	3,100
	12-May-15	40.8	1.40	877	3,210
	10-Feb-15	34.7	2.80	776	2,770
	12-Nov-14	33.9	<1.80	801	2,940
	18-Aug-14	38.2	<1.80	809	3,160
	15-May-14	49.5	<1.80	841	3,010
	20-Feb-14	29.9	<1.66	769	2,780
	13-Nov-13	28.0	2.80	655	2,980
	12-Aug-13	26.8	3.50	780	2,800
	10-May-13	34.1	<1.66	385	3,160
	12-Feb-13	33.7	<1.72	735	2,840
	7-Nov-12	23.8	2.10	751	3,090
	7-Aug-12	26.1	2.10	779	2,860
	30-Apr-12	43.8	<1.72	784	3,120
	26-Jan-12	27.5	<2.17	735	2,800
	7-Nov-11	21.9	<2.17	735	3,060
	4-Aug-11	21.4	<2.17	735	2,840
	22-Apr-11	21.7	<2.17	754	2,640
	26-Jan-11	22.8	<2.17	768	3,130
22-Sep-10	23.1	<10.0	750	2,850	
30-Jun-10	26	<5.0	810	3,000	
25-Mar-10	10.3	ND	940	2,740	
15-Dec-09	14.3	ND	910	2,832	
2-Sep-09	12.8	ND	840	2,746	
4-Jun-09	16.3	ND	970	2,768	
5-Mar-09	19.4	ND	845	2,800	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
<b>Mountain View Dairy</b>					
70-01	26-Feb-19	33	<5.0	840	3,390
	15-Nov-18	32	<5.0	770	3,080
	15-Aug-18	37	<5.0	900	3,530
	21-May-18	39	<5.0	860	3,410
	13-Feb-18	30	<5.0	810	3,010
	9-Nov-17	25.6	0.113	687	2,620
	14-Aug-17	24.3	0.290	723	2,740
	19-May-17	22.4	<0.0501	660	2,540
	20-Feb-17	21.8	<0.0501	643	2,530
	22-Nov-16	20.8	<0.300	696	2,790
	19-Aug-16	23.5	<0.937	532	2,740
	24-May-16	22.8	<2.24	629	2,720
	16-Feb-16	25.6	1.68	673	2,650
	12-Nov-15	26.0	5.04	630	2,560
	19-Aug-15	34.5	5.60	812	2,660
	12-May-15	23.2	9.10	597	2,520
	10-Feb-15	22.5	10.5	594	2,560
	17-Nov-14	22.0	<1.80	621	2,620
	20-Aug-14	22.5	<1.80	596	2,610
	15-May-14	23.3	2.10	632	2,540
	19-Feb-14	22.6	<1.66	616	2,620
	14-Nov-13	22.3	3.50	510	2,620
	8-Aug-13	22.8	2.80	638	2,670
	9-May-13	22.4	<1.66	616	2,740
	13-Feb-13	24.7	<1.72	655	2,680
	7-Nov-12	21.2	<1.72	636	2,700
	7-Aug-12	21.4	2.10	637	2,700
	25-Apr-12	21.7	<1.72	659	2,490
	2-Feb-12	21.5	2.94	633	2,530
	7-Nov-11	21.1	5.18	622	1,860
	3-Aug-11	20.7	2.8	641	2,630
	22-Apr-11	22.7	22.4	646	2,760
	27-Jan-11	22.5	2.94	650	2,500
22-Sep-10	19.3	12.3	617	2,610	
30-Jun-10	27	<1.0	600	2,400	
25-Mar-10	14.5	ND	670	2,096	
15-Dec-09	17.1	ND	640	2,218	
1-Sep-09	8.4	ND	630	2,244	
2-Jun-09	9.35	ND	640	2,112	
4-Mar-09	20.8	ND	610	2,254	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
70-02	26-Feb-19	32	<5.0	780	3,030
	14-Nov-18	31	<5.0	880	2,950
	15-Aug-18	34	<5.0	800	3,140
	21-May-18	33	<5.0	790	2,960
	13-Feb-18	29	<5.0	850	3,060
	9-Nov-17	30.7	<0.0500	770	2,680
	14-Aug-17	33.4	0.675	824	3,220
	19-May-17	31.3	<0.0501	791	3,070
	20-Feb-17	31.0	<0.0501	808	3,120
	22-Nov-16	31.3	1.82	831	3,150
	18-Aug-16	35.0	<0.937	849	3,270
	23-May-16	35.9	<2.24	801	3,250
	16-Feb-16	37.7	<1.18	837	3,180
	12-Nov-15	36.1	8.40	811	3,210
	19-Aug-15	35.7	<1.18	761	3,320
	12-May-15	36.3	3.50	791	3,810
	10-Feb-15	37.6	<1.80	770	3,200
	17-Nov-14	37.4	<1.80	793	3,180
	20-Aug-14	35.8	<1.80	766	3,160
	14-May-14	37.0	<1.80	781	3,220
	19-Feb-14	36.9	<1.66	793	3,160
	14-Nov-13	36.1	4.90	837	3,200
	9-Aug-13	20.9	29.4	815	2,890
	9-May-13	37.4	<1.66	790	3,260
	13-Feb-13	38.1	<1.72	841	3,160
	7-Nov-12	36.2	<1.72	820	3,300
	7-Aug-12	36.3	3.78	826	3,260
	25-Apr-12	37.9	<1.72	749	2,260
	2-Feb-12	37.5	<2.17	829	3,160
	7-Nov-11	37.7	<2.17	828	2,790
	4-Aug-11	36.8	5.04	798	3,160
	22-Apr-11	38.1	8.40	836	3,220
27-Jan-11	44.2	6.02	863	3,390	
22-Sep-10	32.2	<10.0	829	3,070	
30-Jun-10	46	< 1.0	860	3,170	
25-Mar-10	19.6	ND	930	3,076	
15-Dec-09	18.3	ND	960	3,012	
1-Sep-09	21.4	ND	970	3,148	
2-Jun-09	17.8	ND	920	3,084	
4-Mar-09	35.8	ND	940	3,104	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
70-04	26-Feb-19	25	<5.0	720	3,020
	14-Nov-18	29	<5.0	780	2,980
	15-Aug-18	27	<5.0	680	3,070
	21-May-18	27	<5.0	720	3,150
	13-Feb-18	27	<5.0	710	2,860
	9-Nov-17	26.5	<0.0500	651	2,740
	14-Aug-17	24.6	0.380	655	2,820
	19-May-17	23.9	<0.0501	618	2,680
	20-Feb-17	26.1	<0.0501	644	2,970
	22-Nov-16	26.5	<0.300	625	2,900
	18-Aug-16	27.8	<0.937	739	2,920
	23-May-16	27.3	<2.24	423	2,780
	16-Feb-16	31.4	<1.18	626	2,670
	12-Nov-15	28.9	5.60	604	2,700
	19-Aug-15	29.4	<1.18	561	2,820
	12-May-15	27.5	1.40	579	2,860
	10-Feb-15	27.0	<1.80	561	2,580
	17-Nov-14	20.2	<1.80	375	2,720
	20-Aug-14	24.4	<1.80	577	2,950
	15-May-14	24.6	<1.80	610	2,630
19-Feb-14	22.3	<1.66	607	2,580	
14-Nov-13	21.0	2.80	649	2,630	
9-Aug-13	21.7	4.20	636	2,780	
9-May-13	23.0	<1.66	630	3,510	
11-Jan-13	19.5	<1.72	613	6,200	
<b>Buena Vista Dairy I</b>					
86-01	26-Jan-11	95.4	16.0	2,300	6,240
	20-Sep-10	86.9	<10.0	2,330	6,500
	29-Jun-10	67	<1.0	1,800	5,010
	25-Mar-10	27.0	0.28	1,770	4,814
	15-Dec-09	29.8	ND	1,750	4,670
	1-Sep-09	26.1	ND	1,510	4,474
	2-Jun-09	46.5	4.76	1,590	4,464
	4-Mar-09	42	ND	1,659	4,850
86-02	26-Jan-11	23.4	2.24	641	3,110
	20-Sep-10	24.1	<10.0	613	2,980
	29-Jun-10	21	1.1	660	3,020
	25-Mar-10	16.2	0.7	740	2,740
	15-Dec-09	10.7	0.28	730	2,818
	1-Sep-09	7.2	ND	710	2,824
	2-Jun-09	2.95	ND	700	2,802
	4-Mar-09	16.4	ND	625	2,666

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
<b>Bright Star Dairy</b>					
340-01	25-Feb-19	50	<5.0	630	3,020
	15-Nov-18	49	<5.0	540	2,880
	14-Aug-18	45	<5.0	560	2,830
	21-May-18	44	<5.0	560	2,700
	12-Feb-18	44	<5.0	640	2,870
	8-Nov-17	46.5	<0.300	576	2,920
	11-Aug-17	46.5	<0.0500	417	2,830
	18-May-17	40.7	<0.0501	579	2,890
	16-Feb-17	40.3	6.48	591	2,820
	10-Nov-16	38.2	1.14	584	2,820
	23-Aug-16	35.3	<0.937	618	3,050
	18-May-16	32.6	<2.24	594	2,980
	11-Feb-16	34.0	<1.18	621	3,080
	9-Nov-15	29.8	<1.18	578	2,820
	20-Aug-15	34.9	<1.18	486	3,080
	11-May-15	41.8	<1.18	437	3,680
	19-Feb-15	50.0	<1.80	339	2,780
	12-Nov-14	49.9	<1.80	337	2,630
	15-Aug-14	37.9	<1.80	383	2,800
	14-May-14	27.4	<1.80	608	2,770
	20-Feb-14	29.1	2.80	564	2,800
	11-Nov-13	29.2	3.50	600	2,800
	8-Aug-13	28.6	4.90	694	2,000
	9-May-13	31.1	<1.66	577	3,700
	13-Feb-13	27.0	<1.72	711	3,340
	5-Nov-12	23.8	<1.72	855	3,180
	6-Aug-12	22.7	<1.72	694	3,380
	25-Apr-12	26.3	61.0	681	2,540
	2-Feb-12	27.4	<2.17	661	2,780
	4-Nov-11	26.6	4.34	691	2,910
25-Jul-11	28.3	4.20	747	2,830	
27-Jan-11	31.1	3.50	578	2,840	
21-Sep-10	24.8	<10.0	513	3,070	
29-Jun-10	29	<0.10	610	2,810	
24-Mar-10	18.8	ND	580	2,508	
15-Dec-09	13.1	ND	650	2,608	
1-Sep-09	12.20	ND	530	2,522	
2-Jun-09	8.67	ND	590	2,434	
4-Mar-09	28.3	ND	530	2,516	



**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	
340-02	25-Feb-19	67	<5.0	770	3,080	
	15-Nov-18	69	<5.0	750	3,060	
	14-Sep-18	78	<5.0	730	3,200	
	21-May-18	74	<5.0	710	3,220	
	12-Feb-18	84	<5.0	770	3,220	
	8-Nov-17	89.7	<0.300	820	3,010	
	11-Aug-17	92.4	<0.0500	858	3,260	
	18-May-17	101	<0.0501	896	3,260	
	16-Feb-17	101	<0.0501	875	3,350	
	10-Nov-16	93.8	<0.937	878	3,280	
	23-Aug-16	114	<0.937	1,140	3,270	
	18-May-16	Insufficient Water to Sample				
	11-Feb-16	99.1	<1.18	899	3,240	
	9-Nov-15	89.2	<1.18	870	3,200	
	20-Aug-15	83.0	<1.18	782	3,210	
	11-May-15	83.6	<1.18	802	3,100	
	9-Feb-15	91.2	<1.80	809	3,340	
	12-Nov-14	90.1	<1.80	807	3,320	
	15-Aug-14	84.4	<1.80	772	3,420	
	14-May-14	84.6	<1.80	793	3,130	
	20-Feb-14	86.8	<1.66	806	3,080	
	11-Nov-13	87.0	3.50	807	3,160	
	8-Aug-13	80.2	4.90	794	3,180	
	9-May-13	74.6	<1.66	744	3,180	
	13-Feb-13	81.6	<1.72	805	3,550	
	5-Nov-12	73.8	4.90	923	3,220	
	6-Aug-12	74.0	<1.72	749	3,380	
	25-Apr-12	69.8	6.16	727	2,890	
	4-Nov-11	75.0	5.74	755	3,620	
	22-Jul-11	84.8	7.98	777	2,970	
	27-Jan-11	94.1	2.24	760	3,500	
	21-Sep-10	92.2	<10.0	778	3,260	
29-Jun-10	87	<0.10	850	3,180		
24-Mar-10	95	ND	930	3,070		
15-Dec-09	82	ND	910	3,072		
1-Sep-09	94	ND	890	3,072		
2-Jun-09	43.2	ND	880	2,954		
4-Mar-09	41.5	ND	885	3,098		

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
<b>Former D&amp;J Dairy (Dominguez 2)</b>					
42-02	6-Mar-19	7.0	<1.0	460	2,750
	4-Dec-18	7.8	<1.0	580	3,090
	22-Aug-18	7.3	1.1	450	2,600
	29-May-18	7.6	<1.0	610	3,050
	21-Feb-18	8.1	1.1	610	2,960
	1-Dec-17	10.2	0.332	590	2,510
	22-Aug-17	14.8	<0.300	514	2,630
	2-Jun-17	11.0	0.939	542	2,730
	6-Mar-17	12.3	<0.300	501	2,650
	28-Nov-16	11.1	<0.300	506	2,760
	31-Aug-16	12.8	<0.937	539	2,700
	1-Jun-16	8.79	<2.24	469	2,580
	23-Feb-16	9.10	4.48	535	2,560
	1-Dec-15	7.55	<1.18	510	2,420
	26-Aug-15	6.38	5.60	492	2,540
	18-May-15	6.92	5.60	482	2,360
	26-Feb-15	7.61	6.30	483	2,580
	18-Nov-14	8.21	<1.80	461	2,400
	26-Aug-14	7.62	<1.80	477	2,350
	21-May-14	10.2	2.10	498	2,460
	26-Feb-14	9.28	<1.66	469	2,180
	26-Nov-13	9.62	2.10	490	2,260
	20-Aug-13	14.5	4.90	459	2,360
	14-May-13	12.0	<1.66	432	2,220
	15-Feb-13	17.6	<1.72	457	2,360
	9-Nov-12	8.99	<1.72	412	2,180
	8-Aug-12	7.73	<1.72	400	1,830
	1-May-12	22.5	<1.72	431	2,210
	16-Feb-12	24.5	<2.17	465	2,770
	9-Nov-11	21.2	3.08	449	2,170
	2-Aug-11	20.5	2.38	424	2,360
	25-Apr-11	29.1	<2.17	365	2,140
28-Jan-11	22.7	6.72	408	2,150	
1-Oct-10	21.0	<10.0	355	2,010	
27-Jun-10	27	<5.0	360	2,220	
6-Mar-10	31.3	<0.3	380	2,145	
16-Jan-10	25.7	0.3	350	2,090	
15-Sep-09	24.6	0.9	350	2,075	
3-Jun-09	30.6	0.6	320	2,045	
14-Mar-09	29.6	0.7	370	2,115	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
42-03	6-Mar-19	32	<5.0	1,100	3,390
	4-Dec-18	41	<5.0	1,200	3,550
	22-Aug-18	40	<5.0	1,100	3,530
	29-May-18	43	<5.0	1,200	3,590
	21-Feb-18	36	<5.0	1,200	3,570
	1-Dec-17	43.6	<0.300	1,350	3,350
	23-Aug-17	54.5	<0.300	1,010	3,540
	2-Jun-17	57.1	<0.100	1,120	3,630
	6-Mar-17	49.2	<0.300	1,170	3,690
	28-Nov-16	50.2	<0.300	1,180	3,730
	31-Aug-16	93.5	<0.937	983	3,400
	1-Jun-16	90.0	<2.24	956	3,680
	23-Feb-16	68.0	<1.18	1,190	3,740
	1-Dec-15	97.9	<1.18	933	3,380
	26-Aug-15	74.7	<1.18	1,040	3,820
	18-May-15	86.9	2.1	1,010	3,470
	27-Feb-15	68.6	<1.80	1,020	3,630
	18-Nov-14	73.2	16.1	1,040	3,560
	26-Aug-14	78.0	<1.80	891	3,360
	21-May-14	62.6	<1.80	1,100	3,720
	26-Feb-14	62.8	<1.66	1,070	3,160
	26-Nov-13	62.9	2.80	1,090	3,660
	15-Aug-13	67.5	17.5	1,090	3,560
	14-May-13	59.6	<1.66	1,150	3,800
	15-Feb-13	60.3	<1.72	1,140	3,800
	9-Nov-12	56.2	<1.72	1,120	3,800
	8-Aug-12	71.1	<1.72	1,370	3,520
	1-May-12	51.5	<1.72	1,030	3,620
	16-Feb-12	51.3	<2.17	1,130	3,760
	9-Nov-11	58.9	2.80	1,000	3,660
	1-Aug-11	59.2	<2.17	1,030	3,720
	25-Apr-11	58.8	<2.17	1,080	3,620
28-Jan-11	69.5	3.78	1,160	3,690	
1-Oct-10	63.0	<10.0	1,090	3,640	
27-Jun-10	49	<5.0	1,100	3,780	
6-Mar-10	39.6	<0.3	1,180	3,935	
16-Jan-10	43.3	<0.3	1,200	3,800	
15-Sep-09	52.3	0.3	1,130	3,765	
3-Jun-09	48.2	0.3	1,240	3,860	
14-Mar-09	32.2	<0.2	1,240	3,800	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
42-06	6-Mar-19	130	<5.0	470	2,810
	4-Dec-18	97	<5.0	560	2,690
	22-Aug-18	140	<5.0	420	2,850
	29-May-18	160	<5.0	610	3,060
	21-Feb-18	140	<5.0	590	2,920
	1-Dec-17	129	<0.300	522	2,350
	22-Aug-17	123	<0.300	295	2,250
	2-Jun-17	98.1	0.615	424	2,340
	6-Mar-17	102	<0.300	280	2,180
	28-Nov-16	66.9	<0.300	291	2,100
	31-Aug-16	67.9	<0.937	275	1,970
	1-Jun-16	87.7	<2.24	300	2,250
	23-Feb-16	60.0	<1.18	308	2,050
	1-Dec-15	84.5	<1.18	358	2,220
	26-Aug-15	80.7	<1.18	391	2,680
	18-May-15	90.6	2.80	373	2,160
	26-Feb-15	78.0	2.80	323	2,100
	18-Nov-14	94.6	<1.80	302	2,160
	13-Aug-14	83.6	<1.80	302	2,220
	21-May-14	87.9	2.80	395	2,440
	26-Feb-14	59.3	<1.66	417	2,380
	26-Nov-13	76.3	2.10	397	2,270
	20-Aug-13	95.1	4.90	432	2,580
	14-May-13	86.5	<1.66	413	2,390
	15-Feb-13	82.9	<1.72	457	2,430
	9-Nov-12	75.9	<1.72	478	2,570
	8-Aug-12	81.5	1.82	484	2,475
	1-May-12	87.0	1.96	720	2,920
	16-Feb-12	92.4	<2.17	630	3,100
	9-Nov-11	101	<2.17	617	3,000
	2-Aug-11	88.6	3.22	525	2,980
	25-Apr-11	72.2	<2.17	454	2,500
28-Jan-11	69.8	4.20	421	2,780	
1-Oct-10	113	<10.0	497	2,660	
27-Jun-10	46	<5.0	400	2,550	
6-Mar-10	43.1	<0.3	480	2,510	
16-Jan-10	44.2	0.3	1,150	2,600	
14-Sep-09	54.8	0.4	450	2,600	
3-Jun-09	0.02	<0.2	1,240	3,780	
14-Mar-09	49.7	0.2	480	2,540	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	
42-07	6-Mar-19				Dry	
	4-Dec-18				Dry	
	23-Aug-18				Dry	
	29-May-18				Dry	
	21-Feb-18				Dry	
	22-Aug-17				Dry	
	2-Jun-17				Dry	
	6-Mar-17				Dry	
	28-Nov-16				Dry	
	31-Aug-16				Dry	
	1-Jun-16				Dry	
	23-Feb-16				Dry	
	1-Dec-15				Dry	
	26-Aug-15				Dry	
	18-May-15				Dry	
	26-Feb-15				Dry	
	18-Nov-14				Dry	
	26-Aug-14				Dry	
	22-May-14				Dry	
	26-Feb-14				Dry	
	26-Nov-13				Dry	
	15-Aug-13				Dry	
	14-May-13				Dry	
	15-Feb-13				Dry	
	9-Nov-12				Dry	
	8-Aug-12				Dry	
	1-May-12				Dry	
	16-Feb-12				Dry	
	9-Nov-11		57.9	<2.17	1,090	3,450
	2-Aug-11					Dry
25-Apr-11		68.5	<2.17	1,230	4,080	
28-Jan-11		88.3	4.48	1,130	4,180	
1-Oct-10		92.0	<40.0	1,390	4,260	
27-Jun-10		63	<5.0	1,400	4,330	
6-Mar-10		63.1	<0.3	1,490	4,345	
16-Jan-10		59.6	<0.3	1,480	4,275	
15-Sep-09		66.6	<0.3	1,290	4,195	
3-Jun-09		57.4	<0.2	1,550	4,225	
14-Mar-09		43.7	<0.2	1,500	4,110	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	
42-08	6-Mar-19	49	<5.0	96	1,310	
	4-Dec-18	36	<5.0	54	1,280	
	22-Aug-18	29	<5.0	200	1,700	
	29-May-18	27	<5.0	93	1,200	
	21-Feb-18	20	<5.0	130	1,290	
	2-Dec-17	24.0	<0.300	135	1,160	
	22-Aug-17	30.6	<0.300	203	1,580	
	2-Jun-17	32.3	1.03	42.9	1,030	
	6-Mar-17	36.8	<0.300	41.4	1,200	
	28-Nov-16	37.0	<0.300	42.8	1,160	
	31-Aug-16	40.6	<0.937	53.4	1,300	
	1-Jun-16	Dry				
	23-Feb-16	Dry				
	1-Dec-15	Dry				
	26-Aug-15	37.4	<1.18	89.6	1,640	
	18-May-15	Not Sampled - insufficient water to sample				
	26-Feb-15	44.9	<1.80	85.7	1,400	
	18-Nov-14	47.3	<1.80	117	1,440	
	26-Aug-14	36.1	<1.80	159	1,500	
	21-May-14	33.1	<1.80	149	1,470	
	26-Feb-14	32.6	<1.66	251	1,790	
	26-Nov-13	30.8	2.10	275	1,780	
	20-Aug-13	30.3	6.30	292	2,000	
	14-May-13	29.9	<1.66	259	1,880	
	15-Feb-13	31.8	<1.72	284	1,860	
	9-Nov-12	30.4	<1.72	283	1,930	
	8-Aug-12	36.4	<1.72	307	1,938	
	1-May-12	36.0	<1.72	246	1,700	
	16-Feb-12	37.0	<2.17	254	1,850	
	9-Nov-11	40.0	<2.17	269	1,770	
	2-Aug-11	41.3	2.38	253	2,030	
	25-Apr-11	51.4	2.66	201	1,970	
	28-Jan-11	46.2	5.46	219	2,020	
1-Oct-10	49.0	<10.0	288	2,160		
27-Jun-10	75	<5.0	300	2,220		
6-Mar-10	76.8	<0.3	365	2,290		
16-Jan-10	82.8	<0.3	350	2,315		
15-Sep-09	87.1	0.7	410	2,340		
3-Jun-09	65.8	0.8	380	2,175		
14-Mar-09	43.2	0.4	400	2,220		

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
42-09	1-Dec-15	Not Sampled - Destroyed			
	26-Aug-15	57.1	<1.18	712	3,020
	18-May-15	58.0	<1.18	733	3,050
	26-Feb-15	69.8	<1.80	673	2,960
	18-Nov-14	46.4	<1.80	722	3,000
	26-Aug-14	46.5	<1.80	674	3,000
	22-May-14	59.3	<1.80	699	3,060
	26-Feb-14	53.5	<1.66	715	3,030
	26-Nov-13	51.2	2.80	731	3,030
	15-Aug-13	56.1	37.8	725	3,010
	14-May-13	51.6	<1.66	717	3,200
	15-Feb-13	47.0	<1.72	653	2,870
	9-Nov-12	48.4	<1.72	641	3,030
	8-Aug-12	49.5	<1.72	597	2,475
	1-May-12	50.3	<1.72	542	2,820
	16-Feb-12	50.7	<2.17	627	2,920
	9-Nov-11	47.8	<2.17	591	1,810
	1-Aug-11	55.0	<2.17	579	2,750
	25-Apr-11	65.8	<2.17	664	2,820
	28-Jan-11	44.9	<2.17	537	2,940
	28-Sep-10	38.0	<10.0	591	2,760
	27-Jun-10	68	<5.0	610	3,010
	6-Mar-10	Not Sampled			
	16-Jan-10	52.8	<0.3	690	2,970
	15-Sep-09	68.8	0.7	650	3,000
3-Jun-09	66.5	0.7	690	3,000	
14-Mar-09	59.5	0.4	700	3,050	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
42-10	6-Mar-19	<1.0	<1.0	370	1,410
	4-Dec-18	<1.0	<1.0	410	1,410
	22-Aug-18	<1.0	<1.0	370	1,390
	30-May-18	0.21	<1.0	380	1,360
	19-Feb-18	<1.0	<1.0	400	1,390
	4-Dec-17	0.592	<0.300	380	1,300
	23-Aug-17	0.469	<0.300	396	1,350
	2-Jun-17	0.429	1.23	405	1,300
	6-Mar-17	0.542	<0.300	403	1,270
	29-Nov-16	1.45	<0.300	425	1,380
	1-Sep-16	<0.305	<0.937	414	1,370
	1-Jun-16	0.354	<2.24	425	1,520
	23-Feb-16	<0.0610	<1.18	459	1,460
	1-Dec-15	0.165	<1.18	439	1,300
	25-Aug-15	<0.194	<1.18	436	1,440
	18-May-15	1.07	<1.18	471	1,360
	27-Feb-15	0.947	<1.80	439	1,520
	19-Nov-14	1.08	11.9	441	1,340
	26-Aug-14	1.08	<1.80	410	1,340
	22-May-14	1.25	<1.80	457	1,420
	26-Feb-14	0.982	<1.66	416	1,400
	26-Nov-13	1.10	2.10	435	1,420
	20-Aug-13	0.991	9.10	423	1,540
	14-May-13	0.976	<1.66	395	1,400
	15-Feb-13	<0.246	<1.72	415	1,380
	9-Nov-12	<0.0290	<1.72	397	1,350
	8-Aug-12	0.186	<1.72	403	1,328
	1-May-12	0.236	<1.72	363	1,260
	16-Feb-12	<0.500	<2.17	419	1,440
	8-Nov-11	<0.500	<2.17	425	1,510
	2-Aug-11	<0.500	<2.17	469	1,540
	25-Apr-11	<0.500	<2.17	453	1,500
	28-Jan-11	2.15	<2.17	345	1,280
	1-Oct-10	0.220	<10.0	360	1,450
	27-Jun-10	<0.50	<1.0	420	1,490
	6-Mar-10	0.23	<0.3	440	1,500
	16-Jan-10	<0.03	<0.3	430	1,435
	15-Sep-09	0.16	<0.3	400	1,425
	3-Jun-09	0.21	<0.2	450	1,535
	14-Mar-09	0.02	<0.2	480	1,480



**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
42-11	6-Mar-19	1.3	<1.0	260	1,160
	4-Dec-18	1.3	<1.0	290	1,160
	22-Aug-18	1.4	<1.0	270	1,190
	30-May-18	1.4	<1.0	330	1,160
	19-Feb-18	1.4	<1.0	310	1,200
	4-Dec-17	1.66	<0.300	268	1,040
	23-Aug-17	1.72	<0.300	291	1,100
	2-Jun-17	1.38	0.591	293	1,090
	3-Mar-17	1.66	<0.300	298	1,140
	29-Nov-16	2.39	<0.300	301	1,120
	1-Sep-16	1.23	<0.937	305	1,180
	1-Jun-16	1.34	<2.24	302	1,190
	23-Feb-16	1.23	<1.18	319	1,190
	1-Dec-15	1.16	<1.18	303	1,160
	25-Aug-15	1.00	<1.18	302	1,160
	18-May-15	1.79	<1.18	308	1,100
	27-Feb-15	1.66	<1.80	300	1,160
	19-Nov-14	1.83	2.10	316	1,170
	27-Aug-14	1.78	6.30	295	1,200
	22-May-14	1.87	<1.80	312	1,120
	26-Feb-14	1.44	<1.66	339	1,280
	26-Nov-13	1.43	2.80	344	1,260
	20-Aug-13	1.50	2.80	334	1,280
	14-May-13	1.78	<1.66	303	1,220
	15-Feb-13	1.64	<1.72	327	1,210
	9-Nov-12	<0.0290	<1.72	315	1,230
	8-Aug-12	1.21	<1.72	308	1,182
	1-May-12	1.24	<1.72	274	1,160
	16-Feb-12	<0.500	<2.17	337	1,240
	8-Nov-11	1.97	<2.17	334	1,480
	2-Aug-11	3.07	<2.17	308	1,160
	25-Apr-11	3.45	<2.17	304	795
28-Jan-11	0.47	2.38	285	1,300	
1-Oct-10	0.62	<10.0	300	1,250	
27-Jun-10	3.90	<1.0	290	1,080	
6-Mar-10	0.51	<0.3	370	1,300	
16-Jan-10	0.03	<0.3	370	1,325	
15-Sep-09	0.41	<0.3	320	1,245	
3-Jun-09	3.00	0.70	300	1,080	
14-Mar-09	0.90	<0.2	310	1,225	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
42-12	6-Mar-19	<1.0	<1.0	300	1,190
	4-Dec-18	<1.0	<1.0	330	1,190
	22-Aug-18	1.0	<1.0	330	1,190
	30-May-18	0.78	<1.0	370	1,200
	19-Feb-18	<1.0	<1.0	330	1,240
	4-Dec-17	0.825	0.460	321	1,030
	23-Aug-17	0.684	<0.300	325	1,170
	2-Jun-17	0.913	0.236	328	1,170
	6-Mar-17	1.07	<0.300	330	1,210
	29-Nov-16	1.84	<0.300	346	1,200
	1-Sep-16	0.731	<0.937	344	1,210
	1-Jun-16	0.949	<2.24	341	1,250
	23-Feb-16	0.789	<1.18	352	1,140
	1-Dec-15	0.917	<1.18	341	1,140
	25-Aug-15	0.774	<1.18	340	1,110
	18-May-15	1.78	<1.18	350	1,120
	27-Feb-15	1.87	<1.80	327	1,200
	19-Nov-14	2.10	<1.80	333	1,220
	26-Aug-14	1.96	48.3	319	1,290
	22-May-14	2.18	<1.80	337	1,160
	26-Feb-14	1.87	<1.66	336	1,180
	26-Nov-13	1.95	2.10	341	1,160
	20-Aug-13	1.77	3.50	337	1,200
	14-May-13	1.73	<1.66	319	1,170
	15-Feb-13	1.72	<1.72	332	1,170
	9-Nov-12	<0.0290	<1.72	315	1,170
	8-Aug-12	1.15	2.66	333	1,134
	1-May-12	0.750	<1.72	282	1,180
	16-Feb-12	<0.500	<2.17	341	1,200
	8-Nov-11	<0.500	<2.17	331	730
	2-Aug-11	<0.100	<2.17	331	1,340
	25-Apr-11	<0.500	<2.17	339	1,280
28-Jan-11	0.580	<2.17	276	970	
1-Oct-10	4.50	<10.0	312	1,280	
27-Jun-10	0.72	<1.0	320	1,270	
6-Mar-10	0.13	<0.3	350	1,230	
16-Jan-10	0.42	<0.3	340	1,250	
15-Sep-09	0.65	<0.3	310	1,215	
3-Jun-09	0.82	<0.2	330	1,280	
14-Mar-09	0.70	<0.2	340	1,240	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
42-13	6-Mar-19	54	<5.0	910	3,510
	4-Dec-18	Not Sampled - Water level below pump			
	22-Aug-18	43	<5.0	1,000	3,470
	29-May-18	61	<5.0	970	3,590
	21-Feb-18	57	<5.0	1,000	3,540
	1-Dec-17	48.0	<0.300	1,090	3,240
	23-Aug-17	Pump Not Operational			
	2-Jun-17	Pump Not Operational			
	6-Mar-17	43.6	0.374	838	3,410
	28-Nov-16	43.5	<0.300	839	3,340
	31-Aug-16	Not Sampled - Water level below pump			
	1-Jun-16	Not Sampled - Water level below pump			
	23-Feb-16	Not Sampled - Water level below pump			
	1-Dec-15	Not Sampled - Water level below pump			
	26-Aug-15	49.3	<1.18	756	3,480
	18-May-15	50.6	<1.18	830	3,340
	26-Feb-15	49.0	<1.80	781	3,420
	18-Nov-14	54.6	<1.80	855	3,360
	27-Aug-14	77.9	2.10	927	3,490
	22-May-14	50.9	<1.80	873	3,560
	26-Feb-14	50.0	<1.66	871	3,340
	26-Nov-13	49.8	3.50	895	3,260
	15-Aug-13	59.9	3.50	891	3,380
	14-May-13	49.7	<1.66	809	3,320
	15-Feb-13	54.3	<1.72	855	3,430
	9-Nov-12	52.2	<1.72	835	3,250
	8-Aug-12	62.3	<1.72	871	3,110
	1-May-12	81.5	<1.72	902	3,550
	16-Feb-12	99.1	<2.17	1,020	3,880
	9-Nov-11	61.5	<2.17	901	3,160
	2-Aug-11	106	<2.17	1,900	3,280
	25-Apr-11	55.9	<2.17	1,000	3,600
	28-Jan-11	52.6	<2.17	868	3,720
29-Sep-10	44.5	<10.0	833	3,360	
27-Jun-10	48	<5.0	1,000	3,810	
6-Mar-10	Not Sampled				
16-Jan-10	46.3	<0.3	1,130	3,810	
15-Sep-09	54.8	0.5	1,100	3,940	
3-Jun-09	51.6	<0.2	1,110	3,775	
14-Mar-09	51.0	0.6	1,040	3,735	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
<b>Dominguez</b>					
624-01	28-Feb-19	11	<2.0	1,000	3,170
	20-Nov-18	16	<5.0	630	2,180
	29-Aug-18	9.9	<1.0	990	3,700
	22-May-18	13	<2.0	1,000	3,240
	14-Feb-18	13	<2.0	940	3,110
	14-Nov-17	12.7	<0.300	979	2,750
	15-Aug-17	14.8	<0.300	1,050	3,080
	23-May-17	14.6	<0.300	1,060	3,030
	22-Feb-17	15.3	<0.0501	997	3,210
	14-Nov-16	11.3	<0.937	1,040	3,260
	19-Aug-16	7.25	<0.937	926	2,970
	19-May-16	20.6	<2.24	808	2,710
	16-Feb-16	11.0	1.68	744	2,480
	10-Nov-15	7.06	3.36	703	2,440
	7-Aug-15	14.0	<1.18	1,010	3,110
	19-May-15	16.7	1.40	750	3,070
	12-Feb-15	9.54	2.10	798	2,880
	17-Nov-14	11.2	<1.80	790	2,620
	19-Aug-14	11.8	<1.80	794	2,590
	20-May-14	23.2	4.90	1,050	3,320
	25-Feb-14	18.6	<1.66	950	3,080
	19-Nov-13	23.6	2.10	1,080	3,250
	14-Aug-13	15.4	3.50	970	2,990
	13-May-13	20.8	<1.66	894	2,720
	14-Feb-13	15.6	<1.72	827	2,980
	12-Nov-12	12.2	<1.72	652	2,590
	9-Aug-12	17.4	2.80	1,080	3,550
	30-Apr-12	8.69	36.4	1,400	4,180
	7-Feb-12	10.0	9.52	1,420	3,180
	4-Nov-11	10.8	5.60	1,430	3,460
3-Aug-11	10.7	<2.17	1,580	3,970	
27-Apr-11	<0.500	30.8	1,330	4,040	
25-Jan-11	14.0	<2.17	1,280	3,760	
21-Sep-10	8.20	<10.0	1,260	3,780	
27-Jun-10	11	<2.0	1,600	4,520	
6-Mar-10	17.2	<0.3	910	2,610	
16-Jan-10	5.5	0.4	840	2,540	
15-Sep-09	6.5	0.6	760	2,455	
3-Jun-09	16.1	0.7	810	2,790	
14-Mar-09	21.9	0.3	1,190	3,305	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
624-02	28-Feb-19	8.2	<1.0	950	3,130
	20-Nov-18	9.4	<2.0	850	3,010
	29-Aug-18	8.9	<1.0	710	2,160
	22-May-18	10	<2.0	860	3,290
	14-Feb-18	9.1	<1.0	720	2,920
	14-Nov-17	8.97	0.364	706	2,780
	15-Aug-17	10.9	2.00	796	3,020
	23-May-17	14.2	<0.300	827	3,590
	22-Feb-17	11.7	<0.0501	793	3,060
	14-Nov-16	8.58	<0.937	747	2,850
	19-Aug-16	6.46	<0.937	692	2,590
	19-May-16	18.5	< 2.24	914	3,280
	16-Feb-16	10.2	<1.18	785	2,800
	10-Nov-15	17.2	<1.18	1,050	3,290
	7-Aug-15	15.6	<1.18	801	2,710
	19-May-15	17.3	<1.18	859	3,020
	12-Feb-15	17.0	<1.80	810	3,320
	18-Nov-14	15.6	<1.80	912	3,100
	19-Aug-14	13.9	<1.80	995	3,380
	20-May-14	12.7	2.10	1,010	3,350
	25-Feb-14	12.4	<1.66	965	3,320
	19-Nov-13	12.6	9.10	969	3,200
	14-Aug-13	11.4	4.20	1,030	3,350
	13-May-13	9.98	<1.66	950	3,360
	14-Feb-13	9.30	2.10	1,110	3,580
	12-Nov-12	12.7	<1.72	1,170	3,830
	9-Aug-12	9.69	<1.72	1,300	4,010
	30-Apr-12	16.4	4.06	1,160	3,650
	7-Feb-12	14.8	<2.17	1,200	3,720
	4-Nov-11	10.7	3.5	1,300	4,060
	3-Aug-11	12.2	<2.17	1,290	3,600
	27-Apr-11	11.6	7.70	1,340	4,170
25-Jan-11	19.1	<2.17	1,290	3,700	
20-Sep-10	19.6	<10.0	1,300	4,130	
27-Jun-10	14	<2.0	1,400	4,230	
6-Mar-10	23.7	<0.3	1,400	3,880	
16-Jan-10	22.6	0.4	1,300	3,630	
15-Sep-09	19.9	0.8	1,260	3,625	
3-Jun-09	29.4	0.4	1,340	3,905	
14-Mar-09	26.5	0.4	1,240	3,655	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
624-04	28-Feb-19				Dry
	20-Nov-18				Dry
	29-Aug-18				Dry
	22-May-18				Dry
	14-Feb-18				Dry
	14-Nov-17				Dry
	15-Aug-17				Dry
	23-May-17				Dry
	22-Feb-17				Dry
	14-Nov-16				Dry
	19-Aug-16				Dry
	19-May-16				Dry
	16-Feb-16				Dry
	10-Nov-15				Dry
	7-Aug-15				Dry
	19-May-15				Dry
	12-Feb-15				Dry
	18-Nov-14				Dry
	19-Aug-14				Dry
	20-May-14				Dry
	25-Feb-14				Dry
	19-Nov-13				Dry
	14-Aug-13				Dry
	13-May-13				Dry
	14-Feb-13				Dry
	12-Nov-12				Dry
	9-Aug-12				Dry
	30-Apr-12				Dry
	7-Feb-12				Dry
	4-Nov-11				Dry
3-Aug-11		1.84	<2.17	478	2,760
27-Apr-11		2.60	5.74	566	2,830
26-Jan-11		3.23	2.52	747	3,480
21-Sep-10		6.0	<10.0	758	3,750
27-Jun-10		3.7	1.4	810	3,950
6-Mar-10		4.3	0.4	890	4,050
16-Jan-10		4.2	0.7	800	3,845
15-Sep-09		9.3	0.8	840	3,750
3-Jun-09		16.0	0.6	520	2,900
14-Mar-09		18.1	0.6	520	2,820

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
624-05	28-Feb-19	6.6	<1.0	370	1,920
	20-Nov-18	Dry			
	29-Aug-18	Dry			
	22-May-18	Dry			
	14-Feb-18	Dry			
	14-Nov-17	Dry			
	15-Aug-17	Dry			
	23-May-17	Dry			
	22-Feb-17	Dry			
	14-Nov-16	Dry			
	19-Aug-16	Dry			
	19-May-16	Dry			
	16-Feb-16	Dry			
	10-Nov-15	Dry			
	7-Aug-15	Dry			
	19-May-15	Dry			
	12-Feb-15	Dry			
	18-Nov-14	Dry			
	19-Aug-14	Dry			
	20-May-14	Dry			
	25-Feb-14	Dry			
	19-Nov-13	Dry			
	14-Aug-13	Dry			
	13-May-13	Dry			
	14-Feb-13	6.72	<1.72	508	2,040
	12-Nov-12	4.82	<1.72	440	2,200
	9-Aug-12	4.11	1.82	472	2,050
	30-Apr-12	3.70	2.10	346	1,710
	7-Feb-12	3.38	<2.17	411	2,040
	4-Nov-11	2.58	4.20	385	1,980
	3-Aug-11	3.34	<2.17	1,080	1,940
	27-Apr-11	3.34	4.76	424	1,840
26-Jan-11	3.62	<2.17	392	1,740	
21-Sep-10	11.9	<10.0	449	2,300	
27-Jun-10	27	< 5.0	480	2,450	
6-Mar-10	30.5	0.4	520	2,595	
16-Jan-10	21.4	0.9	520	2,605	
15-Sep-09	34.8	1.0	530	2,620	
3-Jun-09	33.8	1.3	500	2,650	
14-Mar-09	23.9	1.2	490	2,565	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
624-06	28-Feb-19				Dry
	20-Nov-18				Dry
	29-Aug-18				Dry
	22-May-18				Dry
	14-Feb-18				Dry
	14-Nov-17				Dry
	15-Aug-17				Dry
	23-May-17				Dry
	22-Feb-17				Dry
	14-Nov-16				Dry
	19-Aug-16				Dry
	19-May-16				Dry
	16-Feb-16				Dry
	10-Nov-15				Dry
	7-Aug-15				Dry
	19-May-15				Dry
	12-Feb-15				Dry
	18-Nov-14				Dry
	19-Aug-14				Dry
	20-May-14				Dry
	25-Feb-14				Dry
	19-Nov-13				Dry
	14-Aug-13				Dry
	13-May-13				Dry
	14-Feb-13	31.5	<1.72	1,150	3,600
	12-Nov-12	28.3	<1.72	1,060	3,840
	9-Aug-12	30.8	7.56	1,080	3,420
	30-Apr-12	31.1	8.40	1,010	3,300
	7-Feb-12	30.9	6.30	1,080	3,020
	4-Nov-11	29.5	8.68	1,040	2,860
	3-Aug-11	29.8	<2.17	1,080	3,240
	27-Apr-11	29.0	3.50	1,050	3,180
26-Jan-11	29.1	2.94	1,080	2,760	
21-Sep-10	26.7	<10.0	1,060	3,270	
27-Jun-10	30	<5.0	1,100	3,570	
6-Mar-10	28.3	<0.3	1,250	3,550	
16-Jan-10	52.2	0.6	2,100	3,545	
15-Sep-09	27.8	0.7	1,150	3,425	
3-Jun-09	38.3	0.8	70	4,300	
14-Mar-09	36.5	0.3	1,300	3,800	



**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
624-07	28-Feb-19	Dry			
	20-Nov-18	Dry			
	29-Aug-18	Dry			
	22-May-18	Dry			
	14-Feb-18	Dry			
	14-Nov-17	Dry			
	15-Aug-17	Not Sampled - insufficient water to sample			
	23-May-17	Not Sampled - insufficient water to sample			
	22-Feb-17	Not Sampled - insufficient water to sample			
	14-Nov-16	Not Sampled - insufficient water to sample			
	19-Aug-16	Not Sampled - insufficient water to sample			
	19-May-16	Not Sampled - insufficient water to sample			
	16-Feb-16	Dry			
	10-Nov-15	Not Sampled - insufficient water to sample			
	7-Aug-15	Not Sampled - insufficient water to sample			
	19-May-15	Not Sampled - insufficient water to sample			
	12-Feb-15	Not Sampled - insufficient water to sample			
	17-Nov-14	Dry			
	19-Aug-14	Not Sampled - insufficient water to sample			
	20-May-14	Dry			
	26-Feb-14	Not Sampled - insufficient water to sample			
	19-Nov-13	Dry			
	14-Aug-13	Dry			
	13-May-13	Dry			
	14-Feb-13	Dry			
	12-Nov-12	Dry			
	9-Aug-12	Dry			
	30-Apr-12	Dry			
	7-Feb-12	Not Sampled - insufficient water to sample			
	4-Nov-11	Not Sampled - insufficient water to sample			
	3-Aug-11	8.01	<2.17	473	1,600
	27-Apr-11	19.4	3.50	539	2,290
26-Jan-11	14.7	5.60	516	1,900	
21-Sep-10	20.5	<10.0	531	2,200	
27-Jun-10	61	<5.0	880	3,550	
6-Mar-10	43.4	<0.3	1,080	3,825	
16-Jan-10	49.5	0.5	840	3,275	
15-Sep-09	50.1	0.4	960	3,280	
3-Jun-09	75.2	0.8	1,525	4,980	
14-Mar-09	54.3	0.3	1,160	3,580	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
624-08	28-Feb-19				Dry
	20-Nov-18				Dry
	29-Aug-18				Dry
	22-May-18				Dry
	14-Feb-18				Dry
	14-Nov-17				Dry
	15-Aug-17				Dry
	23-May-17				Dry
	22-Feb-17				Dry
	14-Nov-16				Dry
	19-Aug-16				Dry
	19-May-16				Dry
	16-Feb-16				Dry
	10-Nov-15				Dry
	7-Aug-15				Dry
	19-May-15				Dry
	12-Feb-15				Dry
	18-Nov-14				Dry
	19-Aug-14				Dry
	20-May-14				Dry
	26-Feb-14				Dry
	19-Nov-13				Dry
	14-Aug-13				Dry
	13-May-13				Dry
	14-Feb-13				Dry
	9-Aug-12				Dry
	30-Apr-12				Dry
	7-Feb-12				Dry
	4-Nov-11				Dry
	3-Aug-11				Dry
27-Apr-11	2.45	3.50	200	1,400	
26-Jan-11	1.7	8.12	222	2,940	
21-Sep-10	<2.50	<10.0	197	1,200	
27-Jun-10	2.0	<1.0	220	1,310	
6-Mar-10	0.65	<0.3	280	1,330	
16-Jan-10	0.89	<0.3	240	1,215	
15-Sep-09	2.3	0.3	200	1,205	
3-Jun-09	1.7	0.7	210	1,280	
14-Mar-09	1.8	<0.2	205	1,165	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
<b>Gonzalez</b>					
177-01	27-Feb-19	17	<2.0	1,600	4,290
	15-Nov-18	19	<2.0	1,500	4,250
	21-Aug-18	17	<2.0	1,400	4,350
	22-May-18	19	<2.0	1,500	4,260
	14-Feb-18	18	<2.0	1,600	4,310
	10-Nov-17	16.2	0.750	1,400	4,130
	14-Aug-17	20.2	1.21	1,400	4,220
	22-May-17	22.5	<0.0501	1,370	4,200
	22-Feb-17	24.0	<0.0501	1,380	4,330
	10-Nov-16	23.7	<0.937	1,380	4,090
	23-Aug-16	23.4	<0.937	1,420	4,030
	20-May-16	25.6	4.04	1,370	4,400
	11-Feb-16	28.9	1.68	1,400	4,100
	11-Nov-15	30.3	<1.18	1,370	4,260
	21-Aug-15	12.0	1.40	1,410	4,220
	13-May-15	30.4	<1.18	1,370	4,160
	11-Feb-15	33.5	<1.80	1,190	4,160
	13-Nov-14	34.6	<1.80	1,330	3,780
	18-Aug-14	30.5	2.80	1,100	3,780
	16-May-14	33.8	<1.80	1,380	3,840
	21-Feb-14	33.7	<1.66	1,310	3,870
	18-Nov-13	33.2	2.80	1,330	3,740
	13-Aug-13	32.2	4.20	1,370	3,850
	15-May-13	31.6	<1.66	1,300	3,940
	19-Feb-13	28.4	<1.72	1,310	3,930
	13-Nov-12	27.7	<1.72	1,190	3,780
	13-Aug-12	27.3	2.52	1,160	3,790
	26-Apr-12	28.5	<1.72	1,460	3,500
	6-Feb-12	28.1	<2.17	1,180	3,650
	3-Nov-11	27.4	2.66	1,170	3,790
	2-Aug-11	26.0	2.24	1,200	4,000
	4-May-11	26.6	<2.17	1,160	4,020
25-Jan-11	23.3	4.06	1,160	3,540	
20-Sep-10	17.6	12.7	1,120	3,480	
29-Jun-10	34	<1.0	1,200	3,660	
28-Apr-10	31	<5.0	1,200	3,680	
20-Jan-10	32	<5.0	1,200	3,640	
21-Oct-09	35	<5.0	1,100	3,700	
7-Jul-09	35	<5.0	1,400	3,700	
6-May-09	34	<5.0	1,300	3,700	
22-Jan-09	33	<5.0	1,300	3,700	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
177-02	27-Feb-19	15	<2.0	580	2,380
	15-Nov-18	7.3	<1.0	280	1,590
	21-Aug-18	15	2.2	590	2,480
	22-May-18	4.7	<1.0	200	1,460
	14-Feb-18	7.4	<1.0	330	1,940
	10-Nov-17	7.89	0.901	247	1,820
	14-Aug-17	24.5	<0.0500	1,050	3,300
	22-May-17	27.4	<0.0501	1,010	3,090
	22-Feb-17	25.0	0.389	911	2,960
	10-Nov-16	20.4	1.14	894	2,800
	23-Aug-16	21.9	<0.937	967	2,980
	20-May-16	22.1	<2.24	798	3,040
	11-Feb-16	24.4	<1.18	847	2,820
	11-Nov-15	20.3	<1.18	824	2,800
	21-Aug-15	18.2	<1.18	797	2,840
	13-May-15	17.3	1.40	923	2,980
	12-Feb-15	17.5	<1.80	835	3,160
	14-Nov-14	16.3	<1.80	931	2,930
	18-Aug-14	17.1	<1.80	864	2,810
	16-May-14	43.0	<1.80	803	2,980
	21-Feb-14	67.9	<1.66	725	3,180
	18-Nov-13	111	2.80	682	3,150
	13-Aug-13	30.7	4.20	794	3,020
	15-May-13	27.6	<1.66	910	3,000
	19-Feb-13	29.3	<1.72	902	3,100
	13-Nov-12	35.8	<1.72	870	3,320
	13-Aug-12	47.4	7.70	899	3,650
	26-Apr-12	36.0	<1.72	881	2,960
	6-Feb-12	37.0	<2.17	958	3,320
	3-Nov-11	32.7	<2.17	971	3,450
	3-Aug-11	34.4	2.80	997	3,340
	4-May-11	38.1	2.52	1,050	3,580
	25-Jan-11	31.6	3.36	1,050	3,640
20-Sep-10	78.0	<10.0	964	3,630	
29-Jun-10	58	<1.0	1,000	3,830	
28-Apr-10	60	<5.0	1,100	3,860	
20-Jan-10	59	<5.0	1,200	4,020	
21-Oct-09	50	<5.0	1,200	4,000	
7-Jul-09	56	<5.0	1,300	4,000	
6-May-09	52	<5.0	1,200	4,000	
22-Jan-09	72	<5.0	1,300	4,000	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
177-03A	27-Feb-19	14	<2.0	680	2,770
	20-Nov-18	12	<2.0	590	2,700
	21-Aug-18	2.9	<1.0	400	1,800
	22-May-18	13	<2.0	700	2,650
	15-Feb-18	3.70	<1.0	510	1,770
	10-Nov-17	2.76	2.29	455	2,010
	15-Aug-17	8.78	1.58	526	2,860
	22-May-17	7.50	0.362	601	2,440
	23-Feb-17	7.69	<0.0501	693	2,670
	11-Nov-16	7.30	<0.937	333	2,540
	24-Aug-16	14.9	<0.937	1,130	3,990
	20-May-16	5.41	<2.24	768	2,620
	12-Feb-16	16.9	<1.18	1,270	4,220
	11-Nov-15	5.67	<1.18	821	2,760
	21-Aug-15	6.35	<1.18	745	2,600
	14-May-15	9.94	<1.18	871	2,900
	11-Feb-15	17.7	<1.80	1,020	3,880
	13-Nov-14	0.993	<1.80	486	1,780
	19-Aug-14	10.9	<1.80	859	2,720
	19-May-14	11.4	<1.80	950	3,220
	24-Feb-14	15.6	2.10	1,160	3,900
	18-Nov-13	14.3	2.10	1,150	3,490
	13-Aug-13	17.1	2.80	1,230	4,120
	15-May-13	16.0	<1.66	1,150	3,530
	18-Feb-13	15.5	<1.72	1,290	3,900
	13-Nov-12	12.2	<1.72	1,150	3,900
	13-Aug-12	7.86	<1.72	835	2,810
26-Apr-12	1.16	<1.72	378	1,430	
6-Feb-12	2.00	<2.17	452	1,580	
4-Nov-11	<0.500	3.50	436	1,850	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
177-04	27-Feb-19	16	<2.0	930	3,370
	20-Nov-18	15	<2.0	880	3,400
	21-Aug-18	15	<2.0	810	3,450
	22-May-18	16	<2.0	900	3,590
	15-Feb-18	16	<2.0	1,000	3,640
	10-Nov-17	16.2	2.46	983	3,390
	16-Aug-17	17.0	<0.0500	1,090	3,700
	22-May-17	16.4	0.921	1,130	3,880
	23-Feb-17	18.0	<0.0501	1,140	3,810
	11-Nov-16	14.8	<0.937	1,040	4,020
	24-Aug-16	14.5	<0.937	647	4,220
	23-May-16	0.329	<2.24	378	1,440
	12-Feb-16	49.8	<1.18	1,070	4,080
	11-Nov-15	19.3	7.28	1,360	4,080
	21-Aug-15	7.50	<1.18	1,420	4,040
	14-May-15	19.4	<1.18	1,330	3,910
	12-Feb-15	18.7	<1.80	1,110	3,730
	13-Nov-14	22.5	<1.80	1,190	3,680
	19-Aug-14	18.2	<1.80	1,150	3,830
	19-May-14	17.5	<1.80	1,320	3,970
	24-Feb-14	17.6	<1.66	1,290	4,020
	18-Nov-13	23.0	2.80	1,260	3,850
	13-Aug-13	19.1	2.10	1,270	3,530
	15-May-13	19.4	<1.66	1,110	3,600
	18-Feb-13	20.5	<1.72	1,120	3,450
	13-Nov-12	22.3	<1.72	1,070	3,630
	13-Aug-12	19.7	<1.72	1,000	3,720
	26-Apr-12	21.7	<1.72	1,050	3,480
	2-Feb-12	22.5	<2.17	1,100	3,650
	3-Nov-11	27.5	<2.17	1,100	3,500
	2-Aug-11	21.6	<2.17	1,080	3,670
	4-May-11	21.2	3.64	1,100	3,740
	25-Jan-11	17.5	2.38	1,150	3,760
20-Sep-10	4.83	<10.0	1,180	4,030	
29-Jun-10	26	<1.0	1,200	4,010	
28-Apr-10	26	<5.0	1,300	4,090	
20-Jan-10	27	<5.0	1,400	4,090	
21-Oct-09	29	<5.0	1,400	4,100	
7-Jul-09	32	<5.0	1,400	3,990	
6-May-09	32	<5.0	1,300	3,800	
22-Jan-09	26	<5.0	1,200	1,700	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
177-05	27-Feb-19	24	<5.0	1,400	4,090
	20-Nov-18	27	<5.0	1,300	4,020
	21-Aug-18	28	<5.0	1,300	4,260
	22-May-18	32	<5.0	1,300	4,240
	15-Feb-18	33	<5.0	1,600	4,380
	10-Nov-17	30.8	0.112	1,350	4,100
	15-Aug-17	36.2	0.605	1,450	4,490
	22-May-17	31.2	0.621	1,390	4,250
	23-Feb-17	50.2	<0.0501	1,170	3,550
	11-Nov-16	27.4	<0.937	1,170	3,900
	24-Aug-16	25.4	<0.937	1,340	3,930
	20-May-16	27.4	<2.24	1,290	4,030
	12-Feb-16	17.8	3.36	1,380	3,330
	11-Nov-15	30.8	7.28	1,230	3,840
	21-Aug-15	34.0	<1.18	1,300	3,920
	13-May-15	46.5	<1.18	1,110	3,440
	11-Feb-15	36.8	<1.80	1,250	4,060
	13-Nov-14	56.1	<1.80	1,110	3,260
	19-Aug-14	18.1	<1.80	1,680	4,800
	19-May-14	35.7	<1.80	1,400	4,000
	24-Feb-14	26.6	<1.66	1,600	4,460
	18-Nov-13	33.5	2.10	1,580	4,360
	13-Aug-13	30.5	2.80	1,640	4,420
	15-May-13	29.8	<1.66	1,510	4,160
	18-Feb-13	32.6	<1.72	1,430	3,900
	13-Nov-12	37.1	<1.72	1,240	4,050
	13-Aug-12	37.6	2.66	1,390	4,360
	26-Apr-12	47.1	<1.72	1,090	3,440
	2-Feb-12	42.2	<2.17	1,170	3,590
	3-Nov-11	30.6	<2.17	1,190	3,060
	2-Aug-11	36.3	<2.17	1,120	3,420
	4-May-11	40.6	5.60	1,090	3,500
	25-Jan-11	39.2	2.10	1,060	3,240
	20-Sep-10	7.39	<10.0	1,050	3,500
29-Jun-10	39	<1.0	1,100	3,470	
28-Apr-10	40	<5.0	1,200	3,460	
20-Jan-10	43	<5.0	1,100	3,330	
21-Oct-09	50	<5.0	1,100	3,300	
7-Jul-09	38	<5.0	1,200	3,270	
6-May-09	40	<5.0	1,100	3,100	
22-Jan-09	40	<5.0	1,100	3,000	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	
177-06	27-Feb-19	Dry				
	20-Nov-18	Dry				
	21-Aug-18	Dry				
	22-May-18	Dry				
	15-Feb-18	Dry				
	10-Nov-17	Dry				
	14-Aug-17	Dry				
	22-May-17	Dry				
	23-Feb-17	Dry				
	11-Nov-16	Dry				
	24-Aug-16	Dry				
	23-May-16	Dry				
	12-Feb-16	Dry				
	11-Nov-15	Dry				
	21-Aug-15	Dry				
	13-May-15	Dry				
	11-Feb-15	Dry				
	13-Nov-14	Dry				
	13-Aug-14	Dry				
	13-Aug-14	Dry				
	19-May-14	Dry				
	24-Feb-14	Dry				
	21-Nov-13	24.1	14.0	1,080	3,110	
	18-Nov-13	Not Sampled - insufficient water to sample				
	13-Aug-13	Not Sampled - insufficient water to sample				
	15-May-13	Not Sampled - insufficient water to sample				
	18-Feb-13	17.4	<1.72	963	3,000	
	13-Nov-12	16.1	<1.72	918	3,020	
	26-Apr-12	Dry				
	2-Feb-12	16.1	4.76	934	2,940	
	7-Dec-11	15.1	<2.17	892	2,760	
	2-Aug-11	16.1	<2.17	910	3,020	
	4-May-11	17.2	4.90	955	2,930	
25-Jan-11	19.2	<2.05	923	2,740		
20-Sep-10	<2.50	<10.0	890	2,880		
29-Jun-10	23	<1.0	940	2,960		
28-Apr-10	21	<5.0	980	2,960		
20-Jan-10	26	<5.0	1,000	2,910		
21-Oct-09	25	<5.0	980	2,900		
7-Jul-09	25	<5.0	1,000	2,850		
6-May-09	25	<5.0	1,000	2,800		
22-Jan-09	23	<5.0	960	2,800		



**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
177-07	15-Mar-03	44.4	1.5	1,205	4,007
177-07R	27-Feb-19	25	<5.0	860	3,110
	20-Nov-18	25	<5.0	840	3,170
	21-Aug-18	26	<5.0	920	3,380
	22-May-18	28	<5.0	1,000	3,490
	14-Feb-18	28	<5.0	1,000	3,500
	10-Nov-17	30.2	<0.0500	1,070	3,330
	14-Aug-17	32.6	<0.0500	1,100	3,680
	22-May-17	29.5	<0.0501	1,080	3,680
	23-Feb-17	38.5	<0.0501	1,070	3,550
	11-Nov-16	35.2	<0.937	1,020	3,560
	23-Aug-16	40.0	<0.937	2,250	3,650
	23-May-16	42.1	<2.24	1,040	3,580
	11-Feb-16	39.5	<1.18	1,100	3,600
	11-Nov-15	37.1	12.9	1,110	3,480
	21-Aug-15	35.0	<1.18	1,170	3,600
	14-May-15	45.1	<1.18	1,130	3,580
	12-Feb-15	46.9	<1.80	1,070	3,510
	14-Nov-14	45.3	<1.80	1,070	3,250
	19-Aug-14	28.2	<1.80	980	3,120
	19-May-14	22.7	2.10	895	2,910
	24-Feb-14	22.7	<1.66	903	3,080
	18-Nov-13	21.5	2.10	911	3,060
	13-Aug-13	30.3	2.80	1,010	3,540
15-May-13	29.2	<1.66	1,000	3,420	
19-Feb-13	31.0	<1.72	976	3,360	
13-Nov-12	31.0	<1.72	1,040	3,570	
13-Aug-12	26.5	<1.72	1,040	3,670	
26-Apr-12	22.8	<1.72	1,010	2,690	
6-Feb-12	28.5	5.60	1,060	2,730	
4-Nov-11	29.3	2.66	1,050	2,830	
3-Aug-11	25.2	2.80	1,050	3,250	
7-Apr-11	21.4	2.52	1,070	8,660	
<b>NMWQCC Standard</b>		<b>10</b>	<b>NA</b>	<b>250</b>	<b>1,000</b>
<b>Existing Conditions</b>		<b>NA</b>	<b>NA</b>	<b>1,015</b>	<b>3,178</b>

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	
<b>Central Area</b>						
<b>Buena Vista Dairy II</b>						
74-01	28-Feb-19	52	<5.0	930	3,460	
	16-Nov-18	65	<5.0	1,100	3,820	
	29-Aug-18	64	<5.0	1,100	3,000	
	23-May-18	34	<5.0	790	3,140	
	19-Feb-18	49	<5.0	960	3,290	
	14-Nov-17	41.5	<0.0500	871	3,100	
	16-Aug-17	56.7	<0.0500	1,030	3,590	
	26-May-17	26.2	<0.0501	756	2,810	
	24-Feb-17	35.2	<0.300	799	3,060	
	14-Nov-16	46.8	<0.937	702	3,360	
	24-Aug-16	60.2	<0.937	1,000	3,690	
	25-May-16	51.1	<2.24	739	3,060	
	18-Feb-16	32.1	<1.18	763	2,840	
	12-Nov-15	15.9	12.3	725	2,630	
	24-Aug-15	67.4	<1.18	902	3,360	
	19-May-15	59.2	2.80	784	3,060	
	13-Feb-15	59.9	<1.80	812	3,160	
	19-Nov-14	23.9	<1.80	891	2,930	
	20-Aug-14	76.2	<1.80	866	3,480	
	20-May-14	62.6	2.10	816	3,080	
	3-Mar-14	57.2	2.10	855	3,200	
	19-Nov-13	63.6	4.20	898	3,210	
	21-Aug-13	63.9	2.80	829	3,180	
	16-May-13	72.3	<1.66	816	3,090	
	19-Feb-13	59.1	<1.72	840	3,140	
	14-Nov-12	94.2	8.40	963	3,510	
	10-Aug-12	78.6	3.50	922	2,150	
	3-May-12	65.3	<1.72	778	3,265	
	8-Feb-12	Not Sampled				
	3-Nov-11	64.6	<2.17	811	2,830	
	1-Aug-11	73.2	<2.17	770	3,040	
	26-Apr-11	67.8	<2.17	730	3,300	
	25-Jan-11	41.7	13.0	738	2,960	
17-Sep-10	36.7	<10.0	695	2,760		
29-Jun-10	74	<1.0	850	3,350		
24-Mar-10	70	ND	840	3,070		
14-Dec-09	84	0.14	750	2,480		
1-Sep-09	92	ND	730	2,914		
2-Jun-09	33.2	ND	650	2,632		
3-Mar-09	43.8	ND	735	2,666		

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
74-02	28-Feb-19	36	<5.0	560	2,400
	15-Nov-18	31	<5.0	550	2,230
	23-Aug-18	27	<5.0	490	2,220
	23-May-18	33	<5.0	560	2,360
	15-Feb-18	26	<5.0	640	2,260
	14-Nov-17	23.5	<0.0500	521	2,110
	15-Aug-17	23.5	<0.0500	539	2,100
	25-May-17	25.6	<0.0501	548	2,470
	24-Feb-17	33.4	<0.300	587	2,240
	14-Nov-16	34.4	7.95	603	2,440
	24-Aug-16	37.6	<0.937	581	2,480
	25-May-16	40.7	<2.24	593	2,480
	18-Feb-16	29.9	<1.18	592	2,420
	11-Nov-15	22.5	14.0	562	2,120
	24-Aug-15	26.1	<1.18	566	2,270
	19-May-15	20.7	1.40	527	2,180
	13-Feb-15	23.5	<1.80	519	2,300
	19-Nov-14	28.6	<1.80	572	2,230
	20-Aug-14	29.8	<1.80	567	2,360
	20-May-14	25.7	2.10	579	2,230
	3-Mar-14	24.7	<1.66	588	2,260
	20-Nov-13	28.8	2.10	625	2,340
	21-Aug-13	20.0	2.80	564	2,220
	16-May-13	15.5	<1.66	549	2,120
	19-Feb-13	13.9	<1.72	525	1,900
	14-Nov-12	12.7	2.10	484	2,150
	10-Aug-12	14.0	2.10	532	2,060
	3-May-12	16.4	<1.72	495	1,980
	8-Feb-12	15.2	5.46	519	2,150
	3-Nov-11	26.3	<2.17	558	2,510
	29-Jul-11	52.8	2.24	630	2,710
	26-Apr-11	93.2	<2.17	831	3,610
25-Jan-11	65.7	2.80	824	3,670	
17-Sep-10	30.6	<10.0	665	2,400	
29-Jun-10	45	<1.0	730	2,780	
24-Mar-10	20.6	ND	810	2,612	
14-Dec-09	14.6	0.14	770	2,452	
1-Sep-09	17.3	0.7	760	2,474	
2-Jun-09	17.6	0.84	820	4,866	
3-Mar-09	45.1	ND	1,265	4,556	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
74-03	28-Feb-19	<1.0	<1.0	250	1,550
	15-Nov-18	1.0	<1.0	300	1,760
	23-Aug-18	1.2	<1.0	360	1,900
	23-May-18	1.4	<1.0	430	2,000
	15-Feb-18	1.4	<1.0	530	2,100
	14-Nov-17	1.21	0.0626	548	2,340
	15-Aug-17	0.187	1.35	514	2,150
	25-May-17	0.941	0.187	641	2,640
	24-Feb-17	0.209	<0.300	668	2,520
	14-Nov-16	1.25	<0.937	654	2,500
	24-Aug-16	3.36	2.27	728	2,590
	25-May-16	0.646	<2.24	693	2,780
	18-Feb-16	<0.194	<1.18	804	2,920
	12-Nov-15	<0.194	3.36	1,000	3,480
	24-Aug-15	<0.194	<1.18	1,190	3,960
	19-May-15	1.02	1.40	1,310	4,300
	13-Feb-15	1.07	<1.80	1,260	4,330
	19-Nov-14	2.06	<1.80	1,380	4,390
	20-Aug-14	2.77	<1.80	1,240	4,380
	20-May-14	3.51	2.10	1,230	4,000
	3-Mar-14	5.75	<1.66	1,220	4,140
	20-Nov-13	10.7	2.80	1,200	4,070
	21-Aug-13	5.62	3.50	1,230	4,100
	16-May-13	7.88	<1.66	1,160	3,920
	19-Feb-13	2.81	<1.72	1,250	4,480
	14-Nov-12	1.06	<1.72	1,300	4,440
	10-Aug-12	2.25	<1.72	1,450	4,900
	3-May-12	9.92	<1.72	1,330	3,920
	8-Feb-12	11.0	<2.17	1,420	4,170
	3-Nov-11	27.6	<2.17	1,420	4,730
	1-Aug-11	15.0	<2.17	1,450	4,870
	26-Apr-11	4.17	<2.17	1,480	4,690
25-Jan-11	2.02	<2.17	1,460	4,960	
20-Sep-10	21.3	<10.0	1,490	4,840	
29-Jun-10	1.5	<1.0	1,400	4,630	
24-Mar-10	6.1	ND	1,530	4,400	
14-Dec-09	14.1	ND	1,550	4,560	
1-Sep-09	18.9	ND	1,630	4,734	
2-Jun-09	2.9	ND	1,590	1,782	
3-Mar-09	2.65	ND	1,510	4,664	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
74-04	1-Mar-19	12	<2.0	600	2,140
	16-Nov-18	12	<2.0	620	2,140
	31-Aug-18	12	<2.0	590	2,140
	23-May-18	12	<2.0	580	2,060
	19-Feb-18	9.2	<1.0	500	1,960
	14-Nov-17	10.6	<0.0500	532	1,840
	16-Aug-17	11.6	<0.0500	569	2,020
	26-May-17	18.6	<0.0501	516	1,910
	24-Feb-17	11.5	<0.300	555	1,920
	15-Nov-16	11.3	1.14	551	2,070
	25-Aug-16	13.1	<0.937	596	2,060
	25-May-16	20.0	<2.24	530	2,060
	18-Feb-16	12.9	<1.18	582	2,010
	12-Nov-15	13.5	2.24	584	2,040
	24-Aug-15	21.7	<1.18	576	2,120
	20-May-15	22.4	<1.18	524	1,900
	16-Feb-15	13.4	2.10	491	1,520
	20-Nov-14	14.7	<1.80	538	2,140
	21-Aug-14	16.3	<1.80	556	2,060
	21-May-14	20.1	<1.80	537	1,880
	3-Mar-14	18.1	<1.66	565	2,080
	19-Nov-13	17.3	2.10	570	1,910
	22-Aug-13	16.4	3.50	560	2,160
	16-May-13	17.6	<1.66	502	1,890
	20-Feb-13	18.5	<1.72	499	1,960
	14-Nov-12	19.3	<1.72	499	2,140
	10-Aug-12	18.8	<1.72	477	1,920
	3-May-12	33.6	<1.72	436	1,800
	8-Feb-12	31.6	<2.17	473	2,020
	3-Nov-11	13.4	<2.17	439	1,080
	29-Jul-11	15.3	<2.17	438	1,580
	26-Apr-11	12.8	<2.17	451	1,820
25-Jan-11	6.50	<2.17	434	1,810	
20-Sep-10	10.6	<10.0	441	1,640	
29-Jun-10	15	<1.0	500	1,840	
24-Mar-10	11.4	0.28	570	1,792	
14-Dec-09	11.5	ND	560	1,738	
1-Sep-09	19.3	ND	550	1,792	
2-Jun-09	7.2	ND	570	2,024	
3-Mar-09	20.3	ND	530	1,884	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
74-05	1-Mar-19	15	<2.0	590	2,140
	16-Nov-18	14	<2.0	560	2,070
	29-Aug-18	14	<2.0	560	2,890
	23-May-18	14	<2.0	580	2,110
	19-Feb-18	14	<2.0	570	2,100
	14-Nov-17	12.0	<0.0500	539	1,860
	16-Aug-17	12.7	<0.0500	561	1,950
	26-May-17	13.4	<0.0501	590	2,140
	24-Feb-17	12.8	<0.300	568	2,080
	15-Nov-16	12.0	<0.937	560	2,020
	25-Aug-16	14.7	<0.937	455	2,040
	25-May-16	15.6	<2.24	533	2,010
	18-Feb-16	15.3	2.24	569	2,040
	12-Nov-15	15.4	<1.18	561	2,020
	24-Aug-15	22.7	<1.18	505	2,040
	20-May-15	20.0	<1.18	495	1,960
	16-Feb-15	16.9	<1.80	504	1,840
	20-Nov-14	17.3	<1.80	493	1,890
	21-Aug-14	18.8	<1.8	464	1,880
	21-May-14	19.8	<1.80	452	1,860
	25-Feb-14	18.3	<1.66	506	1,960
	19-Nov-13	18.4	<1.66	493	1,840
	22-Aug-13	18.8	4.2	497	1,980
	16-May-13	17.5	<1.66	469	1,860
	20-Feb-13	17.8	<1.72	470	1,870
	14-Nov-12	17.0	<1.72	219	1,900
	10-Aug-12	18.0	<1.72	463	1,800
	3-May-12	18.0	<1.72	421	1,900
	8-Feb-12	17.4	<2.17	442	1,960
	3-Nov-11	17.9	<2.17	442	960
	29-Jul-11	23.3	<2.17	449	2,000
	26-Apr-11	21.5	<2.17	446	1,900
	25-Jan-11	16.5	<2.17	446	1,940
17-Sep-10	17.6	<10.0	439	1,880	
29-Jun-10	32	<1.0	520	2,070	
24-Mar-10	23.2	ND	620	1,960	
14-Dec-09	15.9	ND	600	1,924	
1-Sep-09	25.2	ND	540	1,964	
2-Jun-09	10.8	ND	560	2,068	
3-Mar-09	33.2	ND	535	2,038	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	
<b>Big Sky Dairy</b>						
833-01	5-Aug-17	Plugged and Abandoned				
	31-May-17	Dry				
	1-Mar-17	Dry				
	17-Nov-16	Dry				
	29-Aug-16	Dry				
	27-May-16	Dry				
	22-Feb-16	Dry				
	18-Nov-15	Dry				
	27-Aug-15	Dry				
	21-May-15	Dry				
	25-Feb-15	Dry				
	25-Nov-14	Dry				
	25-Aug-14	Dry				
	27-May-14	Dry				
	4-Mar-14	Dry				
	6-Nov-13	Dry				
	29-Aug-13	Dry				
	21-May-13	Dry				
	26-Feb-13	Dry				
	19-Nov-12	Dry				
	15-Aug-12	Dry				
	7-May-12	Dry				
	15-Feb-12	Dry				
	1-Nov-11	Dry				
	21-Jul-11	Dry				
	29-Apr-11	Not Sampled - insufficient water to sample				
	24-Jan-11	33.6	4.20	997	3,100	
23-Sep-10	29.1	<10.0	881	3,300		
28-Jun-10	1.7	1.8	180	790		
23-Mar-10	28.3	0.7	1,025	2,640		
14-Dec-09	21.8	ND	975	2,800		
31-Aug-09	15.3	ND	999	2,894		
1-Jun-09	8.6	ND	1,030	2,382		
2-Mar-09	37.1	ND	1,070	3,750		

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
833-02	4-Mar-19	66	<5.0	1,300	4,180
	26-Nov-18	62	<5.0	1,300	4,240
	31-Aug-18	67	<5.0	1,300	4,190
	29-May-18	63	<5.0	1,300	4,210
	21-Feb-18	65	<5.0	1,200	4,240
	16-Nov-17	66.4	<0.0500	1,300	3,730
	1-Sep-17	90.2	<0.0500	977	3,140
	30-May-17	71.2	<0.0501	1,340	4,380
	28-Feb-17	62.3	<0.300	1,240	4,290
	18-Nov-16	68.5	<0.937	1,340	4,210
	29-Aug-16	69.5	<0.937	1,360	4,360
	31-May-16	79.9	<2.24	1,400	4,440
	22-Feb-16	48.0	<1.18	796	2,400
	18-Nov-15	74.5	4.48	1,300	4,240
	27-Aug-15	44.5	2.80	720	2,250
	22-May-15	34.5	<1.18	702	2,140
	25-Feb-15	50.9	<1.80	780	2,820
	25-Nov-14	60.4	<1.80	1,010	3,480
	25-Aug-14	24.8	<1.80	528	2,090
	27-May-14	27.0	2.10	563	2,140
	5-Mar-14	79.8	<1.66	1,120	3,920
	20-Nov-13	65.4	2.10	884	3,060
	5-Sep-13	85.8	69.3	1,080	4,270
	21-May-13	69.2	<1.66	858	3,140
	25-Feb-13	97.0	<1.72	1,110	3,820
	19-Nov-12	84.3	2.10	1,030	4,020
	15-Aug-12	37.5	2.94	535	2,440
	7-May-12	43.3	65.1	635	2,420
	15-Feb-12	87.2	4.34	889	3,660
	1-Nov-11	82.3	2.38	885	4,010
	21-Jul-11	91.6	3.08	880	3,510
	29-Apr-11	81.6	6.02	840	3,500
24-Jan-11	69.3	2.66	789	3,090	
23-Sep-10	52.9	<10.0	833	3,650	
28-Jun-10	29	<5.0	560	2,200	
23-Mar-10	15.9	ND	660	2,066	
14-Dec-09	11.5	0.28	650	2,018	
31-Aug-09	12.4	ND	660	2,170	
1-Jun-09	<0.5	ND	650	3,358	
2-Mar-09	3.54	13.44	585	1,978	



**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
833-03	5-Aug-17	Plugged and Abandoned			
	30-May-17	Dry			
	1-Mar-17	Dry			
	17-Nov-16	Dry			
	29-Aug-16	Dry			
	27-May-16	Dry			
	22-Feb-16	Dry			
	18-Nov-15	Dry			
	27-Aug-15	Dry			
	21-May-15	Dry			
	25-Feb-15	Dry			
	24-Nov-14	Dry			
	25-Aug-14	Dry			
	27-May-14	Dry			
	3-Mar-14	Dry			
	6-Nov-13	Dry			
	29-Aug-13	Dry			
	21-May-13	Dry			
	25-Feb-13	Dry			
	19-Nov-12	Dry			
	15-Aug-12	Dry			
	3-May-12	Dry			
	15-Feb-12	Dry			
	1-Nov-11	Dry			
	21-Jul-11	Dry			
	4-May-11	24.8	4.20	1,660	4,120
	24-Jan-11	30.4	2.66	1,650	4,090
23-Sep-10	18.1	<10.0	1,410	3,880	
28-Jun-10	5.0	5.5	650	1,870	
23-Mar-10	14.0	ND	1,750	4,044	
14-Dec-09	11.8	0.28	1,839	4,280	
31-Aug-09	8.9	ND	1,760	4,216	
1-Jun-09	90.4	ND	1,620	3,060	
2-Mar-09	21.2	ND	1,580	3,970	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
833-04	4-Mar-19	31	<5.0	830	2,900
	26-Nov-18	42	<5.0	950	3,230
	4-Sep-18	40	<5.0	960	3,190
	24-May-18	34	<5.0	910	3,010
	20-Feb-18	20	<5.0	680	2,390
	20-Nov-17	32.6	<0.300	902	2,930
	31-Aug-17	37.3	<0.0500	797	2,640
	30-May-17	32.0	<0.0501	880	3,000
	1-Mar-17	31.5	<0.300	866	3,080
	18-Nov-16	39.8	<0.937	586	3,300
	29-Aug-16	40.6	<0.937	977	3,160
	27-May-16	21.6	<2.24	781	2,660
	22-Feb-16	12.7	<1.18	746	2,130
	19-Nov-15	11.8	3.36	762	2,310
	27-Aug-15	26.2	<1.18	835	2,580
	22-May-15	15.6	<1.18	766	2,290
	25-Feb-15	15.5	<1.80	666	2,260
	25-Nov-14	46.6	<1.80	914	3,280
	22-Aug-14	10.4	<1.80	677	2,230
	29-May-14	23.5	5.60	780	2,670
	4-Mar-14	50.0	<1.66	1,010	3,530
	20-Nov-13	12.8	2.10	711	2,280
	30-Aug-13	37.9	2.80	868	3,260
	21-May-13	41.9	<1.66	875	3,180
	25-Feb-13	2.45	<1.72	1,050	3,600
	19-Nov-12	50.0	<1.72	1,010	3,770
	15-Aug-12	32.7	2.66	783	2,680
	3-May-12	24.1	<1.72	623	2,920
	15-Feb-12	49.9	<2.17	942	3,320
	1-Nov-11	43.4	<2.17	867	3,040
	21-Jul-11	45.3	2.52	883	3,410
	29-Apr-11	46.2	<2.17	902	3,280
24-Jan-11	40.9	<2.05	755	3,040	
24-Sep-10	<50.0	<10.0	915	3,480	
28-Jun-10	18	<2.0	500	1,830	
23-Mar-10	11.3	ND	560	1,648	
14-Dec-09	11.2	0.42	570	1,750	
31-Aug-09	16.1	ND	630	1,986	
1-Jun-09	3.03	ND	580	1,968	
2-Mar-09	14.6	ND	600	1,884	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
833-05	5-Mar-19	46	<5.0	1,200	3,520
	26-Nov-18	45	<5.0	1,200	3,530
	31-Aug-18	35	<5.0	1,300	3,530
	24-May-18	46	<5.0	1,100	3,350
	22-Feb-18	42	<5.0	1,200	3,530
	17-Nov-17	51.7	<0.0500	931	3,330
	31-Aug-17	42.5	<0.0500	1,220	3,350
	31-May-17	25.9	<0.0501	1,260	3,540
	1-Mar-17	20.9	<0.300	1,290	3,320
	17-Nov-16	22.4	<0.937	1,330	3,560
	29-Aug-16	21.9	<0.937	1,230	3,560
	26-May-16	20.7	<2.24	1,080	3,120
	19-Feb-16	22.3	<1.18	1,190	3,080
	18-Nov-15	20.9	<1.18	958	2,720
	27-Aug-15	22.1	2.80	833	2,350
	22-May-15	19.7	<1.18	999	2,680
	26-Feb-15	18.7	<1.80	1,050	2,970
	24-Nov-14	19.8	<1.80	992	2,680
	21-Aug-14	21.0	<1.80	752	2,320
	29-May-14	15.6	4.20	1,070	3,130
	4-Mar-14	18.5	<1.66	1,170	3,170
	25-Nov-13	17.8	2.80	1,060	2,900
	29-Aug-13	20.9	20.3	911	2,660
	21-May-13	14.7	<1.66	1,070	2,920
	26-Feb-13	16.8	<1.72	1,270	3,140
	20-Nov-12	15.0	2.10	1,070	3,100
	15-Aug-12	13.9	<1.72	1,100	3,250
	3-May-12	12.8	<1.72	1,030	2,790
	15-Feb-12	14.9	<2.17	1,230	3,100
	1-Nov-11	12.2	2.24	1,150	2,580
	21-Jul-11	12.0	2.66	1,210	3,180
	29-Apr-11	17.6	<2.17	1,330	3,300
24-Jan-11	23.2	2.66	1,340	3,430	
24-Sep-10	28.9	<10.0	1,330	3,800	
28-Jun-10	12	<2.0	1,200	3,090	
23-Mar-10	12.2	ND	1,240	2,942	
14-Dec-09	6.7	0.56	1,280	3,096	
31-Aug-09	9.0	ND	1,220	3,152	
1-Jun-09	3.43	ND	1,230	3,026	
2-Mar-09	11	ND	1,255	3,134	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
833-06	5-Mar-19	47	<5.0	780	2,710
	27-Nov-18	24	<5.0	820	2,660
	4-Sep-18	16	<2.0	670	2,260
	29-May-18	11	<2.0	740	2,260
	22-Feb-18	15	<2.0	820	2,500
	16-Nov-17	16.9	<0.0500	786	2,300
	1-Sep-17	18.5	<0.0500	803	2,470
	31-May-17	39.9	<0.0501	800	2,560
	1-Mar-17	40.4	<0.300	792	2,740
	17-Nov-16	43.2	3.41	809	2,680
	26-Aug-16	32.7	<0.937	660	2,640
	27-May-16	28.8	<2.24	711	2,380
	22-Feb-16	22.0	<1.18	706	2,300
	19-Nov-15	51.1	<1.18	752	2,560
	27-Aug-15	32.3	<1.18	708	2,360
	22-May-15	38.6	<1.18	787	2,470
	24-Feb-15	71.9	<1.80	827	3,080
	25-Nov-14	46.5	<1.80	836	2,710
	21-Aug-14	17.4	<1.80	663	2,300
	29-May-14	26.5	3.50	760	2,460
	4-Mar-14	41.9	<1.66	847	2,800
	21-Nov-13	27.4	3.50	771	2,490
	30-Aug-13	25.3	2.80	656	2,310
	20-May-13	25.9	<1.66	816	2,640
	25-Feb-13	21.6	<1.72	924	2,750
	19-Nov-12	24.2	<1.72	920	2,840
	15-Aug-12	23.4	<1.72	845	2,670
	3-May-12	20.7	<1.72	702	2,560
	14-Feb-12	26.4	<2.17	727	2,480
	2-Nov-11	28.8	3.08	688	1,900
	21-Jul-11	70.1	7.70	682	2,650
	4-May-11	36.4	7.70	717	2,440
20-Jan-11	61.0	2.80	738	2,360	
23-Sep-10	64.3	<10.0	761	2,680	
28-Jun-10	23	<5.0	630	2,310	
23-Mar-10	24.8	2.38	700	2,184	
14-Dec-09	22.7	1.68	820	2,344	
31-Aug-09	25.1	1.96	790	2,708	
1-Jun-09	106	ND	680	2,280	
2-Mar-09	66.4	ND	610	2,160	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
833-07	4-Mar-19	65	<5.0	1,100	3,680
	26-Nov-18	70	<5.0	1,100	3,630
	31-Aug-18	74	<5.0	1,100	3,800
	24-May-18	74	<5.0	1,000	3,670
	22-Feb-18	63	<5.0	1,000	3,760
	17-Nov-17	68.2	<0.0500	808	3,540
	31-Aug-17	78.7	<0.0500	1,050	3,630
	30-May-17	83.3	<0.0501	1,120	4,080
	1-Mar-17	78.0	<0.300	1,140	3,990
	17-Nov-16	85.3	2.27	1,180	4,180
	29-Aug-16	92.2	<0.937	1,230	5,970
	27-May-16	100	<2.24	1,230	4,620
	18-Feb-16	97.4	<1.18	1,260	4,540
	18-Nov-15	91.0	1.68	1,130	4,150
	27-Aug-15	88.9	2.80	1,350	4,700
	22-May-15	76.7	<1.18	1,320	4,460
	25-Feb-15	86.8	<1.80	1,100	4,320
	24-Nov-14	92.5	<1.80	1,190	4,300
	21-Aug-14	83.6	5.60	1,360	4,920
	29-May-14	87.0	4.90	1,380	4,760
	4-Mar-14	73.0	<1.66	1,390	4,420
	21-Nov-13	78.3	2.80	1,330	4,380
	29-Aug-13	78.4	4.90	1,330	4,420
	21-May-13	88.7	<1.66	1,400	4,730
	26-Feb-13	95.5	<1.72	1,470	4,500
	20-Nov-12	95.1	<1.72	1,130	4,290
	15-Aug-12	99.8	2.52	1,540	5,110
	7-May-12	95.6	7.56	1,460	4,880
	15-Feb-12	90.3	<2.17	1,340	4,660
	1-Nov-11	94.2	<2.17	1,090	3,840
	21-Jul-11	105	<2.17	115	4,090
	29-Apr-11	100	<2.17	1,220	4,380
	24-Jan-11	100	2.10	1,140	4,350
24-Sep-10	129	<10.0	933	3,800	
28-Jun-10	69	<5.0	1,300	4,160	
23-Mar-10	106	ND	1,320	3,884	
14-Dec-09	101	0.42	1,260	3,988	
31-Aug-09	74	8.68	1,180	3,978	
1-Jun-09	12.4	8.68	1,180	3,964	
2-Mar-09	33.2	ND	1,380	3,866	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
833-08	5-Mar-19	48	<5.0	890	3,040
	27-Nov-18	47	<5.0	860	2,950
	4-Sep-18	46	<5.0	830	2,820
	24-May-18	52	<5.0	840	2,980
	22-Feb-18	48	<5.0	890	3,030
	17-Nov-17	54.3	<0.0500	631	2,970
	1-Sep-17	52.3	<0.0500	917	3,250
	31-May-17	67.6	<0.0501	984	3,230
	1-Mar-17	70.3	<0.300	960	3,350
	18-Nov-16	48.3	<0.937	1,020	3,720
	29-Aug-16	25.6	<0.937	1,150	3,310
	27-May-16	46.5	5.19	1,010	3,080
	19-Feb-16	52.9	<1.18	1,140	3,020
	18-Nov-15	56.9	<1.18	533	2,010
	27-Aug-15	55.7	<1.18	569	2,360
	21-May-15	66.4	<1.18	620	2,460
	26-Feb-15	65.1	<1.80	981	3,340
	24-Nov-14	63.7	<1.80	1,130	3,320
	22-Aug-14	90.2	<1.80	672	2,900
	27-May-14	91.5	2.10	772	3,030
	4-Mar-14	100	<1.66	807	3,220
	21-Nov-13	86.3	<1.66	827	3,000
	29-Aug-13	79.6	4.90	971	3,300
	21-May-13	80.2	<1.66	953	3,320
	26-Feb-13	83.1	<1.72	877	2,940
	20-Nov-12	60.8	<1.72	1,070	3,580
	15-Aug-12	57.8	2.52	987	3,480
	3-May-12	61.4	<1.72	927	3,040
	15-Feb-12	77.6	<2.17	1,020	3,200
	1-Nov-11	69.8	4.20	966	3,080
	21-Jul-11	68.8	<2.17	963	3,240
	29-Apr-11	75.9	<2.17	950	3,330
	24-Jan-11	93.4	2.10	930	3,190
23-Sep-10	91.8	<10.0	985	3,600	
28-Jun-10	35	<5.0	630	2,290	
23-Mar-10	33	ND	700	2,108	
14-Dec-09	31	ND	950	2,710	
31-Aug-09	63	ND	1,020	3,576	
1-Jun-09	41.4	ND	1,000	3,492	
2-Mar-09	121	ND	700	2,038	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
833-09	4-Mar-19	45	<5.0	760	3,130
	26-Nov-18	42	<5.0	790	3,140
	4-Sep-18	43	<5.0	810	3,140
	24-May-18	43	<5.0	770	3,110
	21-Feb-18	55	<5.0	730	3,200
	16-Nov-17	59.0	<0.0500	1,190	2,740
	31-Aug-17	51.5	<0.0500	701	3,190
	30-May-17	59.2	<0.0501	799	3,410
	28-Feb-17	65.6	<0.300	779	3,440
	17-Nov-16	64.9	2.27	763	3,410
	26-Aug-16	63.3	<0.937	793	3,440
	26-May-16	71.8	<2.24	726	3,510
	19-Feb-16	112	<1.18	942	3,880
	18-Nov-15	109	<1.18	902	3,860
	27-Aug-15	92.6	<1.18	861	3,580
	21-May-15	123	<1.18	957	4,170
	25-Feb-15	136	<1.80	936	4,450
	25-Nov-14	137	<1.80	965	4,260
	22-Aug-14	64.9	<1.80	759	3,240
	27-May-14	85.0	6.30	868	3,790
	5-Mar-14	125	<1.66	998	4,430
	20-Nov-13	137	<1.66	1,060	4,640
	29-Aug-13	82.2	3.50	786	3,860
	22-May-13	78.1	<1.66	786	3,630
	28-Feb-13	101	<1.72	876	4,060
	20-Nov-12	89.6	<1.72	731	3,760
	15-Aug-12	99.3	<1.72	875	3,780
	7-May-12	80.4	<1.72	745	3,830
	15-Feb-12	94.8	<2.17	725	3,580
	1-Nov-11	93.0	<2.17	779	3,880
	21-Jul-11	135	<2.17	1,070	4,550
	4-May-11	147	<2.17	1,420	5,540
25-Jan-11	134	2.80	1,420	4,850	
24-Sep-10	58.2	<10.0	1,050	4,110	
28-Jun-10	50	<5.0	1,200	4,380	
23-Mar-10	16.3	0.56	1,100	3,624	
14-Dec-09	2.7	0.28	960	3,184	
31-Aug-09	6.6	ND	870	3,178	
1-Jun-09	18.10	1.12	880	3,164	
2-Mar-09	7.07	ND	825	3,202	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
833-10	4-Mar-19	1.8	<1.0	580	2,520
	26-Nov-18	2.6	<1.0	620	2,520
	31-Aug-18	3.3	<1.0	600	2,540
	24-May-18	3.6	<1.0	610	2,510
	22-Feb-18	3.5	<1.0	630	2,480
	16-Nov-17	5.74	0.862	613	2,060
	31-Aug-17	6.75	0.299	606	2,430
	30-May-17	3.83	0.927	650	2,560
	1-Mar-17	3.90	0.396	639	2,670
	17-Nov-16	4.64	<0.937	534	2,620
	26-Aug-16	4.38	<0.937	677	2,660
	26-May-16	4.22	<2.24	637	2,680
	19-Feb-16	2.50	<1.18	691	2,550
	18-Nov-15	2.69	<1.18	660	2,580
	27-Aug-15	3.58	<1.18	678	2,670
	21-May-15	3.81	<1.18	732	2,700
	25-Feb-15	4.52	<1.80	661	2,740
	25-Nov-14	4.96	<1.80	690	2,760
	21-Aug-14	5.66	<1.80	671	2,780
	29-May-14	3.20	2.10	667	2,670
	5-Mar-14	2.47	<1.66	679	2,660
	20-Nov-13	2.93	<1.66	695	2,620
	29-Aug-13	3.77	4.20	642	2,800
	22-May-13	3.96	<1.66	648	2,580
	28-Feb-13	4.19	<1.72	689	2,640
	20-Nov-12	4.25	<1.72	608	2,540
	15-Aug-12	4.93	2.52	585	2,530
	7-May-12	3.95	<1.72	581	2,350
	15-Feb-12	3.18	<2.17	582	2,440
	1-Nov-11	3.69	<2.17	573	2,590
	21-Jul-11	4.63	3.78	597	2,480
	4-May-11	5.19	<2.17	714	2,670
	25-Jan-11	8.46	2.10	649	2,730
24-Sep-10	<10.0	<10.0	654	2,250	
28-Jun-10	3.6	<1.0	750	2,790	
23-Mar-10	6.8	ND	1,220	3,868	
14-Dec-09	3.7	0.14	790	2,576	
31-Aug-09	4.7	ND	750	2,548	
1-Jun-09	7.1	ND	650	2,458	
2-Mar-09	2.43	ND	855	2,954	



**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
<b>Sunset/Desert Land Dairy</b>					
257-01	1-Mar-19	42	<5.0	900	3,620
	27-Nov-18	45	<5.0	890	3,780
	23-Aug-18	43	<5.0	770	3,890
	23-May-18	42	<5.0	900	4,020
	20-Feb-18	50	<5.0	920	3,820
	16-Nov-17	51.1	<0.0500	870	3,740
	18-Aug-17	48.5	<0.0500	867	3,620
	31-May-17	49.3	<0.0501	848	3,570
	2-Mar-17	45.5	<0.300	847	3,860
	16-Nov-16	44.4	<0.300	681	3,940
	25-Aug-16	48.7	<0.937	817	3,620
	26-May-16	47.7	<2.24	797	3,700
	22-Feb-16	51.9	<1.18	873	3,650
	19-Nov-15	49.1	<1.18	821	3,680
	28-Aug-15	50.4	<10.0	816	3,490
	26-May-15	49.4	3.50	809	3,460
	19-Feb-15	27.5	<1.80	629	2,880
	1-Dec-14	47.9	<1.80	750	3,370
	25-Aug-14	49.4	<1.80	694	3,570
	30-May-14	47.9	3.50	739	3,320
	6-Mar-14	44.3	<1.66	707	3,130
	25-Nov-13	42.4	2.80	726	3,090
	28-Aug-13	44.4	5.60	719	3,160
	22-May-13	33.6	<1.66	660	3,100
	21-Feb-13	28.3	<1.72	665	3,200
	21-Nov-12	24.7	2.80	625	3,130
	16-Aug-12	23.2	<1.72	617	3,060
	26-Apr-12	23.7	22.7	680	2,920
	9-Feb-12	19.4	<2.17	603	2,940
	1-Nov-11	28.4	<2.17	619	2,730
	22-Jul-11	44.8	<2.17	673	3,270
	26-Apr-11	103	3.78	870	4,440
19-Jan-11	59.3	3.08	743	3,420	
24-Sep-10	58.0	<10.0	685	3,120	
28-Jun-10	100	<1.0	820	3,800	
24-Mar-10	187	ND	1,100	4,342	
14-Dec-09	71	0.14	910	3,860	
31-Aug-09	49	ND	880	3,706	
2-Jun-09	64	ND	910	3,822	
3-Mar-09	89	ND	1,135	4,652	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
257-02	1-Mar-19	8.7	<1.0	690	2,570
	27-Nov-18	9.1	<1.0	650	2,680
	23-Aug-18	14	<2.0	540	2,640
	23-May-18	14	<2.0	690	2,530
	20-Feb-18	14	<2.0	610	2,640
	16-Nov-17	14.0	1.04	679	2,430
	18-Aug-17	10.3	<0.0500	754	2,890
	31-May-17	10.0	0.492	696	2,520
	2-Mar-17	16.2	<0.300	634	2,760
	16-Nov-16	10.2	<0.937	671	3,090
	25-Aug-16	4.62	<0.937	814	2,940
	26-May-16	7.28	<2.24	572	2,480
	22-Feb-16	4.98	<1.18	455	1,920
	19-Nov-15	12.2	<1.18	800	2,890
	28-Aug-15	8.86	<10.0	632	2,700
	26-May-15	9.36	1.40	727	2,660
	19-Feb-15	8.45	<1.80	610	2,440
	1-Dec-14	6.39	<1.80	669	2,760
	25-Aug-14	6.53	<1.80	585	2,550
	30-May-14	11.5	2.10	531	2,100
	6-Mar-14	10.4	<1.66	530	2,120
	25-Nov-13	11.1	2.80	529	2,070
	28-Aug-13	7.59	8.40	511	2,200
	22-May-13	3.39	<1.66	469	1,880
	21-Feb-13	10.3	<1.72	470	1,980
	21-Nov-12	10.0	2.80	468	2,060
	16-Aug-12	14.8	<1.72	484	2,170
	26-Apr-12	23.2	8.40	505	1,840
	9-Feb-12	11.1	<2.17	443	1,840
	1-Nov-11	19.3	2.24	442	3,150
	22-Jul-11	28.7	<2.17	501	2,160
	26-Apr-11	24.9	2.80	433	2,000
19-Jan-11	13.3	2.52	455	1,500	
24-Sep-10	21.0	<10.0	445	1,590	
29-Jun-10	24	<1.0	560	2,180	
24-Mar-10	22.3	ND	570	1,840	
14-Dec-09	19.3	0.14	480	1,916	
31-Aug-09	14.2	ND	410	1,518	
2-Jun-09	1.86	ND	500	1,690	
3-Mar-09	30.4	ND	495	1,632	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	
257-03	1-Mar-19	12	<2.0	710	2,670	
	27-Nov-18	5.8	2.1	570	2,480	
	23-Aug-18	11	<2.0	600	2,760	
	23-May-18	11	2.5	430	2,060	
	20-Feb-18	12	2.2	530	2,510	
	16-Nov-17	13.8	1.99	523	2,150	
	18-Aug-17	14.3	0.742	605	2,540	
	31-May-17	10.1	1.13	402	2,330	
	2-Mar-17	15.4	0.412	346	2,220	
	16-Nov-16	12.50	1.70	344	1,860	
	25-Aug-16	9.97	<0.937	333	1,860	
	26-May-16	Dry				
	22-Feb-16	Not Sampled - insufficient water to sample				
	19-Nov-15	Dry				
	28-Aug-15	5.37	<10.0	477	2,060	
	26-May-15	Dry				
	19-Feb-15	Not Sampled - insufficient water to sample				
	1-Dec-14	Dry				
	25-Aug-14	7.64	<1.80	413	1,840	
	30-May-14	Dry				
	6-Mar-14	6.06	<1.66	546	2,380	
	25-Nov-13	2.03	4.90	494	1,900	
	28-Aug-13	4.55	4.90	569	2,360	
	22-May-13	7.23	<1.66	658	2,640	
	21-Feb-13	2.65	<1.72	520	2,060	
	21-Nov-12	3.11	2.80	490	2,250	
	16-Aug-12	17.6	2.10	509	2,420	
	26-Apr-12	6.60	4.20	601	2,330	
	14-Feb-12	11.2	<2.17	636	2,620	
	1-Nov-11	7.37	2.80	537	2,210	
	22-Jul-11	12.9	2.80	576	2,100	
	26-Apr-11	12.5	5.88	525	2,400	
	19-Jan-11	2.67	2.24	377	1,600	
24-Sep-10	8.00	<10.0	400	1,670		
29-Jun-10	17	1.1	660	2,570		
24-Mar-10	10.1	1.12	640	2,342		
14-Dec-09	5.9	0.56	760	2,638		
31-Aug-09	10.7	0.84	610	2,260		
2-Jun-09	5.99	ND	570	2,284		
3-Mar-09	334*	ND	690	2,538		

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
257/260-01	2-Feb-18	Plugged and Abandoned			
	16-Nov-17	Not Sampled - Inaccessible Due to Crops			
	18-Aug-17	0.0935	18.6	678	2,730
	31-May-17	0.193	28.3	665	2,460
	2-Mar-17	<2.00	83.7	636	2,720
	16-Nov-16	0.857	29.2	527	2,300
	9-Sep-16	16.7	5.11	254	1,660
	26-May-16	<0.305	12.1	588	2,460
	22-Feb-16	<0.305	37.0	598	2,830
	19-Nov-15	<0.194	15.7	542	2,260
	28-Aug-15	8.81	<10.0	210	1,140
	26-May-15	2.02	18.9	726	2,750
	19-Feb-15	1.09	<1.80	445	2,220
	1-Dec-14	4.92	2.80	375	1,520
	25-Aug-14	3.74	6.30	562	2,440
	30-May-14	4.82	2.10	658	2,640
	6-Mar-14	4.22	<1.66	644	2,780
	25-Nov-13	3.30	6.30	580	2,220
	28-Aug-13	2.81	7.70	624	2,460
	22-May-13	2.39	<1.66	673	2,820
	21-Feb-13	9.35	<1.72	816	2,980
	21-Nov-12	13.0	3.50	722	3,020
	16-Aug-12	3.67	6.30	667	2,620
	26-Apr-12	6.83	2.80	575	2,660
	14-Feb-12	9.68	<2.17	565	2,180
	1-Nov-11	16.7	2.94	658	2,850
	22-Jul-11	4.66	3.64	440	1,860
	26-Apr-11	<0.500	4.34	624	2,580
	19-Jan-11	1.21	4.20	480	1,860
	24-Sep-10	11.0	<10.0	576	2,480
30-Jun-10	5.4	<5.0	530	1,980	
23-Mar-10	5.0	ND	340	982	
14-Dec-09	45	26.32	220	520	
31-Aug-09	0.3	8.7	570	1,704	
2-Jun-09	1.65	7.0	660	1,936	
3-Mar-09	3.98	1.12	555	1,908	
<b>McAnally Enterprises</b>					
MW-4	13-Mar-09	3.5	<0.5	2,110	5,686
<b>NMWQCC Standard</b>		<b>10</b>	<b>NA</b>	<b>250</b>	<b>1,000</b>
<b>Existing Conditions</b>		<b>NA</b>	<b>NA</b>	<b>1,781</b>	<b>5,328</b>

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
<b>Southern Area</b>					
<b>Del Oro Dairy</b>					
692-01 (Perched)	22-Dec-15	Plugged & Abandoned			
	2-Dec-15	78.4	<1.18	579	2,420
	31-Aug-15	Pump was not operational			
	28-May-15	Pump was not operational			
	3-Mar-15	Pump was not operational			
	2-Dec-14	99.4	4.90	678	2,830
	27-Aug-14	95.6	9.10	643	2,910
	2-Jun-14	98.2	4.20	612	2,660
	13-Mar-14	97.8	<1.66	647	2,820
	4-Dec-13	2.57	7.00	706	2,840
	4-Sep-13	Not Sampled			
	28-May-13	82.4	<1.66	612	2,660
	27-Feb-13	87.9	<1.72	654	2,690
	30-Nov-12	117	<1.72	821	3,490
	20-Aug-12	Pump was not operational			
	8-May-12	163	<1.72	1,060	4,820
	17-Feb-12	166	7.28	1,090	4,000
	8-Nov-11	168	6.44	1,180	4,690
	29-Jul-11	176	<2.17	1,210	4,840
	22-Apr-11	140		998	3,880
	19-Jan-11	213	2.10	1,070	4,320
	1-Oct-10	222	<10.0	1,060	4,640
	30-Jun-10	230	<5.0	1,100	4,080
30-Mar-10	117.5	3	1,080	3,991	
8-Dec-09	107	1	1,060	4,897	
12-Aug-09	127	3	1,120	4,955	
4-May-09	120	3	1,160	4,295	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
692-02 (Perched)	7-Mar-19	67	<5.0	640	2,560
	27-Nov-18	58	<5.0	620	2,440
	23-Aug-18	66	<5.0	610	2,690
	30-May-18	64	<5.0	690	2,770
	23-Feb-18	82	<5.0	840	2,960
	30-Nov-17	43.4	<0.0500	746	2,300
	23-Aug-17	24.4	<0.0500	660	2,290
	5-Jun-17	2.82	1.01	421	1,640
	2-Mar-17	17.8	<0.300	583	2,250
	30-Nov-16	103	<0.300	803	3,300
	6-Sep-16	111	<0.937	869	3,340
	31-May-16	124	<2.24	879	3,520
	24-Feb-16	140	<1.18	990	3,480
	2-Dec-15	134	2.24	967	3,500
	31-Aug-15	140	4.90	995	3,660
	26-May-15	140	4.20	973	3,430
	3-Mar-15	142	2.10	963	3,640
	2-Dec-14	147	<1.80	974	3,430
	27-Aug-14	132	2.80	909	3,510
	30-May-14	128	4.20	906	3,370
	7-Mar-14	129	<1.66	912	3,420
	3-Dec-13	108	2.80	906	3,520
	4-Sep-13	120	2.80	925	3,600
	23-May-13	47.8	<1.66	742	2,720
	27-Feb-13	3.37	<1.72	396	1,520
	30-Nov-12	<0.0290	<1.72	358	1,450
	20-Aug-12	1.72	<1.72	371	1,460
	8-May-12	1.75	<1.72	339	1,350
	17-Feb-12	2.55	<2.17	410	1,490
	31-Oct-11	4.69	<2.17	451	1,720
	29-Jul-11	24.1	<2.17	504	2,280
	27-Apr-11	92.3	<10.0	921	3,080
26-Jan-11	47.2	3.64	706	2,490	
1-Oct-10	Not Sampled				
30-Jun-10	140	<5.0	1,100	3,520	
30-Mar-10	107.5	1	1,320	3,861	
8-Dec-09	96	1	1,200	4,073	
12-Aug-09	66	3	1,140	4,317	
4-May-09	52	1	1,100	3,337	
692-03	30-Mar-10	Plugged and Abandoned			
	4-May-09				

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	
692-04 (Perched)	7-Mar-19	Dry				
	27-Nov-08	Dry				
	23-Aug-18	Dry				
	30-May-18	Dry				
	23-Feb-18	Dry				
	23-Aug-17	Dry				
	5-Jun-17	Dry				
	2-Mar-17	Dry				
	30-Nov-16	Dry				
	2-Sep-16	Dry				
	31-May-16	Dry				
	24-Feb-16	Dry				
	2-Dec-15	Dry				
	31-Aug-15	Dry				
	26-May-15	Dry				
	3-Mar-15	Not Sampled - insufficient water to sample				
	2-Dec-14	27.1	<1.80	582	2,000	
	28-Aug-14	32.5	<1.80	508	2,060	
	30-May-14	38.7	4.20	481	2,010	
	7-Mar-14	44.4	<1.66	581	2,290	
	3-Dec-13	43.5	2.80	646	2,490	
	4-Sep-13	Not Sampled - insufficient water to sample				
	23-May-13	71.3	<1.66	676	2,740	
	27-Feb-13	25.2	<1.72	625	2,390	
	30-Nov-12	24.3	<1.72	573	2,540	
	20-Aug-12	42.1	<1.72	689	2,850	
	8-May-12	39.6	<1.72	652	2,490	
	17-Feb-12	30.2	<2.17	557	2,060	
	31-Oct-11	22.9	<2.17	477	1,600	
	29-Jul-11	25.2	<2.17	503	1,960	
	22-Apr-11	98.5	<2.17	893	3,240	
	19-Jan-11	148	3.22	1040	3,740	
28-Sep-10	67.0	<10.0	802	3,060		
30-Jun-10	50	<5.0	590	2,050		
30-Mar-10	28	1	600	2,012		
8-Dec-09	31	1	590	2,069		
12-Aug-09	26	1	680	2,158		
4-May-09	26	1	580	2,081		

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
692-05 (Regional)	14-Mar-19	12	<2.0	410	1,540
	4-Dec-18	Pump was not operational			
	23-Aug-18	9.1	<1.0	400	1,500
	30-May-18	Pump was not operational			
	23-Feb-18	Pump was not operational			
	30-Nov-17	11.9	<0.0500	433	1,300
	22-Aug-17	10.6	<0.0500	450	1,470
	5-Jun-17	9.24	<0.0500	440	1,430
	3-Mar-17	8.32	<0.300	425	1,430
	29-Nov-16	6.85	<0.300	430	1,420
	2-Sep-16	8.07	<0.937	452	1,420
	31-May-16	7.29	<2.24	459	1,470
	24-Feb-16	6.72	<1.18	463	1,540
	2-Dec-15	5.68	<1.18	457	1,370
	31-Aug-15	5.03	11.9	496	1,380
	26-May-15	3.93	<1.18	474	1,440
	3-Mar-15	3.70	<1.80	430	1,440
	2-Dec-14	4.80	<1.80	447	1,460
	27-Aug-14	5.78	<1.80	424	1,340
	2-Jun-14	6.50	3.50	427	1,460
	14-Mar-14	1.67	<1.66	452	1,440
	4-Dec-13	4.05	2.80	437	1,360
	4-Sep-13	2.12	4.20	446	1,480
	28-May-13	1.90	<1.66	417	1,280
	27-Feb-13	2.16	<1.72	410	1,340
	29-Nov-12	2.28	<1.72	397	1,370
	16-Aug-12	2.73	17.6	455	1,520
	7-May-12	1.92	3.08	420	1,570
	17-Feb-12	2.52	<2.17	423	1,310
	8-Nov-11	2.30	2.94	383	1,230
	1-Aug-11	<1.00	3.50	420	1,710
26-Apr-11	<2.50	<10.0	401	1,710	
19-Jan-11	4.12	2.10	443	1,280	
1-Oct-10	3.10	<10.0	420	1,430	
30-Jun-10	2.1	<1.0	500	1,490	
30-Mar-10	1.5	1	480	1,501	
8-Dec-09	1.4	1	540	1,538	
12-Aug-09	0.8	1	500	1,602	
4-May-09	1.0	1	500	1,477	



**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
692-06 (Regional)	7-Mar-19	3.1	<1.0	420	1,450
	4-Dec-18	3.7	<1.0	450	1,490
	23-Aug-18	3.5	<1.0	370	1,450
	30-May-18	3.9	<1.0	410	1,420
	23-Feb-18	2.9	<1.0	420	1,430
	30-Nov-17	3.46	<0.0500	420	1,290
	23-Aug-17	3.29	<0.0500	420	1,480
	5-Jun-17	3.20	0.0835	428	1,580
	2-Mar-17	2.84	<0.300	404	1,530
	30-Nov-16	3.12	<0.300	414	1,420
	6-Sep-16	2.86	<0.937	471	1,420
	31-May-16	2.27	<2.24	467	1,420
	24-Feb-16	2.93	<1.18	465	1,410
	2-Dec-15	3.04	<1.18	450	1,420
	31-Aug-15	2.56	<1.18	444	1,400
	26-May-15	4.29	1.40	480	1,410
	3-Mar-15	3.40	<1.80	444	1,440
	2-Dec-14	3.65	<1.80	461	1,440
	27-Aug-14	3.77	<1.80	434	1,420
	2-Jun-14	3.90	3.50	453	1,500
	7-Mar-14	3.03	<1.66	429	1,400
	3-Dec-13	3.70	2.10	470	1,470
	4-Sep-13	3.19	2.10	423	1,540
	23-May-13	2.71	<1.66	415	1,370
	27-Feb-13	2.81	<1.72	412	1,390
	4-Dec-12	2.19	<1.72	395	1,380
	16-Aug-12	3.24	3.36	418	1,400
	8-May-12	2.62	<1.72	397	1,620
	17-Feb-12	9.39	<2.17	459	1,200
	8-Nov-11	6.46	<2.17	425	1,450
	1-Aug-11	6.07	2.80	409	1,500
	26-Apr-11	4.50	<10.0	422	1,590
19-Jan-11	4.95	2.10	431	1,360	
1-Oct-10	11.0	<10.0	373	1,490	
30-Jun-10	7.4	<1.0	440	1,470	
30-Mar-10	3.9	1	460	1,532	
8-Dec-09	2.3	1	540	1,609	
12-Aug-09	2.8	1	440	1,555	
4-May-09	2.9	1	500	1,552	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	
692-07 (Regional)	7-Mar-19	3.5	<1.0	580	1,680	
	4-Dec-18	3.5	<1.0	560	1,640	
	23-Aug-18	3.3	<1.0	500	1,650	
	30-May-18	3.3	<1.0	590	1,600	
	23-Feb-18	2.9	<1.0	610	1,630	
	30-Nov-17	3.38	<0.0500	576	1,450	
	23-Aug-17	3.38	<0.0500	576	1,590	
	5-Jun-17	3.18	0.471	570	1,520	
	3-Mar-17	3.14	<0.300	564	1,550	
	29-Nov-16	3.88	<0.300	570	1,660	
	2-Sep-16	3.04	<0.937	591	1,520	
	31-May-16	2.19	<2.24	526	1,660	
	24-Feb-16	3.42	<1.18	618	1,590	
	2-Dec-15	3.13	<1.18	582	1,490	
	31-Aug-15	2.97	<1.18	578	1,570	
	26-May-15	2.93	<1.18	589	1,580	
	3-Mar-15	3.53	<1.80	668	1,580	
	2-Dec-14	Pump was not operational				
	27-Aug-14	Not Sampled - insufficient water to sample				
	2-Jun-14	3.20	2.80	527	1,590	
	14-Mar-14	3.26	<1.66	544	1,580	
	4-Dec-13	4.26	2.10	581	1,600	
	4-Sep-13	4.17	<1.66	550	1,840	
	28-May-13	3.68	<1.66	524	1,530	
	27-Feb-13	3.82	<1.72	563	1,630	
	30-Nov-12	4.05	<1.72	535	1,660	
	16-Aug-12	5.36	3.50	549	1,780	
	8-May-12	3.55	<1.72	530	1,780	
	17-Feb-12	4.76	<2.17	518	1,600	
	12-Nov-11	5.22	<2.17	555	780	
	1-Aug-11	<1.00	2.66	567	2,000	
	26-Apr-11	39.3	<10.0	694	2,520	
19-Jan-11	17.2	2.38	589	1,100		
1-Oct-10	27.0	< 10.0	617	2,300		
30-Jun-10	Not Sampled					
30-Mar-10	42	1	820	2,967		
8-Dec-09	28	1	860	3,131		
12-Aug-09	36	1	780	3,041		
4-May-09	50	1	960	3,480		

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
692-08 (Regional)	7-Mar-19	2.6	<1.0	420	1,400
	4-Dec-18	2.4	<1.0	420	1,370
	23-Aug-18	2.1	<1.0	370	1,380
	30-May-18	2.5	<1.0	420	1,340
	23-Feb-18	3.0	<1.0	410	1,360
	30-Nov-17	4.74	<0.0500	420	1,280
	22-Aug-17	2.29	<0.0500	416	1,370
	5-Jun-17	2.12	1.93	413	1,300
	3-Mar-17	2.84	<0.300	412	1,270
	30-Nov-16	2.26	0.567	422	1,340
	2-Sep-16	0.791	1.14	473	1,320
	31-May-16	1.58	<2.24	437	1,340
	24-Feb-16	3.22	<1.18	448	1,300
	2-Dec-15	1.91	<1.18	434	1,330
	31-Aug-15	<0.194	<1.18	432	1,380
	28-May-15	0.652	<1.18	460	1,430
	2-Mar-15	3.34	<1.80	433	1,360
	2-Dec-14	2.65	<1.80	437	1,370
	27-Aug-14	2.71	<1.80	418	1,300
	2-Jun-14	4.70	4.90	435	1,300
	14-Mar-14	4.27	<1.66	435	1,430
	4-Dec-13	3.22	<1.66	456	1,320
	4-Sep-13	3.58	2.10	430	1,360
	28-May-13	3.49	<1.66	434	2,760
	27-Feb-13	6.27	<1.72	424	1,380
	30-Nov-12	11.70	<1.72	393	1,500
	20-Aug-12	2.98	<1.72	410	1,340
	8-May-12	1.84	<1.72	364	1,560
	17-Feb-12	3.94	<2.17	452	1,390
	8-Nov-11	2.60	2.80	436	1,340
	1-Aug-11	<1.00	<2.17	386	2,240
	26-Apr-11	3.49	<10.0	435	1,440
19-Jan-11	3.26	<2.05	431	1,120	
1-Oct-10	5.70	<10.0	386	1,390	
30-Jun-10	3.5	<1.0	460	1,430	
30-Mar-10	3.0	1	520	1,518	
8-Dec-09	2.5	1	500	1,459	
12-Aug-09	1.8	1	520	1,476	
4-May-09	2.0	1	480	1,476	

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
692-09 (Regional)	7-Mar-19	3.0	<1.0	390	1,400
	4-Dec-18	3.2	<1.0	400	1,410
	23-Aug-18	3.1	<1.0	350	1,410
	30-May-18	4.2	<1.0	410	1,420
	23-Feb-18	<1.0	<1.0	410	1,380
	30-Nov-17	0.746	<0.0500	405	970
	22-Aug-17	3.93	<0.0500	411	1,360
	5-Jun-17	2.76	1.47	408	1,340
	3-Mar-17	4.22	<0.300	399	1,320
	30-Nov-16	4.39	<0.300	420	1,380
	2-Sep-16	0.794	<0.937	426	1,340
	31-May-16	2.96	<2.24	438	1,400
	24-Feb-16	3.38	<1.18	445	1,280
	2-Dec-15	2.88	<1.18	435	1,320
	31-Aug-15	3.04	<1.18	434	1,290
	28-May-15	2.85	<1.18	460	1,380
	3-Mar-15	2.35	<1.80	428	1,300
	2-Dec-14	1.94	<1.80	444	1,420
	28-Aug-14	4.36	<1.80	418	1,450
	2-Jun-14	6.81	<1.80	459	1,300
	14-Mar-14	6.08	<1.66	453	1,460
	4-Dec-13	3.43	2.10	465	1,440
	4-Sep-13	8.52	3.50	452	1,460
	28-May-13	8.92	<1.66	457	1,410
	27-Feb-13	9.50	<1.72	465	1,440
	29-Nov-12	7.91	13.3	425	1,410
	20-Aug-12	7.71	<1.72	400	1,480
	7-May-12	7.80	<1.72	391	1,470
	17-Feb-12	6.89	<2.17	457	1,450
	8-Nov-11	10.6	<2.17	455	1,400
1-Aug-11	12.6	<2.17	407	1,300	
26-Apr-11	10.8	<10.0	420	1,140	
18-Jan-11	12.0	<2.05	460	1,160	
1-Oct-10	15.0	<10.0	387	1,480	
30-Jun-10	22	<5.0	480	1,500	
30-Mar-10	11	1	520	1,606	
8-Dec-09	10	1	460	1,536	
12-Aug-09	6	1	460	1,675	
4-May-09	6	1	480	1,545	
<b>NMWQCC Standard</b>		<b>10</b>	<b>NA</b>	<b>250</b>	<b>1,000</b>
<b>Existing Conditions</b>		<b>NA</b>	<b>NA</b>	<b>503</b>	<b>2,552</b>

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
<p>NOTES:</p> <p><b>Data suspect</b></p> <p>mg/l = milligrams per liter            ND = Non-detect            NMWQCC = New Mexico Water Quality Control Commission            TDS = Total dissolved solids            TKN = Total Kjeldahl nitrogen</p> <p>Highlight is at or above NMWQCC Standard</p> <p>Highlight is at or above relevant existing conditions value</p>					

**TABLE 6. IRRIGATION/SUPPLY WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Office of State Engineer File Number	Preforated Interval (feet bgs)	Total Depth (feet bgs)	Pumping Rate (gpm)	Average Pumping Duration (hours/day)	Average Pumping Duration (months/ year)	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
<b>NORTHERN AREA</b>											
<b>Northern Land Application Area (Mountain View)</b>											
LRG-457 (Irrigation Wells)	unknown	200	300	9	12	26-Feb-19	11	<2.0	1,400	3,890	NS
						13-Feb-18	6.8	<1.0	1,000	3,130	NS
						26-May-17	6.04	0.0950	1,030	3,160	NS
						15-Mar-16	6.31	<1.18	1,080	3,210	567
						7-Nov-11	NS	NS	NS	NS	655
						7-May-09	5.1	<1.0	1,100	3,000	NS
<b>Organ Dairy (Former Daybreak Dairy and Del Norte Dairy)</b>											
LRG-458 S	260-300	300				22-Feb-19	10	<2.0	1,200	3,190	NS
						9-Feb-18	8.4	<1.0	930	3,140	NS
						1-Jun-17	8.07	0.0803	1,000	2,700	NS
						2-Mar-16	7.28	<1.18	1,030	2,980	NS
						7-Nov-11	NS	NS	NS	NS	438
						5-May-09	5.6	<1.0	990	2,700	NS
<b>Mountain View Dairy</b>											
LRG-00952 (Dairy Parlor)	unknown	240	1000	24	12	25-Feb-19	3.6	<1.0	760	2,330	NS
				20 days/mo		6-Apr-18	3.1	<1.0	690	2,300	NS
						26-May-17	2.31	<0.0501	662	2,230	NS
						23-May-16	2.42	<2.24	639	2,110	NS
						7-Nov-11	NS	NS	NS	NS	375
						14-May-09	2.6	<1.0	830	2,400	NS
<b>Buena Vista Dairy I</b>											
LRG-05117	unknown	250				6-May-09	13	<2.0	1,000	2,900	NS
<b>Bright Star Dairy</b>											
LUDWIG Irrig Well	unknown	unknown				27-Mar-13	0.175	<0.00501	NS	NS	NS
LRG-00953	unkown	300	300	9	12	25-Feb-19	12	<2.0	870	2,700	NS
						12-Feb-18	12	<2.0	840	2,720	470
						1-Jun-17	12.3	<0.300	811	2,600	NS
						2-Mar-16	11.9	3.36	880	2,780	NS
						4-Nov-11	NS	NS	NS	NS	470
						5-May-09	8.4	<1.0	970	2,700	NS

**TABLE 6. IRRIGATION/SUPPLY WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Office of State Engineer File Number	Preforated Interval (feet bgs)	Total Depth (feet bgs)	Pumping Rate (gpm)	Average Pumping Duration (hours/day)	Average Pumping Duration (months/ year)	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
<b>Former D&amp;J Dairy (Dominguez 2)</b>											
LRG-956	unknown	330	180	18	12	26-Mar-19	13*	<2.0*	1,200*	3,700*	NS
						19-Feb-18	1.2	<1.0	420	1,650	NS
						2-Jun-17	0.913	0.2	328	1,170	NS
						15-Mar-16	0.132	<1.18	434	1,580	NS
						9-Nov-12	NS	NS	NS	NS	241
						5-May-09	2.6	<1.0	540	1,700	NS
<b>Dominguez</b>											
LRG-00591-S	150-250	250	280	15	12	28-Feb-19	28	<5.0	1,200	3,410	NS
LRG-00591-S-2	185-245	245				2.3	<1.0	440	1,730	NS	
LRG-00591-S	150-250	250				14-Feb-18	12	<2.0	700	2,330	NS
LRG-00591-S-2	185-245	245				19-Feb-18	2.10	<1.0	450	1,690	NS
LRG-00591-S	150-250	250				6-Jun-17	25.0	<0.100	956	3,110	NS
LRG-00591-S-2	185-245	245					1.66	0.247	430	1,670	NS
LRG-00591-S	150-250	250				15-Mar-16	9.83	<1.18	633	2,120	NS
LRG-00591-S-2	185-245	245									
LRG-00591-S	150-250	250				9-Nov-11	NS	NS	NS	NS	232
LRG-00591-S-2	185-245	245									
LRG-00591-S	150-250	250				5-May-09	3.0	<1.0	520	1,700	NS
LRG-00591-S-2	185-245	245									
LRG-00590-S-6 (Irrigation well)	unknown	234	1500	24	8 months 16 days/month	26-Mar-19	2.0*	<1.0*	420*	1,640*	NS
						9-Apr-18	12	<2.0	620	2,210	NS
						12-Jun-17	6.67	<0.100	535	1,970	NS
						10-Mar-16	10.3	<1.18	632	2,210	NS
						9-Nov-12	NS	NS	NS	NS	259
						14-May-09	2.3	<1.0	470	1,700	NS
<b>Gonzalez</b>											
LRG-05351-S	204-263	263	125	24	12	28-Feb-19	3.4	<1.0	460	1,760	NS
						15-Feb-18	5.0	<1.0	530	1,740	NS
						6-Jun-17	1.12	<0.0500	400	1,540	NS
						23-May-16	20.4	<2.24	1,200	4,040	NS
						2-Mar-16	18.0	<1.18	863	2,640	NS
						4-Nov-11	NS	NS	NS	NS	233
						5-May-09	1.2	<1.0	430	1,500	NS

**TABLE 6. IRRIGATION/SUPPLY WELL GROUNDWATER ANALYTICAL RESULTS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Office of State Engineer File Number	Preforated Interval (feet bgs)	Total Depth (feet bgs)	Pumping Rate (gpm)	Average Pumping Duration (hours/day)	Average Pumping Duration (months/ year)	Date Sampled	Nitrate (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)	Sulfate (mg/l)
<b>CENTRAL AREA</b>											
<b>Buena Vista Dairy II</b>											
LRG-01876	unkown	335	250	10.5	12	28-Feb-19	1.5	<1.0	370	1,450	NS
						15-Feb-18	0.65	<1.0	390	1,420	NS
						26-May-17	0.174	0.186	356	1,330	NS
						23-May-16	0.140	<2.24	328	1,420	NS
						3-Nov-11	NS	NS	NS	NS	185
						6-May-09	<1.0	<1.0	64	450	NS
<b>Big Sky Dairy</b>											
LRG-4116	unkown	120	300	12	12	4-Mar-19	<1.0	<1.0	380	1,510	NS
						20-Feb-18	<1.0	<1.0	350	1,530	NS
						30-May-17	0.355	0.252	393	1,540	NS
						2-Mar-16	<0.305	<1.18	423	1,610	NS
						1-Nov-11	NS	NS	NS	NS	185
						13-May-09	<2.0	<1.0	410	1,500	NS
<b>Sunset/Desert Land Dairy</b>											
Sunset - LRG-3348-AS	340-380	380	300	9	12	1-Mar-19	1.3	<1.0	420	1,620	NS
						20-Feb-18	5.9	<2.0	690	2,490	NS
						5-Jun-17	6.12	0.361	723	2,470	NS
						2-Mar-16	5.53	<1.18	775	2,580	448
						1-Nov-11	NS	NS	NS	NS	446
						13-May-09	2.0	<1.0	720	2,200	NS
LRG-314495-POD1 (Well next to DAD-08)	240-260	360				5-Jun-17	Well not sampled; well not in use				
						2-Mar-16					
Desert Land - LRG-3348-B	360-380	380	300	5	12	1-Mar-19	<1.0	<1.0	340	1,360	NS
						20-Feb-18	1.2	<1.0	410	1,590	NS
						5-Jun-17	0.826	1.10	413	1,600	NS
						4-Mar-16	<0.305	<1.18	378	1,440	205
						11-Jan-11	NS	NS	NS	NS	185
						13-May-09	<2.0	<1.0	410	1,500	NS





**TABLE 7. SUMMARY OF TREND ANALYSES 2009 - 2018  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Groundwater Concentration Trend			Comments
	Nitrate	Chloride	TDS	
<b>NORTHERN AREA</b>				
Northern Land Application Area (DP-340)				
70-03	Stable	Increasing	Increasing	Chloride and TDS are expected to stabilize since LAA was phased out. Nitrate is above the standard.
70/86/340-01	Decreasing	Stable	Stable	Concentrations decreasing or stabilizing since LAA was phased out. Nitrate is above the standard.
86/340-01	Stable	Decreasing	Decreasing	Well is located upgradient of Dona Ana Dairies. Nitrate is below the standard.
Organ Dairy (Former Del Norte Dairy) (DP-126)				
126-04	Increasing	Increasing	Increasing	Chloride and TDS concentration below upgradient conditions. Nitrate is expected to stabilize over time now that lagoon is synthetically lined.
126-05	Stable	Increasing	Increasing	Well is not located along the margins of the abatement plan area. Nitrate is stable and chloride is below existing conditions. Chloride and TDS are expected to stabilize now that lagoon is synthetically lined.
126-07	Increasing	Stable	Stable	Well is not located along the margins of the abatement plan area. Nitrate is expected to stabilize now that lagoon is synthetically lined and LAA has been phased out.
126-09	Decreasing	Decreasing	Decreasing	Well is located along the eastern boundary of the Stage 2 Abatement Plan area. Nitrate is below the standard.
126-12	Stable	Decreasing	Stable	Chloride and TDS are below existing conditions.
126-13	Increasing	Stable	Increasing	Well is not located along the margins of the abatement plan area. Chloride is below existing conditions. Concentrations of nitrate and TDS expected to stabilize now that lagoon is synthetically lined.
Mountain View Dairy (DP-70)				
70-01	Increasing	Increasing	Increasing	Well is not located along the margins of the abatement plan area. Chloride is below existing conditions. Concentrations are expected to stabilize now that lagoon is synthetically lined.
70-02	Decreasing	Decreasing	Stable	Chloride and TDS are below existing conditions. Nitrate concentrations are expected to continue to decrease now that lagoon is synthetically lined. Nitrate is above the standard.
70-04	Increasing	Increasing	Increasing	Well is not located along the margins of the abatement plan area. Nitrate is expected to stabilize now that lagoon is synthetically lined. Chloride and TDS are below existing conditions.
Bright Star Dairy (DP-340)				
340-01	Increasing	Stable	Increasing	Well is not located along the margins of the abatement plan area. Concentrations are expected to decrease with time since lagoons are now synthetically lined. Chloride and TDS are below existing conditions. Chloride concentrations are stable.
340-02	Stable	Stable	Stable	Concentrations are stable. Well is located downgradient of lagoon. Concentrations are expected to decrease now that the lagoon is synthetically lined.

**TABLE 7. SUMMARY OF TREND ANALYSES 2009 - 2018  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Groundwater Concentration Trend			Comments
	Nitrate	Chloride	TDS	
<b>Dominguez 2 Dairy (DP-42)</b>				
42-02	Decreasing	Increasing	Increasing	Nitrate concentrations are below the standard. TDS and Chloride concentration are below existing conditions. Concentrations are expected to stabilize now that lagoon is synthetically lined.
42-03	Stable	Stable	Decreasing	Well located along the eastern margin of the abatement area, will monitor well as part of performance assessment. Nitrate expected to decrease as chloride and TDS have since waste water lagoon and LAA have been removed. TDS and chloride are above existing conditions; however, they both have stable or decreasing trends.
42-06	Increasing	Decreasing	Decreasing	Chloride and TDS are decreasing and are below existing conditions. Nitrate is expected to stabilize now that lagoon is synthetically lined.
42-07	---	---	---	Has been dry since 2012.
42-08	Decreasing	Decreasing	Decreasing	Nitrate is above the standard. Chloride is below the standard. TDS is below existing conditions.
42-09	---	---	---	Not sampled since December 2015. Well was Destroyed.
42-10	Stable	Decreasing	Decreasing	Well located along eastern margin of abatement plan area. Nitrate is below standard. Chloride and TDS are below existing conditions.
42-11	Stable	Decreasing	Decreasing	Well located along eastern margin of abatement plan area. Nitrate is below standard. Chloride and TDS are below existing conditions.
42-12	Stable	Stable	Stable	Well located along eastern margin of abatement plan area. Nitrate is below standard. Chloride and TDS are below existing conditions.
42-13	Stable	Decreasing	Stable	TDS is below existing conditions.
<b>Dominguez Dairy (DP-624)</b>				
624-01	Stable	Stable	Stable	
624-02	Decreasing	Decreasing	Decreasing	Nitrate is generally below the standard.
624-04	---	---	---	Well has been dry since 2011.
624-05	Decreasing	Decreasing	Decreasing	Nitrate is below the standard.
624-06	---	---	---	Well has been dry since 2013.
624-07	---	---	---	Well has been dry since 2011.
624-08	---	---	---	Well has been dry since 2011.
<b>Gonzalez Dairy (DP-177)</b>				
177-01	Decreasing	Increasing	Increasing	Nitrate is above the standard but is expected to continue decreasing now that the dairy is no longer in operation. Above existing conditions for TDS and chloride.
177-02	Decreasing	Decreasing	Decreasing	Nitrate fluctuates above and below the standard. However, concentrations are expected to continue decreasing now that the dairy is no longer in operation.
177-03A	Stable	Decreasing	Stable	
177-04	Decreasing	Decreasing	Decreasing	Nitrate is above the standard.
177-05	Decreasing	Increasing	Increasing	Nitrate is above the standard but is expected to continue decreasing now that the dairy is no longer in operation. Above existing conditions for TDS and chloride.
177-06	---	---	---	Well has been dry since 2014.
177-07R	Stable	Stable	Stable	

**TABLE 7. SUMMARY OF TREND ANALYSES 2009 - 2018  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Groundwater Concentration Trend			Comments
	Nitrate	Chloride	TDS	
<b>Abatement Plan Monitor Wells</b>				
DAD-01	Stable	Decreasing	Decreasing	Well located along eastern margin of abatement plan area.
DAD-02	Increasing	Increasing	Decreasing	Well located to the south-southeast of the abatement area. Chloride and TDS are below existing conditions.
DAD-11	Increasing	Increasing	Increasing	Vertical delineation well. Chloride and TDS are below existing conditions.
DAD-12	Stable	Increasing	Increasing	Chloride and TDS increasing and above existing conditions.
DAD-13	Increasing	Stable	Stable	Nitrate is above standard. Chloride and TDS are below existing conditions. Well located at eastern edge of abatement plan area so will continue to monitor.
DAD-14	Stable	Stable	Stable	Well located along the southern margin of the abatement area, will monitor well as part of performance assessment.
DAD-23	Increasing	Stable	Increasing	Well located to the south-southeast of the abatement area. Nitrate above standard.
<b>CENTRAL AREA</b>				
<b>Buena Vista Dairy II (DP-74)</b>				
74-01	Decreasing	Increasing	Increasing	Nitrate is above the standard. Chloride and TDS are expected to stabilize now that lagoon is synthetically lined. Chloride and TDS concentrations are below standards.
74-02	Stable	Decreasing	Decreasing	
74-03	Decreasing	Decreasing	Decreasing	Nitrate is below the standard.
74-04	Stable	Increasing	Increasing	Nitrate is above the standard. Chloride and TDS are below existing conditions.
74-05	Decreasing	Increasing	Increasing	Nitrate is above the standard. Chloride and TDS are below existing conditions.
<b>Big Sky Dairy (DP-833)</b>				
833-02	Stable	Increasing	Increasing	Chloride and TDS are increasing, but are below existing conditions. Well is not located near margin of the abatement area.
833-03	---	---	---	Dry since 2011
833-04	Stable	Increasing	Stable	Chloride and TDS are below existing conditions.
833-05	Increasing	Stable	Increasing	Concentrations are expected to stabilize now that lagoon has been lined. Chloride and TDS concentrations are below existing conditions.
833-06	Stable	Stable	Stable	
833-07	Decreasing	Decreasing	Stable	Nitrate and chloride are decreasing and TDS concentrations are below existing condition. Stabilization and decreases are expected to continue now that lagoon is synthetically lined. Nitrate is above the standard.
833-08	Decreasing	Stable	Stable	Nitrate is above the standard.
833-09	Stable	Decreasing	Decreasing	As expected, analytes have stabilized now that lagoon is synthetically lined. Nitrate is above the standard.
833-10	Decreasing	Decreasing	Stable	Nitrate is below the standard.
<b>Sunset/Desert Land Dairy (DP-257)</b>				
257-01	Stable	Increasing	Increasing	Concentrations are expected to stabilize now that lagoon has been lined. Chloride and TDS concentrations are below existing conditions.
257-02	Decreasing	Increasing	Increasing	Chloride and TDS are below existing conditions. Well is downgradient of abatement area. Nitrate is below the standard.
257-03	Stable	Decreasing	Stable	

**TABLE 7. SUMMARY OF TREND ANALYSES 2009 - 2018  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Groundwater Concentration Trend			Comments
	Nitrate	Chloride	TDS	
<b>Abatement Plan Monitor Wells</b>				
DAD-03	Decreasing	Decreasing	Decreasing	Nitrate below standard.
DAD-04	Decreasing	Decreasing	Decreasing	Nitrate below standard.
DAD-05	Stable	Stable	Increasing	Nitrate below standard. Well upgradient of abatement area.
DAD-06	---	---	---	Dry since 2013
DAD-07	Increasing	Stable	Stable	Nitrate above standard.
DAD-08	Stable	Stable	Stable	Adjacent irrigation well has not been in use for several years, nitrate concentrations have stabilized. It is expected that concentrations will decrease. Chloride and TDS are above existing conditions.
DAD-15	Increasing	Increasing	Stable	Chloride and TDS are below existing conditions. Nitrate is below the standard.
DAD-16	Decreasing	Stable	Stable	Nitrate is below the standard.
DAD-17	Stable	Decreasing	Decreasing	
DAD-18	Stable	Stable	Stable	Vertical delineation well. Nitrate fluctuates above and below the standard.
DAD-19	Decreasing	Increasing	Decreasing	Vertical delineation well. Chloride and TDS are below existing conditions. Nitrate is above the standard.
DAD-24	Stable	Stable	Stable	Vertical delineation well. Nitrate is below the standard.
DAD-25	Decreasing	Decreasing	Decreasing	Nitrate is below the standard.
<b>SOUTHERN AREA - PERCHED AQUIFER</b>				
<b>Del Oro Dairy (DP-692)</b>				
692-02	Stable	Decreasing	Stable	Well is located on the downgradient edge of abatement area. Will monitor as part of performance assessment.
692-04	---	---	---	Dry since March 2015.
<b>ABATEMENT PLAN MONITOR WELLS</b>				
DAD-09	Stable	Increasing	Increasing	Nitrate is above standard and chloride and TDS are above existing conditions.
DAD-20	Increasing	Increasing	Increasing	Nitrate is above standard and chloride and TDS are above existing conditions.
DAD-21	Increasing	Increasing	Increasing	Nitrate is above standard and chloride and TDS are above existing conditions.
DAD-22	Stable	Decreasing	Decreasing	Nitrate is above standard and chloride is above existing conditions.
DAD-26	Stable	Stable	Stable	Nitrate is above standard and chloride and TDS are above existing conditions.
<b>SOUTHERN AREA - REGIONAL AQUIFER</b>				
<b>Del Oro Dairy (DP-692)</b>				
692-05	Increasing	Stable	Stable	Nitrate above standard. Chloride and TDS below existing conditions.
692-06	Stable	Stable	Stable	
692-07	Decreasing	Stable	Decreasing	Chloride is above existing conditions. Nitrate is below the standard.
692-08	Stable	Decreasing	Decreasing	Nitrate below standard. TDS and chloride below existing conditions.
692-09	Decreasing	Decreasing	Decreasing	Nitrate below standard. TDS and chloride below existing conditions.
<b>Abatement Plan Monitor Wells</b>				
DAD-10	Increasing	Stable	Increasing	Nitrate concentrations are below the standard. Chloride and TDS are below existing conditions.
NOTES: DP = Discharge plan LAA = Land application area NMAC = New Mexico Administrative Code TDS = Total dissolved solids				

**TABLE 8. SUMMARY OF NITRATE DECAY RATES  
DONA ANA DAIRC, DONA ANA COUNTY, NEW MEXICO**

Dairy	Well	Nitrate Decay Rate (Days <sup>-1</sup> )	Nitrate Decay Rate (Years <sup>-1</sup> )	Estimated Half Life (Years) <sup>a</sup>	Estimated Time to Reach Nitrate Cleanup Level (Years) <sup>a</sup>
<b>NORTHERN AREA</b>					
Northern Land Application Area	70/86/340-01	32	0.0878	7.89	15.6
Mountain View	70-02	NA	NA	NA	NA
Dominguez 2	42-08	26	0.0715	9.69	20.5
Gonzalez	177-01	19	0.0524	13.23	22.8
Gonzalez	177-02	66	0.1806	3.84	10.9
Gonzalez	177-04	26	0.07	9.90	13.7
Gonzalez	177-05	9	0.0238	29.12	58.2
<b>Average</b>				<b>12.3</b>	<b>23.6</b>
<b>CENTRAL AREA</b>					
Buena Vista II	74-01	14	0.0391	17.73	37.8
Buena Vista II	74-05	18	0.05	13.86	24.0
Big Sky	833-07	NA	NA	NA	NA
Big Sky	833-08	9	0.0246	28.18	101.3
Abatement Plan	DAD-19	43	0.1177	5.89	13.2
<b>Average</b>				<b>16.4</b>	<b>44.1</b>
NOTES:					
<sup>a</sup> - Years from start of monitoring.					
NA - Not applicable. Although the Mann-Kendall Trend analysis indicated a decreasing trend, the formula used to calculate first-order decay rate indicated an increasing trend.					

**TABLE 9. CALCULATED GROUNDWATER PLUME AREAS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Concentration Range (mg/L)	Calculated Plume Area (Acres)*				Change in Plume Area Since 2016**
	2016	2017	2018	2019	
<b>NORTHERN AREA</b>					
<b>Nitrate</b>					
10-30	3,848.0	4,785.0	2,150.6	2,230.6	Decrease
30-70	302.7	426.9	263.1	258.3	Decrease
>70	12.9	32.5	33.2	20.1	Increase
<b>Cumulative</b>	<b>4,163.6</b>	<b>5,244.4</b>	<b>2,446.9</b>	<b>2,509.0</b>	<b>Decrease</b>
<b>Chloride</b>					
1,015-2,000	1,557.3	1,028.5	1,068.0	1,229.5	Decrease
2,000-3,000	68.3	32.3	47.7	31.9	Decrease
>3,000	0.9	0.0	1.4	0.0	Decrease
<b>Cumulative</b>	<b>1,626.5</b>	<b>1,060.8</b>	<b>1,117.0</b>	<b>1,261.4</b>	<b>Decrease</b>
<b>TDS</b>					
3,178-4,000	1,739.8	2,268.5	1,557.9	1,657.2	Stable
4,000-6,000	553.1	494.4	611.7	598.1	Stable
>6,000	28.6	87.8	25.0	6.1	Decrease
<b>Cumulative</b>	<b>2,321.5</b>	<b>2,850.7</b>	<b>2,194.7</b>	<b>2,261.4</b>	<b>Stable</b>
<b>CENTRAL AREA</b>					
<b>Nitrate</b>					
10-30	1,211.5	1,094.7	879.3	1,160.1	Stable
30-70	686.7	582.2	578.8	704.5	Stable
70-100	75.2	12.7	0.0	0.0	Decrease
>100	14.7	0.0	0.0	0.0	Decrease
<b>Cumulative</b>	<b>1,988.2</b>	<b>1,689.7</b>	<b>1,458.1</b>	<b>1,864.6</b>	<b>Stable</b>
<b>Chloride</b>					
1,781-1,800	2.9	0.7	0.0	2.1	Decrease
1,800-1,900	10.1	0.6	0.0	4.6	Decrease
>1,900	2.3	0.0	0.0	0.0	Decrease
<b>Cumulative</b>	<b>15.3</b>	<b>1.3</b>	<b>0.0</b>	<b>6.7</b>	<b>Decrease</b>
<b>TDS</b>					
5,328-5,500	6.6	2.2	0.0	1.3	Decrease
>5,500	2.8	0.0	0.0	0.0	Decrease
<b>Cumulative</b>	<b>9.4</b>	<b>2.2</b>	<b>0.0</b>	<b>1.3</b>	<b>Decrease</b>



**TABLE 9. CALCULATED GROUNDWATER PLUME AREAS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

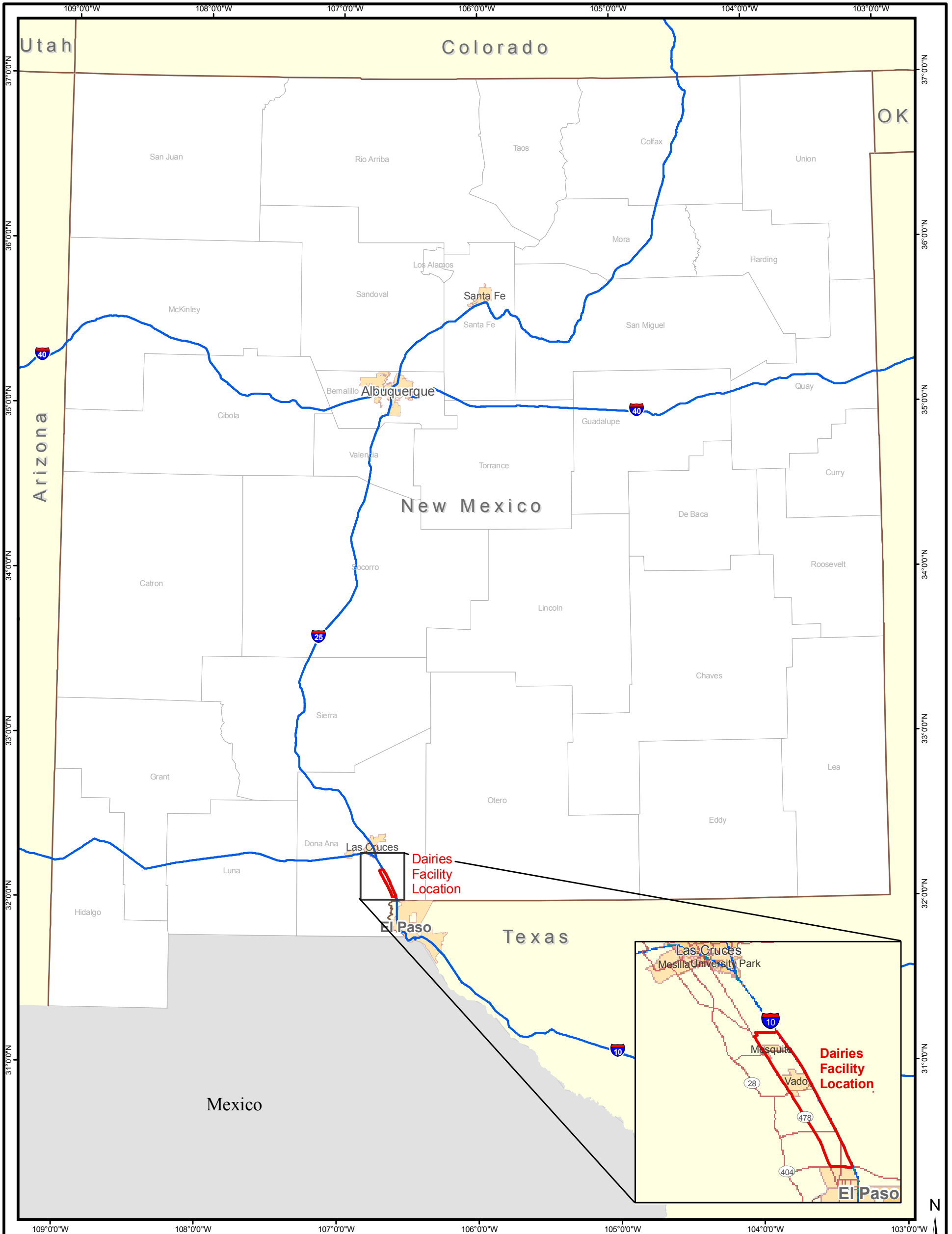
Concentration Range (mg/L)	Calculated Plume Area (Acres)*				Change in Plume Area Since 2016**
	2016	2017	2018	2019	
<b>SOUTHERN AREA - PERCHED AQUIFER</b>					
<b>Nitrate</b>					
10-30	60.1	49.4	58.7	68.0	Increase
30-70	35.0	69.4	93.9	96.8	Increase
70-100	12.6	0.0	36.9	21.5	Increase
>100	5.2	0.0	0.0	0.0	Decrease
<b>Cumulative</b>	<b>112.9</b>	<b>118.8</b>	<b>189.5</b>	<b>186.3</b>	<b>Increase</b>
<b>Chloride</b>					
503-600	41.1	80.0	93.1	81.2	Increase
600-700	41.5	60.8	86.5	73.4	Increase
700-800	50.2	56.3	52.7	62.1	Increase
800-900	82.9	53.4	65.0	51.6	Decrease
>900	28.8	38.2	3.8	1.3	Decrease
<b>Cumulative</b>	<b>244.5</b>	<b>288.7</b>	<b>301.1</b>	<b>269.6</b>	<b>Increase</b>
<b>TDS</b>					
2,552-2,700	29.6	55.0	61.2	31.9	Stable
2,700-3,000	25.1	59.3	42.5	18.8	Decrease
3,000-3,300	8.9	19.4	3.9	11.6	Increase
>3,300	1.9	0.0	0.0	0.0	Decrease
<b>Cumulative</b>	<b>65.5</b>	<b>133.7</b>	<b>107.6</b>	<b>62.3</b>	<b>Stable</b>



**TABLE 9. CALCULATED GROUNDWATER PLUME AREAS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Concentration Range (mg/L)	Calculated Plume Area (Acres)*				Change in Plume Area Since 2016**
	2016	2017	2018	2019	
<b>SOUTHERN AREA - REGIONAL AQUIFER</b>					
<b>Nitrate</b>					
10-30	0.2	0.0	0.0	1.1	Increase
<b>Chloride</b>					
503-600	35.7	7.6	15.8	9.6	Decrease
> 600	0.4	0.0	0.1	0.0	Decrease
<b>Cumulative</b>	<b>36.1</b>	<b>7.6</b>	<b>15.9</b>	<b>9.6</b>	<b>Decrease</b>
<b>TDS</b>					
> 2,552	0.0	0.0	0.0	0.0	Stable
NOTES:					
* = Area was calculated based on results of interpolation by kriging performed using concentrations from abatement plan and discharge plan monitoring wells during the February/March sampling event.					
** = Change is defined as an increase or decrease of 10% or more. An increase or decrease of less than 10% is defined as stable.					
> = Greater than					
mg/L = Milligrams per liter					
TDS = Total dissolved solids					

## **FIGURES**

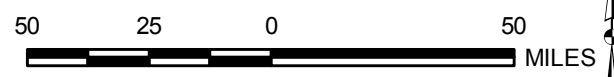


**LEGEND:**


 Facility Boundary

**REFERENCES**

Base Data: ESRI, 2008.



SCALE 1:2,500,000  
WHEN PRODUCED AT 11X17IN

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	CHECK		
REVIEW		<p><b>FIGURE 1</b></p>	



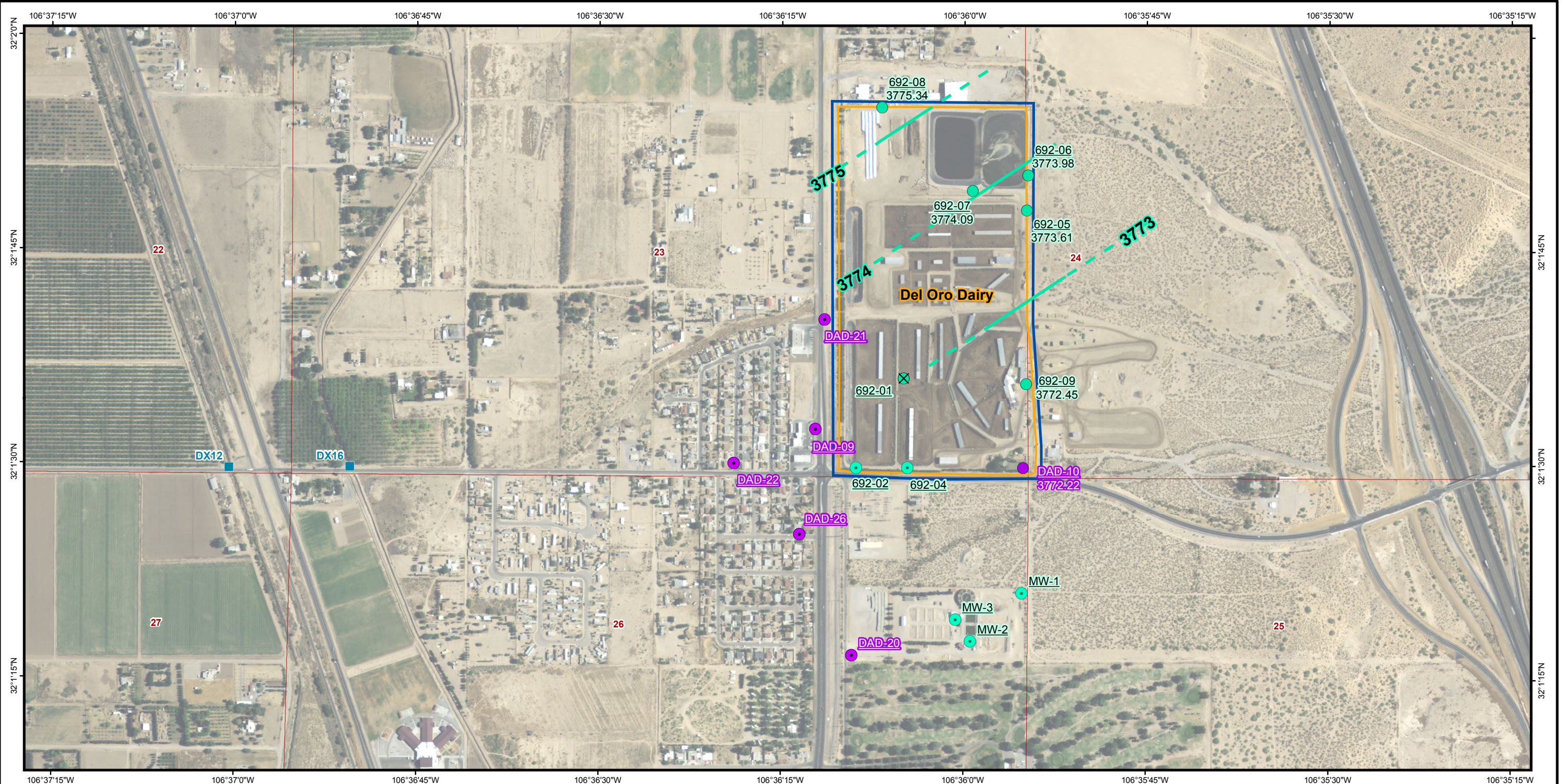






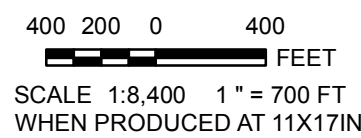


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**LEGEND:**

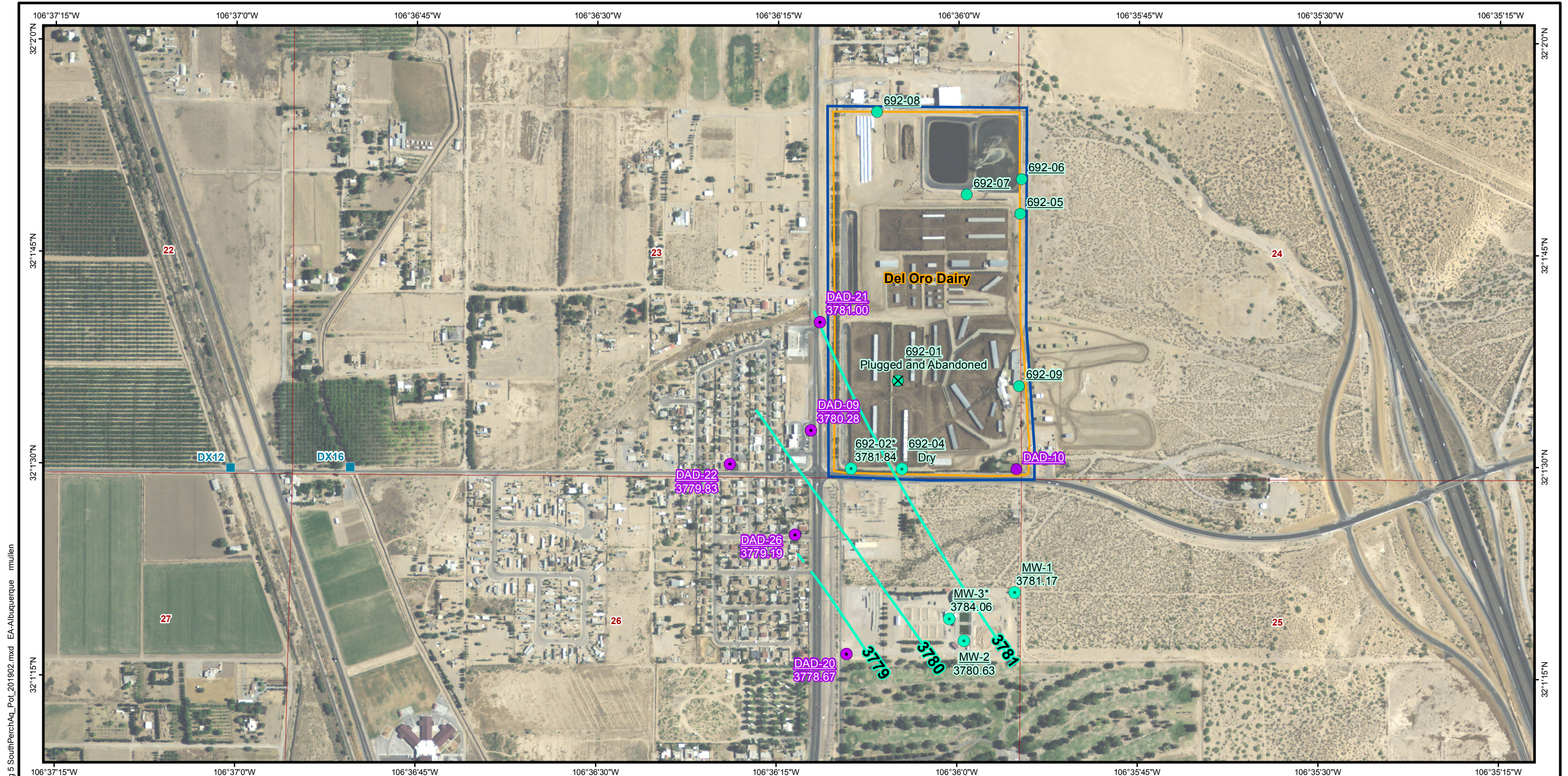
- Drain Crossing Location
- Perched Aquifer Monitoring Well**
  - Abatement Plan Monitoring Well
  - Discharge Plan Monitoring Well
  - ✕ Discharge Plan Well - Plugged and Abandoned
- Regional Aquifer Monitoring Well**
  - Abatement Plan Well With Water Elevations (Feet Above Mean Sea Level)
  - Discharge Plan Well with Water Elevation (Feet Above Mean Sea Level)
- Potentiometric Contour
- - - Potentiometric Contour - Assumed
- Land Owned by Dairies
- Stage 2 Abatement Plan Area
- Public Land Survey System



**REFERENCES**  
 Aerial Photography: NAIP, 2011  
 PLSS: BLM, 2000  
 Projection: State Plane NAD 83 New Mexico Central (feet)

<b>DOÑA ANA DAIRIES MESQUITE, NEW MEXICO</b>			
<b>POTENTIOMETRIC SURFACE MAP FEBRUARY 2019, SOUTHERN PORTION REGIONAL AQUIFER</b>			
	PROJECT No. 1464103		Fig 4 SouthRegionAq_Pot.mxd
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	CHECK		
REVIEW			
			FIGURE 4

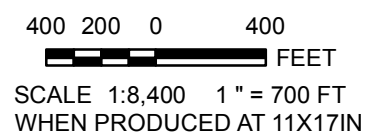




**LEGEND:**

- Drain Crossing Location
- Perched Aquifer Monitoring Well**
  - Abatement Plan Monitoring Well With Water Elevations (Feet Above Mean Sea Level)
  - Discharge Plan Monitoring Well With Water Elevations (Feet Above Mean Sea Level)
  - ⊗ Discharge Plan Well - Plugged and Abandoned
- Regional Aquifer Monitoring Well**
  - Abatement Plan Monitoring Well
  - Discharge Plan Monitoring Well
- Potentiometric Contour
- - - Potentiometric Contour - Assumed
- Land Owned by Dairies
- Stage 2 Abatement Plan Area
- Public Land Survey System

**Note:**  
\* = Not used in contouring.



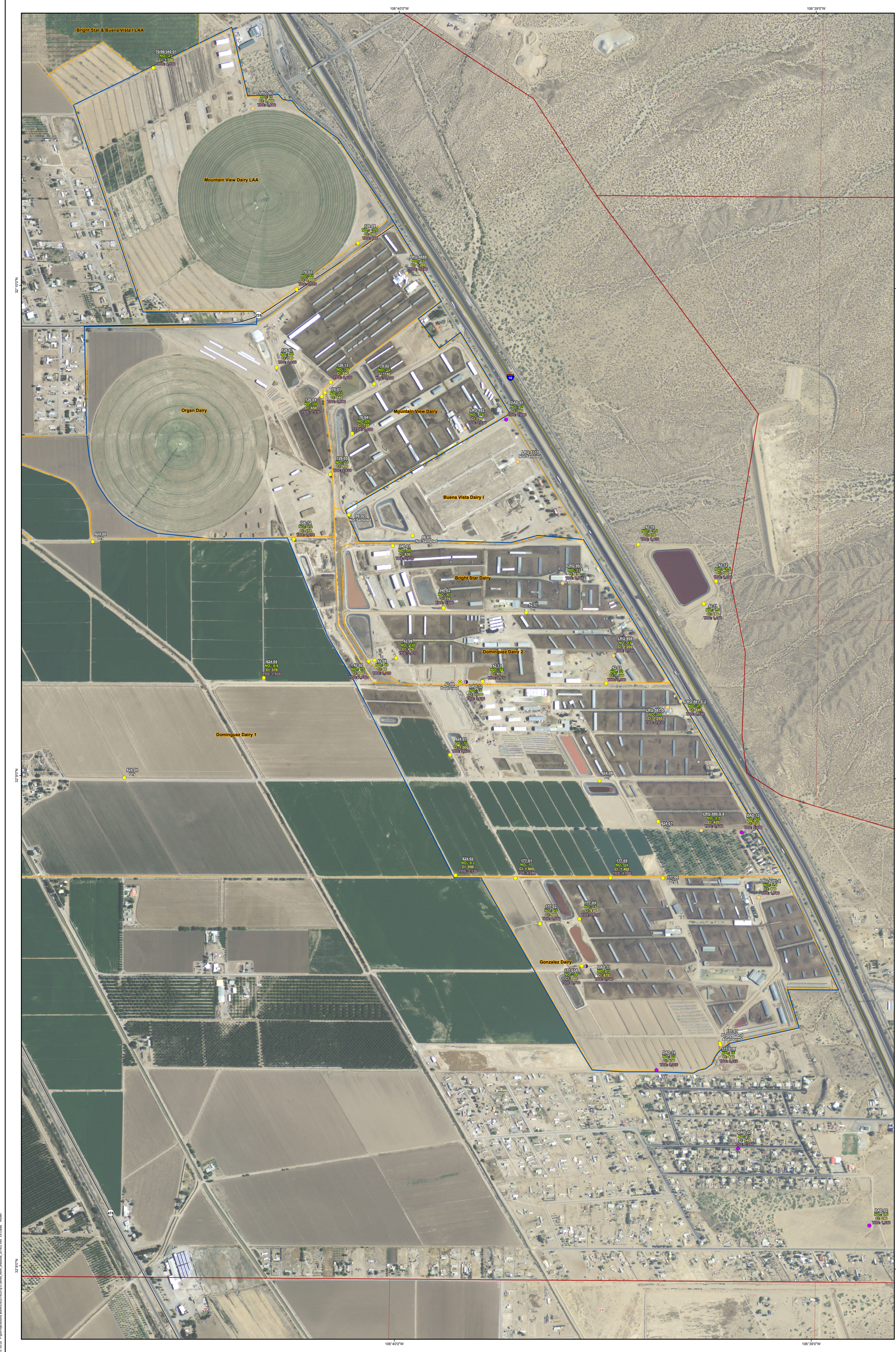
**REFERENCES**

Aerial Photography: NAIP, 2011  
 PLSS: BLM, 2000  
 Projection: State Plane NAD 83 New Mexico Central (feet)

<b>DOÑA ANA DAIRIES MESQUITE, NEW MEXICO</b>			
<b>POTENTIOMETRIC SURFACE MAP FEBRUARY 2019, SOUTHERN PORTION PERCHED AQUIFER</b>			
	PROJECT No. 1464103		SCALE AS SHOWN
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	CHECK		
	REVIEW		
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2019-06-06 P:\gis\projects\doña ana\MXDs\201902\Fig 5 SouthPerchAg\_Pot\_201902.mxd EA-Albuquerque mullen

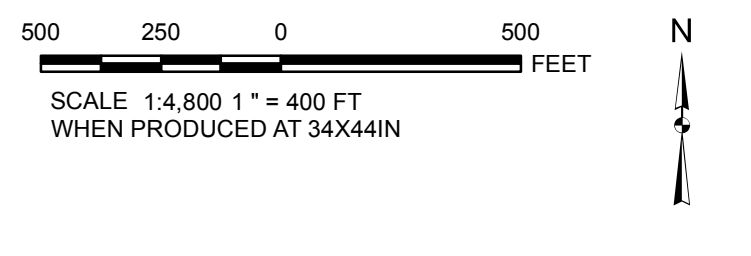




- LEGEND:**
- Abatement Plan Monitoring Well
  - Discharge Plan Monitoring Well
  - Discharge Plan Monitoring Well, Plugged and Abandoned
  - Abatement Plan Vertical Delineation Monitoring Well
  - Interstate Highway
  - State Highway
  - Other Road
  - Land Owned by Dairies
  - Land Application on Non-Dairy Property
  - Sludge 2 Abatement Plan Area
  - Public Land Survey System

**NOTES:**  
 Units are in milligrams per liter.  
 Cl = Chloride  
 NO<sub>3</sub> = Nitrate as N  
 TDS = Total Dissolved Solids

**REFERENCES**  
 Roads: Doña Ana County, 2001  
 Aerial Photography: NAIP, 2011  
 F.S.S. 84.W. 2002  
 Projection: State Plane NAD 83 New Mexico Central (feet)



PROJECT: **DOÑA ANA DAIRIES  
 MESQUITE, NEW MEXICO**

TITLE: **GROUNDWATER ANALYTICAL RESULTS  
 FEBRUARY/MARCH 2019  
 NORTHERN PORTION**

DATE:	DATE:	DATE:	DATE:
BY:	BY:	BY:	BY:
CHECKED:	CHECKED:	CHECKED:	CHECKED:
APPROVED:	APPROVED:	APPROVED:	APPROVED:

**EA** **FIGURE 6**

2019-02-28 10:45:00 AM \\snp\proj\mesquite\fig6.npw









**LEGEND:**

- Perched Aquifer Monitoring Well**
- Abatement Plan Monitoring Well
  - Discharge Plan Monitoring Well
  - ⊗ Discharge Plan Monitoring Well - Plugged and Abandoned
- Regional Aquifer Monitoring Well**
- Abatement Plan Monitoring Well
  - Discharge Plan Monitoring Well
  - Dairy Irrigation/Supply Well
- Land Owned by Dairies
  - Stage 2 Abatement Plan Area
  - Public Land Survey System

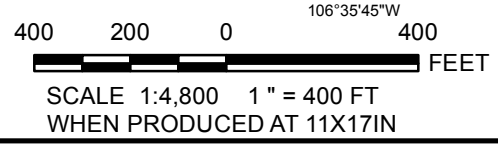
**Notes:**  
Units are in milligrams per liter.

\* = Composite sample was collected from a tank fed by the following wells: LRG-5820, LRG-5820-S, and LRG-5820-S-2.

Cl = Chloride  
NO<sub>3</sub> = Nitrate as N  
TDS = Total Dissolved Solids

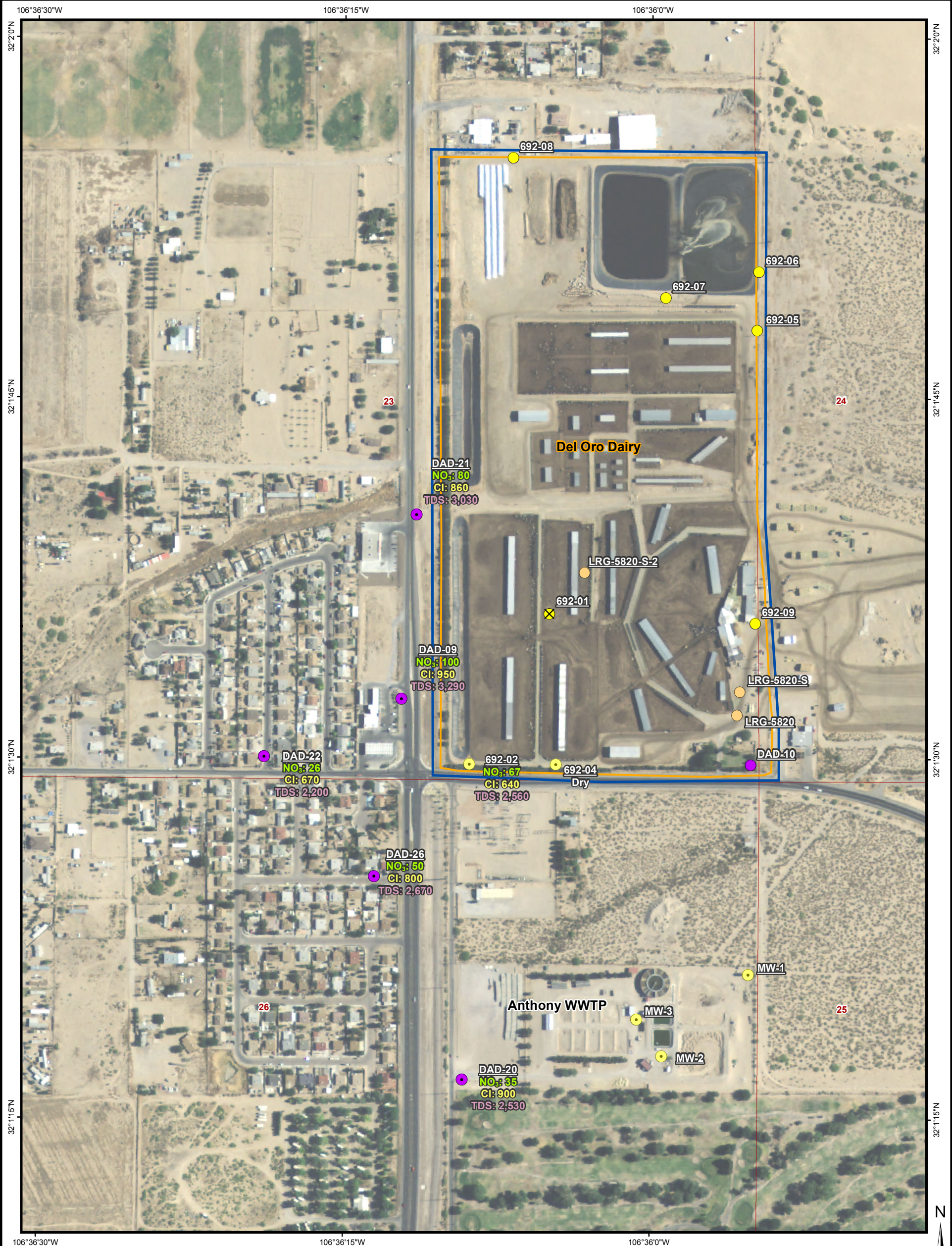
**REFERENCES**

Aerial Photography: NAIP, 2011  
PLSS: BLM, 2000  
Projection: State Plane NAD 83 New Mexico Central (feet)



<b>PROJECT</b>			
<b>DOÑA ANA DAIRIES MESQUITE, NEW MEXICO</b>			
<b>TITLE</b>			
<b>GROUNDWATER ANALYTICAL RESULTS FEBRUARY/MARCH 2019 SOUTHERN PORTION, REGIONAL AQUIFER</b>			
	PROJECT No. 1464103.0006		Fig8SouthRegionAq_Analytical.mxd
	DESIGN	NA	SCALE AS SHOWN
	GIS	RM	REV 0
	CHECK		
	REVIEW		
			<b>FIGURE 8</b>





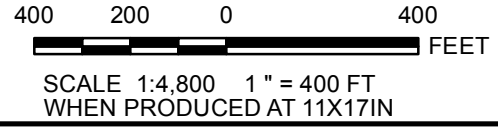
**LEGEND:**

- Perched Aquifer Monitoring Well
- Discharge Plan Monitoring Well
- Dairy Irrigation/Supply Well
- Abatement Plan Monitoring Well
- Discharge Plan Monitoring Well
- Dairy Irrigation/Supply Well
- Abatement Plan Monitoring Well
- Discharge Plan Monitoring Well
- Dairy Irrigation/Supply Well
- Abatement Plan Monitoring Well
- Discharge Plan Monitoring Well
- Dairy Irrigation/Supply Well
- Abatement Plan Monitoring Well
- Discharge Plan Monitoring Well
- Dairy Irrigation/Supply Well
- Land Owned by Dairies
- Stage 2 Abatement Plan Area
- Public Land Survey System
- ⊗ Discharge Plan Monitoring Well - Plugged and Abandoned

**Notes:**  
 Units are in milligrams per liter.  
 Cl = Chloride  
 mg/L = Milligram(s) per liter  
 NO<sub>3</sub> = Nitrate as N  
 TDS = Total Dissolved Solids

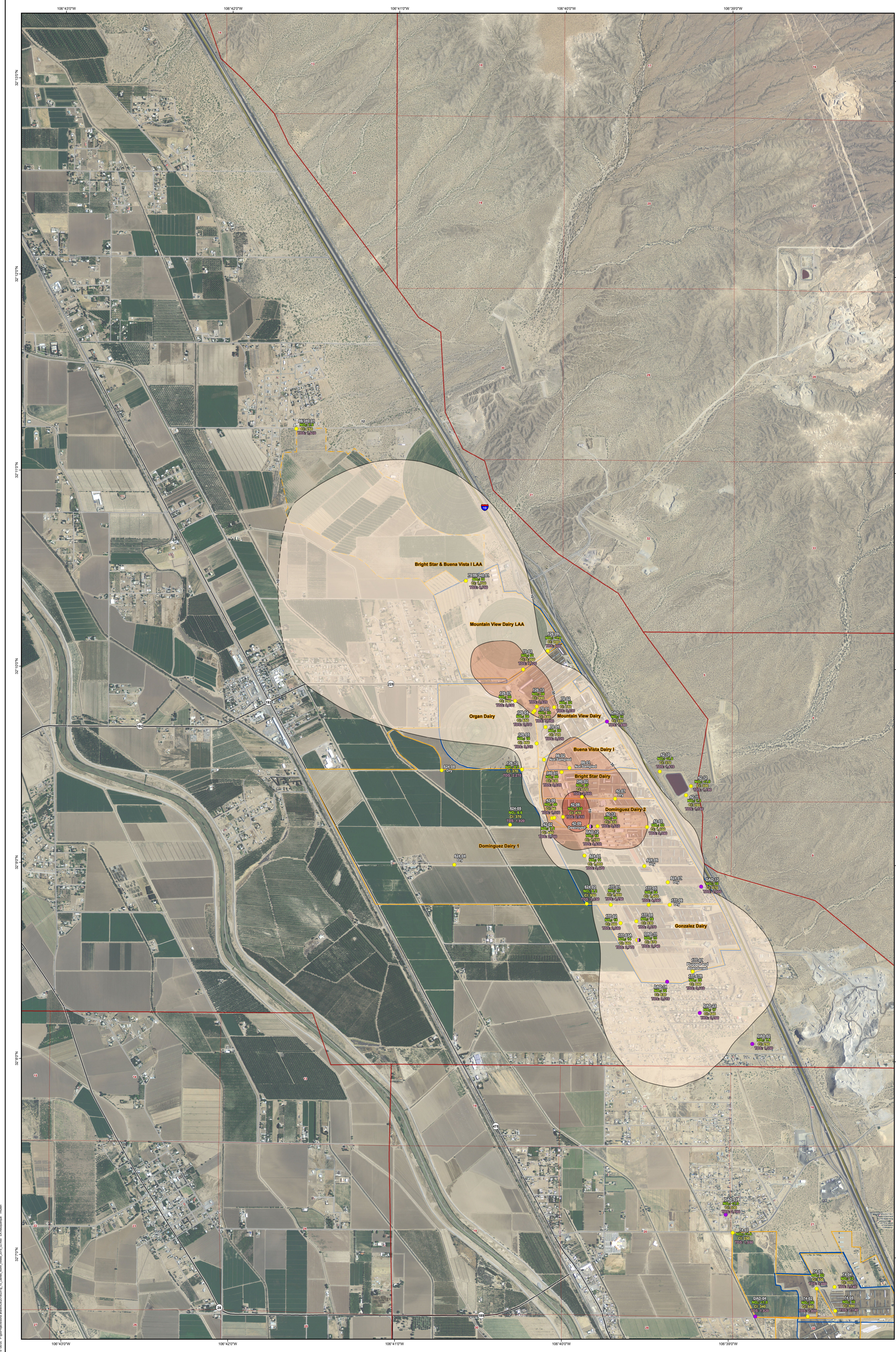
**REFERENCES**

Aerial Photography: NAIP, 2011  
 PLSS: BLM, 2000  
 Projection: State Plane NAD 83 New Mexico Central (feet)



<b>DOÑA ANA DAIRIES MESQUITE, NEW MEXICO</b>			
<b>GROUNDWATER ANALYTICAL RESULTS FEBRUARY/MARCH 2019 SOUTHERN PORTION, PERCHED AQUIFER</b>			
	PROJECT No. 1464103.0006	deloro_analytical_perched200908.mxd	
	DESIGN NA	SCALE AS SHOWN	REV 0
	GIS RM		
	CHECK		
REVIEW			FIGURE 9





**LEGEND:**

- Abatement Plan Monitoring Wells
- Discharge Plan Monitoring Wells
- Abatement Plan Vertical Delineation Monitoring Well
- Interstate Highway
- State Highway
- Other Road
- Land Owned by Dairies
- Land Application on Non-Dairy Property
- Stage 2 Abatement Plan Area
- Public Land Survey System

**Nitrate Concentration (mg/L)**

- 10-30
- 30-70
- >70

**Notes:**  
 Units are in milligrams per liter.  
 Dashed line indicates manually drawn isopleth. Solid line indicates that the isopleth was generated by Surfer based on February/March 2019 data.  
 Data from vertical delineation wells were not used in modeling.

Cl = Chloride  
 mg/L = Milligrams per liter  
 NO<sub>3</sub> = Nitrate as N  
 TDS = Total Dissolved Solids

**REFERENCES**  
 Roads: Doña Ana County, 2001  
 Aerial Photography: NAIP, 2011  
 FIPS: 34, 2007  
 Projection: State Plane NAD 83 New Mexico Central (feet)

0 200 400  
 FEET  
 SCALE 1:12,000 1" = 1,000 FT  
 WHEN PRODUCED AT 34X44IN

**PROJECT**  
**DOÑA ANA DAIRIES**  
**MESQUITE, NEW MEXICO**

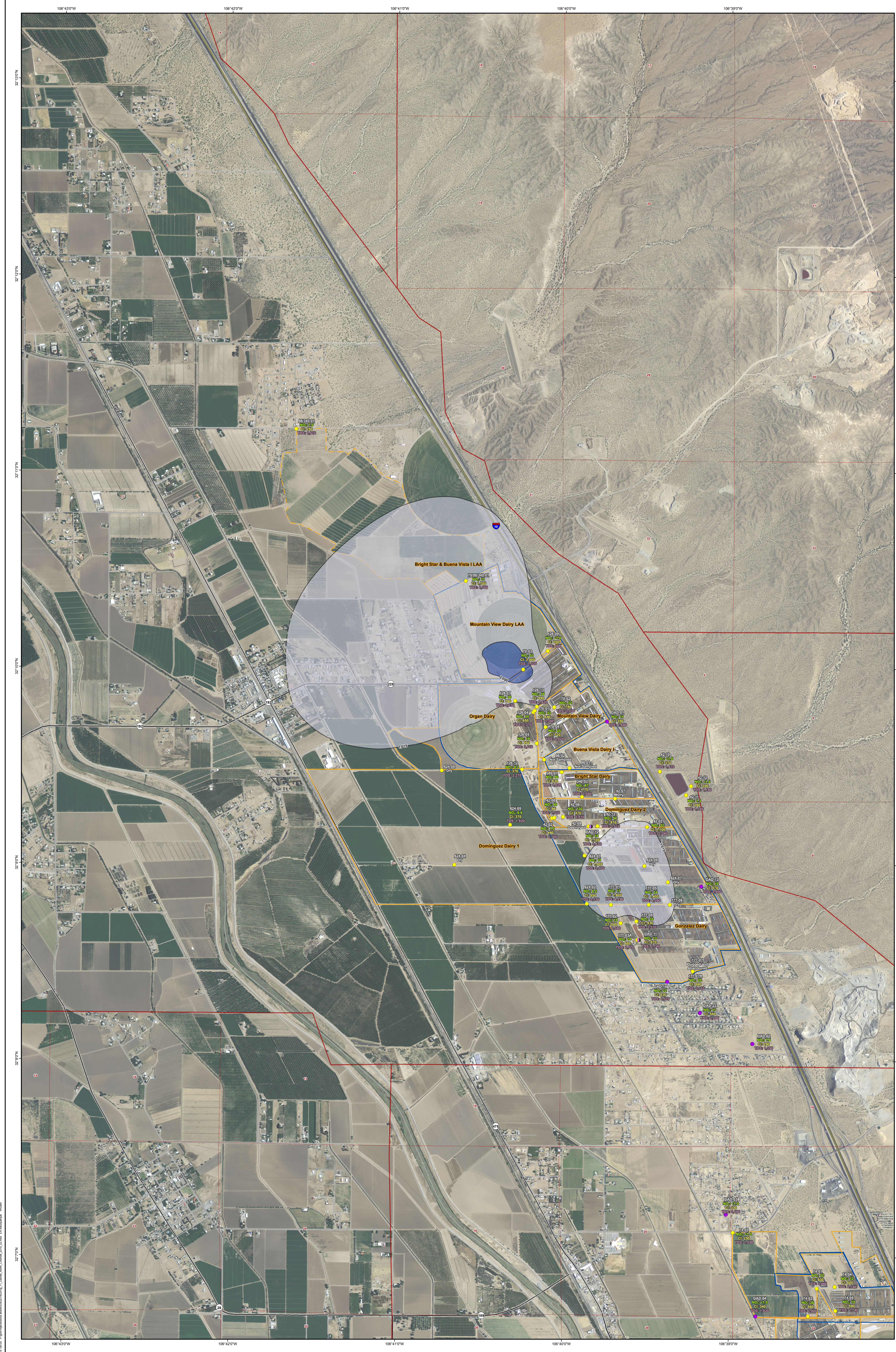
**NITRATE DISTRIBUTION IN GROUNDWATER**  
**FEBRUARY/MARCH 2019**  
**NORTHERN PORTION**

PROJECT No.	DATE	BY	CHECKED

**FIGURE 10**

2011-2020 Copyrighted by the State of New Mexico. All rights reserved. Doña Ana County, New Mexico. This map is a public record.





**LEGEND:**

- Abatement Plan Monitoring Wells
- Discharge Plan Monitoring Wells
- Abatement Plan Vertical Delineation Monitoring Well
- Interstate Highway
- State Highway
- Other Road
- Land Owned by Dairies
- Land Application on Non-Dairy Property
- Stage 2 Abatement Plan Area
- Public Land Survey System

**Chloride Concentration (mg/L)**

- 1,015-2,000
- 2,000-3,000

**Notes:**  
 Units are in milligrams per liter.  
 Dashed line indicates manually drawn isopleth. Solid line indicates that the isopleth was generated by Surfer based on February/March 2019 data.  
 Data from vertical delineation wells were not used in modeling.

Cl = Chloride  
 mg/L = Milligrams per liter  
 NO<sub>3</sub> = Nitrate as N  
 TDS = Total Dissolved Solids

**REFERENCES**  
 Roads: Doña Ana County, 2001  
 Aerial Photography: NAIP, 2011  
 FIPS: 84, 2007  
 Projection: State Plane NAD 83 New Mexico Central (feet)

0 250 500  
 FEET  
 SCALE 1:12,000 1" = 1,000 FT  
 WHEN PRODUCED AT 34X44IN

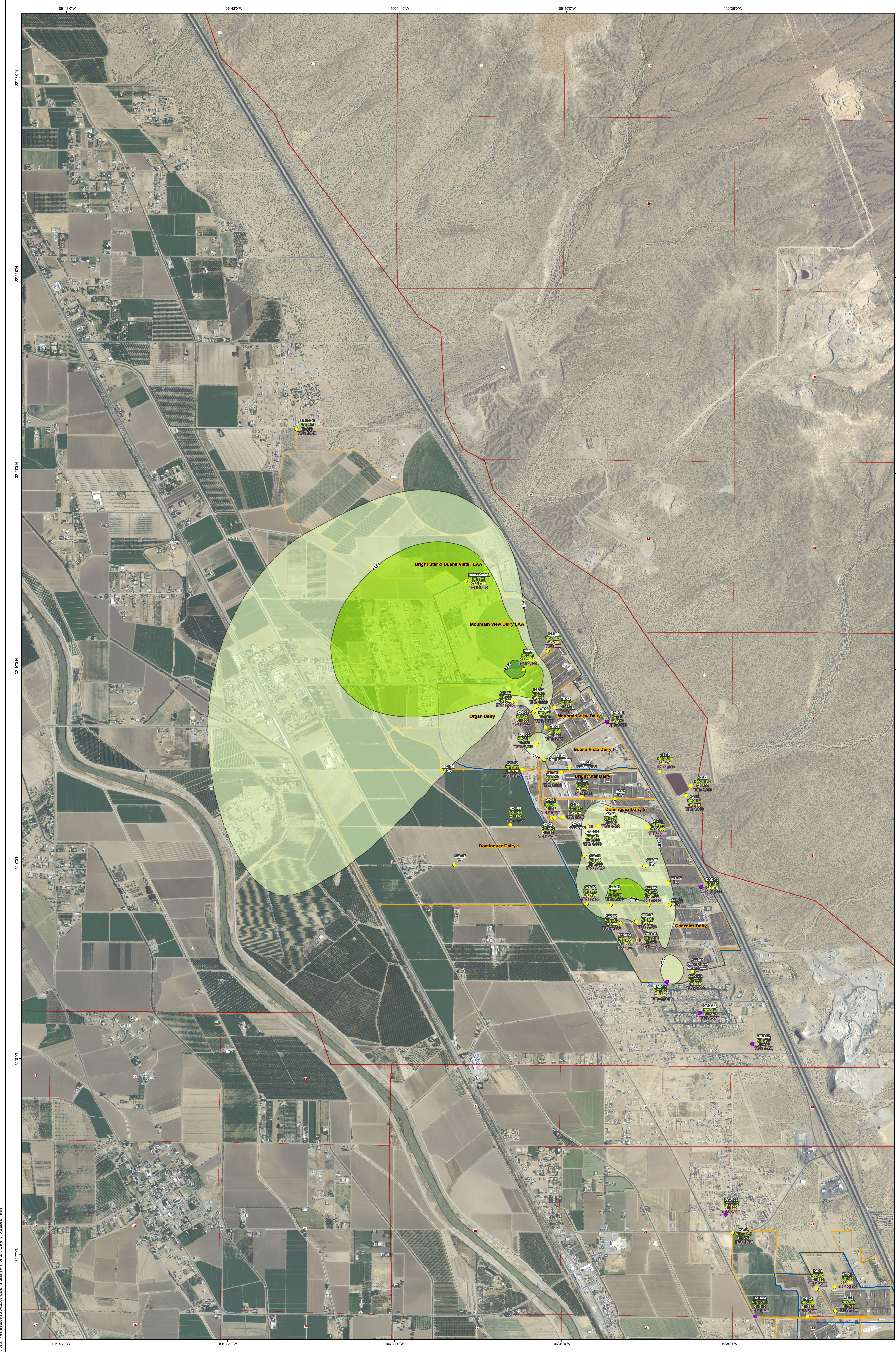
PROJECT: **DOÑA ANA DAIRIES  
 MESQUITE, NEW MEXICO**

**CHLORIDE DISTRIBUTION IN GROUNDWATER  
 FEBRUARY/MARCH 2019  
 NORTHERN PORTION**

PROJECT NO.	2019-01
DATE	03/20/2019
SCALE	1" = 1,000 FT
FIGURE	11

2019-01-20 10:45:00 AM \\s:\projects\2019\01\DOA\DOA\_2019\_01.dwg EA-AR-2019-01.dwg





- LEGEND:**
- Abatement Plan Monitoring Wells
  - Discharge Plan Monitoring Wells
  - Abatement Plan Vertical Delineation Monitoring Well
  - Interstate Highway
  - State Highway
  - Other Road
  - ▭ Land Owned by Dairies
  - ▭ Land Application on Non-Dairy Property
  - ▭ Stage 2 Abatement Plan Area
  - ▭ Public Land Survey System
- TDS Concentration (mg/L)**
- 3,178-4,000
  - 4,000-6,000
  - >6,000
- Notes:**  
 Units are in milligrams per liter.  
 Dashed line indicates manually drawn isopleth. Solid line indicates that the isopleth was generated by Surfer based on February/March 2019 data.  
 Data from vertical delineation wells were not used in modeling.
- Cl = Chloride  
 mg/L = Milligrams per liter  
 NO<sub>3</sub> = Nitrate as N  
 TDS = Total Dissolved Solids

**REFERENCES**  
 Roads: Doña Ana County, 2001  
 Aerial Photography: NAIP, 2011  
 FIPS: 844, 2000  
 Projection: State Plane NAD 83 New Mexico Central (feet)

0 250 0 500  
 FEET  
 SCALE 1:12,000 1" = 1,000 FT  
 WHEN PRODUCED AT 34X44IN

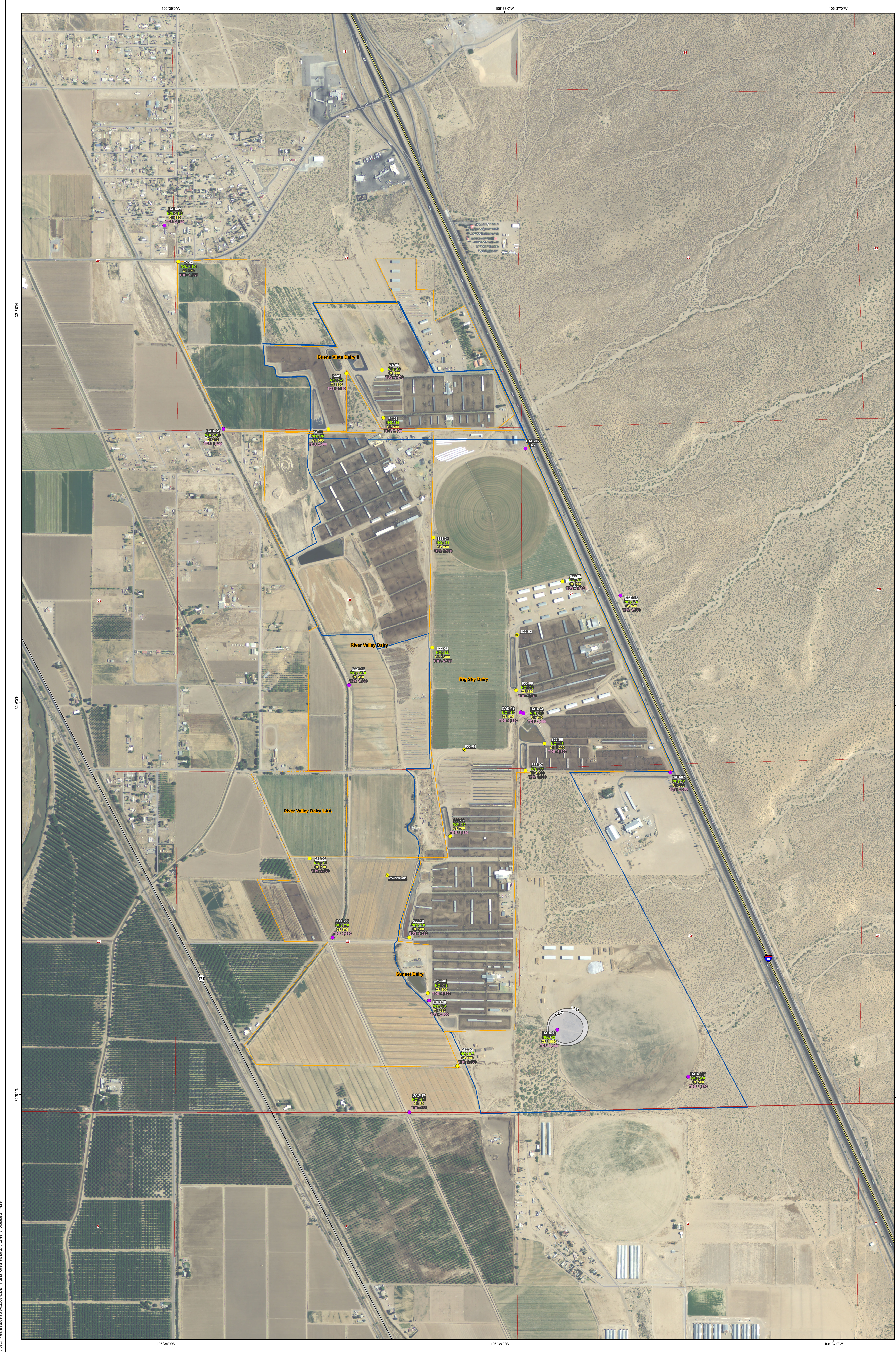
PROJECT		<b>DOÑA ANA DAIRIES MESQUITE, NEW MEXICO</b>	
TITLE		<b>TDS DISTRIBUTION IN GROUNDWATER FEBRUARY/MARCH 2019 NORTHERN PORTION</b>	
PROJECT NO.	DATE	SCALE	FIGURE 12

2019 02 08 10:00 AM C:\Users\jwheeler\Desktop\TDS\_2019\_02\_08.mxd





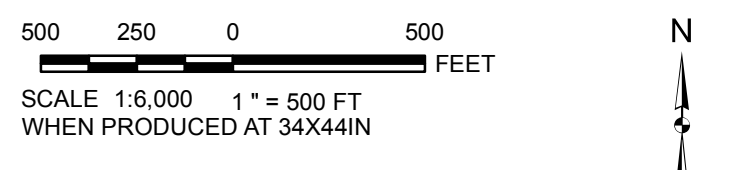




- LEGEND:**
- Abatement Plan Monitoring Well
  - Discharge Plan Monitoring Well
  - Discharge Plan Monitoring Well, Plugged and Abandoned
  - Abatement Plan Vertical Delineation Monitoring Well
  - Interstate Highway
  - State Highway
  - Other Road
  - Land Owned by Dairies
  - Land Application on Non-Dairy Property
  - Stage 2 Abatement Plan Area
  - Public Land Survey System
- Chloride Concentration (mg/L)**
- 1,781
  - 1,800

**Notes:**  
 Units are in milligrams per liter.  
 Dashed line indicates manually drawn isopleth. Solid line indicates that the isopleth was generated by Surfer based on February/March 2019 data.  
 \* = Not used in modeling. Well likely completed in perched aquifer.  
 Cl = Chloride  
 mg/L = Milligrams per liter  
 NO<sub>3</sub> = Nitrate as N  
 NS = Not sampled  
 TDS = Total dissolved solids

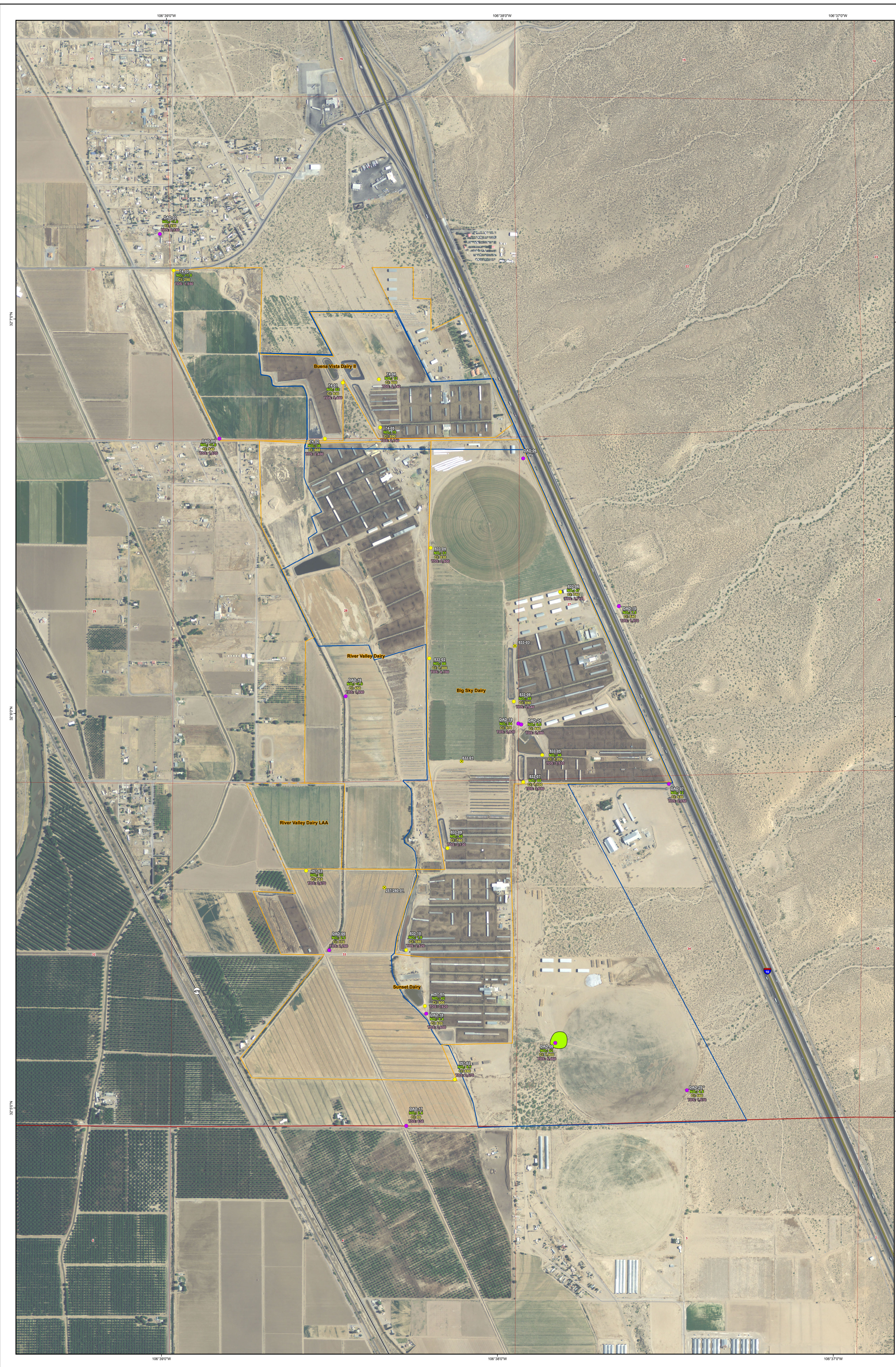
**REFERENCES**  
 Roads: Doña Ana County, 2001  
 Aerial Photography: NAIP, 2011  
 F.S.S. BLM, 2002  
 Projection: State Plane NAD 83 New Mexico Central (feet)



PROJECT	
DOÑA ANA DAIRIES MESQUITE, NEW MEXICO	
CHLORIDE DISTRIBUTION IN GROUNDWATER FEBRUARY/MARCH 2019 CENTRAL PORTION	
PROJECT No.	14-0000
DATE	02/20/19
SCALE	1" = 500 FT
FIGURE	14

2019 02/20 10:00 AM C:\Users\james\Documents\14-0000\14-0000\_022019.mxd

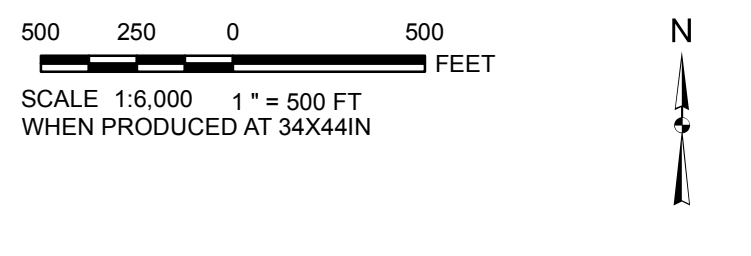




- LEGEND:**
- Abatement Plan Monitoring Well
  - Discharge Plan Monitoring Well
  - Discharge Plan Monitoring Well, Plugged and Abandoned
  - Abatement Plan Vertical Delineation Monitoring Well
  - Interstate Highway
  - State Highway
  - Other Road
  - Land Owned by Dairies
  - Land Application on Non-Dairy Property
  - Stage 2 Abatement Plan Area
  - Public Land Survey System
  - TDS Concentration (mg/L)
  - 4,000-6,000

**NOTES:**  
 Units are in milligrams per liter.  
 Dashed line indicates manually drawn isopleth. Solid line indicates that the isopleth was generated by Surfer based on February/March 2019 data.  
 \* = Not used in modeling. Well likely completed in perched aquifer.  
 Cl = Chloride  
 mg/L = Kilograms per liter  
 NO<sub>3</sub>-N = Nitrate as N  
 NS = Not sampled  
 TDS = Total dissolved solids

**REFERENCES**  
 Roads: Doña Ana County, 2001  
 Aerial Photography: NAIP, 2011  
 F.S.S. BLM, 2002  
 Projection: State Plane NAD 83 New Mexico Central (feet)



PROJECT		DOÑA ANA DAIRIES MESQUITE, NEW MEXICO	
TITLE		TDS DISTRIBUTION IN GROUNDWATER FEBRUARY/MARCH 2019 CENTRAL PORTION	
DATE	ISSUE	SCALE	FIGURE 15

2019 02 20 10:00 AM \\pfs\pfsadmin\work\20190220\TDS\_15\_Dairies\_Central\_Mesquite\_15.dwg (A:\Work\mesquite)





**LEGEND:**

- Perched Aquifer Monitoring Well**
- Abatement Plan Monitoring Well
  - Discharge Plan Monitoring Well
  - ✕ Discharge Plan Monitoring Well - Plugged and Abandoned
- Regional Aquifer Monitoring Well**
- Abatement Plan Monitoring Well
  - Discharge Plan Monitoring Well
- Land Owned by Dairies
  - Stage 2 Abatement Plan Area
  - Public Land Survey System
- Nitrate Concentration (mg/L)**
- 10-30

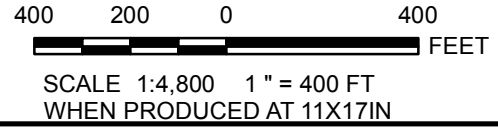
**Notes:**

Units are in milligrams per liter.  
 Dashed line indicates manually drawn isopleth. Solid line indicates that the isopleth was generated by Surfer based on February/March 2019 data.

Cl = Chloride  
 NO<sub>3</sub> = Nitrate as N  
 TDS = Total Dissolved Solids

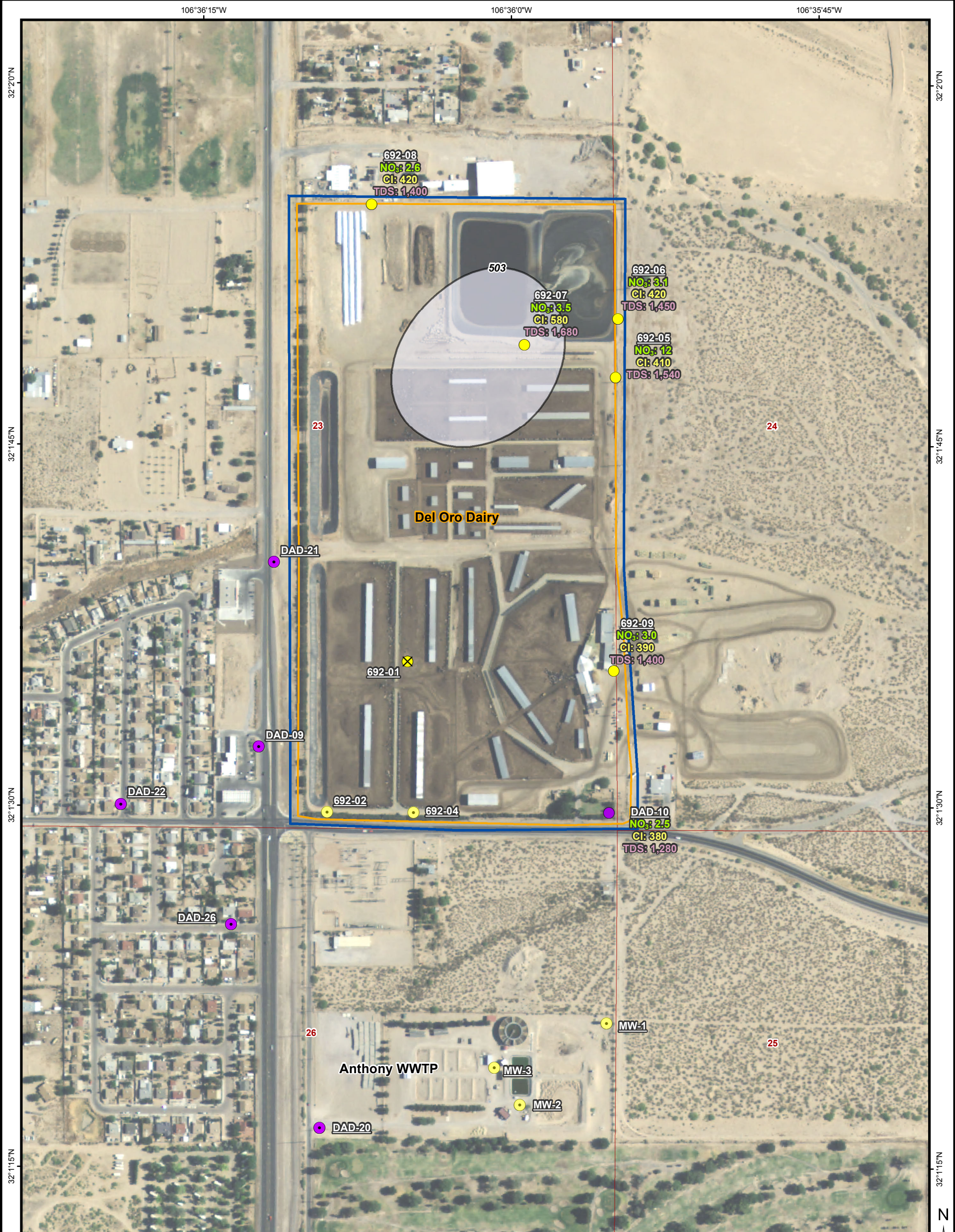
**REFERENCES**

Aerial Photography: NAIP, 2011  
 PLSS: BLM, 2000  
 Projection: State Plane NAD 83 New Mexico Central (feet)



<b>DOÑA ANA DAIRIES MESQUITE, NEW MEXICO</b>				
<b>NITRATE DISTRIBUTION IN GROUNDWATER FEBRUARY/MARCH 2019 SOUTHERN PORTION, REGIONAL AQUIFER</b>				
	PROJECT No. 1464103.0006		<b>FIGURE 16</b>	
	DESIGN	NA		SCALE AS SHOWN
	GIS	RM		REV 0
	CHECK			
	REVIEW			





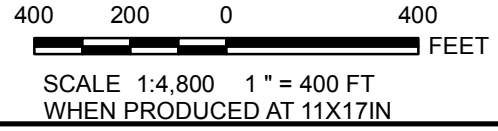
**LEGEND:**

- Perched Aquifer Monitoring Well**
- Abatement Plan Monitoring Well
  - Discharge Plan Monitoring Well
  - ⊗ Discharge Plan Monitoring Well - Plugged and Abandoned
- Regional Aquifer Monitoring Well**
- Abatement Plan Monitoring Well
  - Discharge Plan Monitoring Well
  - Land Owned by Dairies
  - Stage 2 Abatement Plan Area
  - Public Land Survey System
- Chloride Concentration (mg/L)**
- 503-600

**Notes:**  
 Units are in milligrams per liter.  
 Dashed line indicates manually drawn isopleth. Solid line indicates that the isopleth was generated by Surfer based on February/March 2019 data.

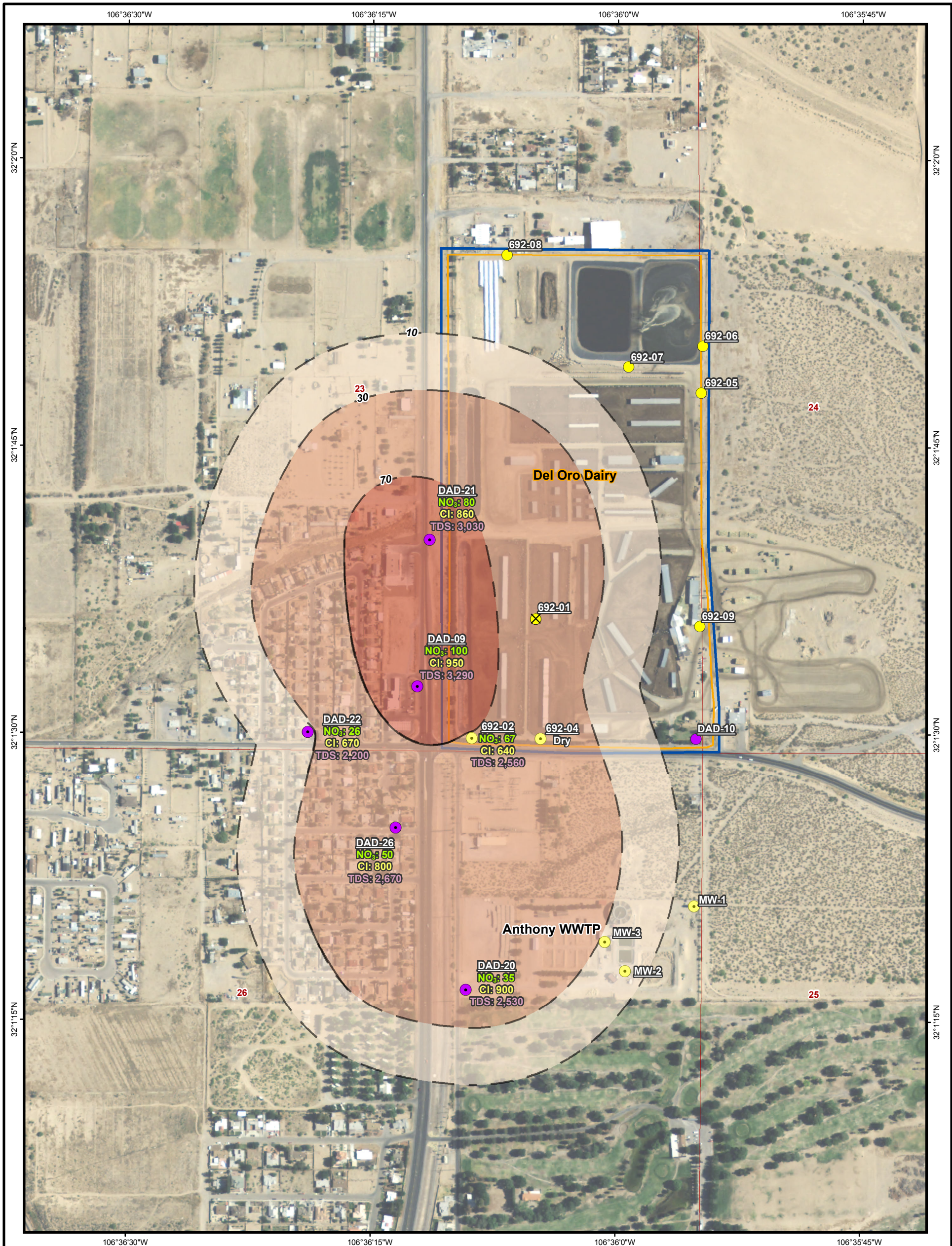
Cl = Chloride  
 NO<sub>3</sub> = Nitrate as N  
 TDS = Total Dissolved Solids

**REFERENCES**  
 Aerial Photography: NAIP, 2011  
 PLSS: BLM, 2000  
 Projection: State Plane NAD 83 New Mexico Central (feet)



PROJECT				
<b>DOÑA ANA DAIRIES MESQUITE, NEW MEXICO</b>				
<b>CHLORIDE DISTRIBUTION IN GROUNDWATER FEBRUARY/MARCH 2019 SOUTHERN PORTION, REGIONAL AQUIFER</b>				
	PROJECT No. 1464103.0006		<b>FIGURE 17</b>	
	DESIGN	NA		SCALE AS SHOWN
	GIS	RM		REV 0
	CHECK			
REVIEW				





- Perched Aquifer Monitoring Well**
- Abatement Plan Monitoring Well
  - Discharge Plan Monitoring Well
  - ✕ Discharge Plan Monitoring Well - Plugged and Abandoned
- Regional Aquifer Monitoring Well**
- Abatement Plan Monitoring Well
  - Discharge Plan Monitoring Well
- Nitrate Concentration (mg/L)**
- 10-30
  - 30-70
  - >70

Public Land Survey System

Land Owned by Dairies

Stage 2 Abatement Plan

Units are in milligrams per liter.  
 Dashed line indicates manually drawn isopleth. Solid line indicates that the isopleth was generated by Surfer based on February/March 2019 data.

Cl = Chloride  
 mg/L = Milligram(s) per liter  
 NO<sub>3</sub> = Nitrate as N  
 TDS = Total Dissolved Solids

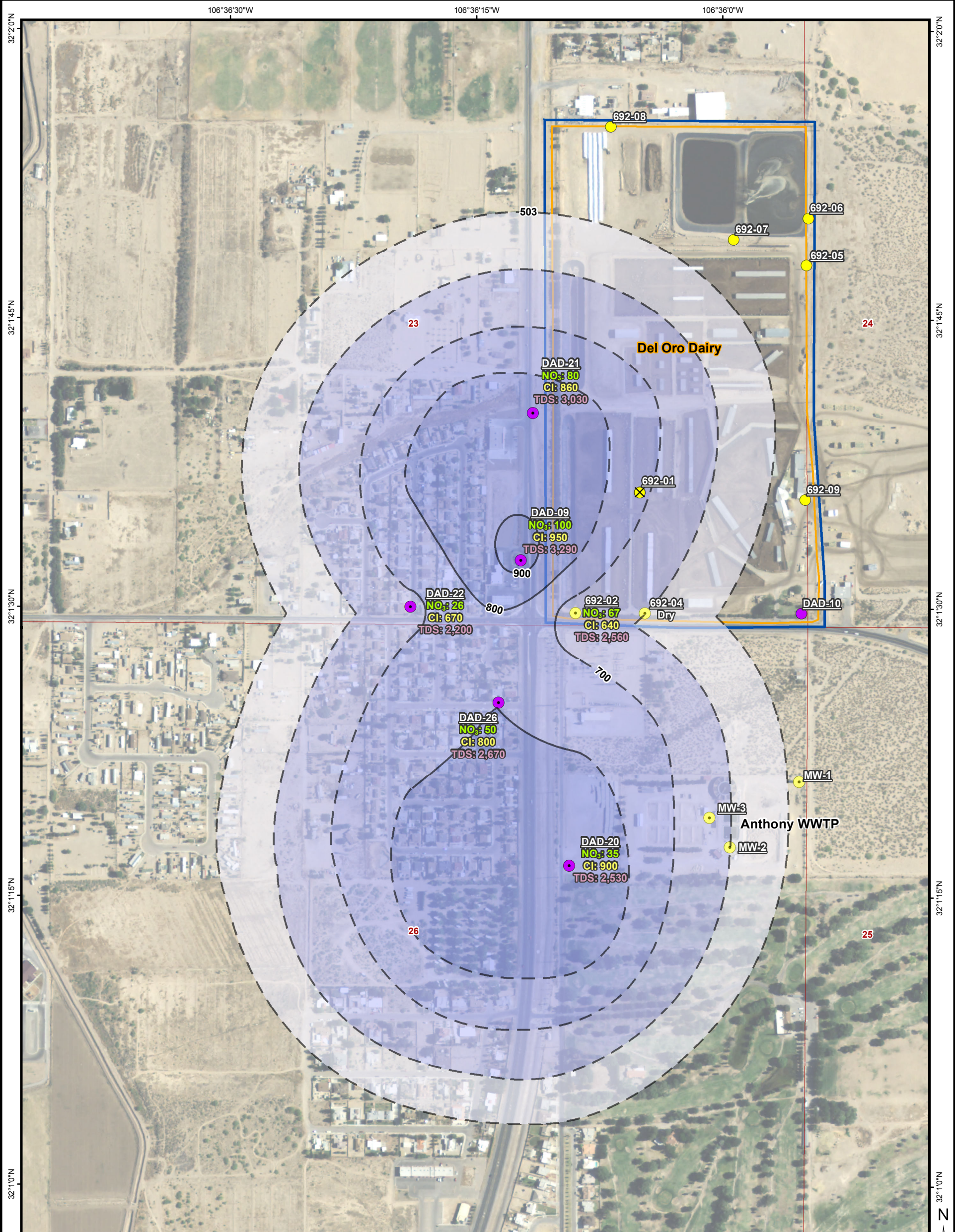
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SCALE 1:6,000 1" = 500 FT  
 WHEN PRODUCED AT 11X17IN

Aerial Photography: NAIP, 2011  
 PLSS: BLM, 2000  
 Projection: State Plane NAD 83 New Mexico Central (feet)

<b>DOÑA ANA DAIRIES MESQUITE, NEW MEXICO</b>			
<b>NITRATE DISTRIBUTION IN GROUNDWATER FEBRUARY/MARCH 2019 SOUTHERN PORTION, PERCHED AQUIFER</b>			
	PROJECT No. 1464103.0006	SCALE AS SHOWN	REV 0
	DESIGN NA		
	GIS RM		
	CHECK		
REVIEW			
			FIGURE 18





**LEGEND:**

- Abatement Plan Monitoring Wells
- Discharge Plan Monitoring Wells
- ✕ Discharge Plan Monitoring Well - Plugged and Abandoned
- Land Owned by Dairies
- Stage 2 Abatement Plan Area
- Public Land Survey System

**Chloride Concentration (mg/L)**

- 503-600
- 600-700
- 700-800
- 800-900
- >900

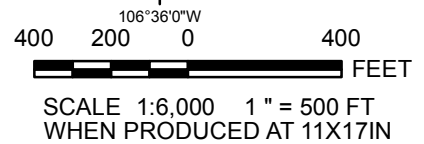
**REFERENCES**

Aerial Photography: NAIP, 2011  
 PLSS: BLM, 2000  
 Projection: State Plane NAD 83 New Mexico Central (feet)

**Notes:**

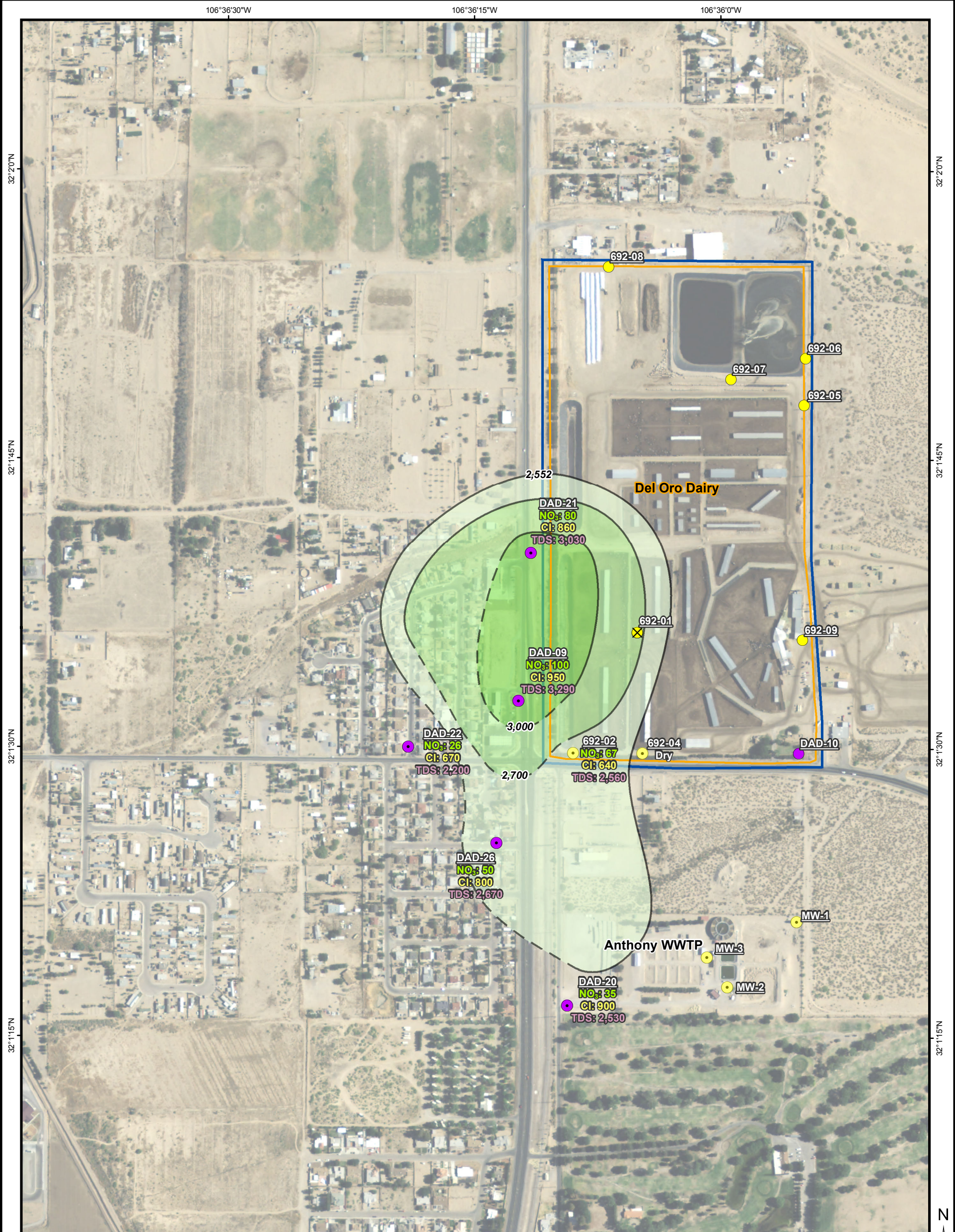
Units are in milligrams per liter.  
 Dashed line indicates manually drawn isopleth.  
 Solid line indicates that the isopleth was generated by Surfer based on February/March 2019 data.

Cl = Chloride  
 mg/L = Milligram(s) per liter  
 NO<sub>3</sub> = Nitrate as N  
 TDS = Total Dissolved Solids



<b>DOÑA ANA DAIRIES MESQUITE, NEW MEXICO</b>				
<b>CHLORIDE DISTRIBUTION IN GROUNDWATER FEBRUARY/MARCH 2019 SOUTHERN PORTION, PERCHED AQUIFER</b>				
	PROJECT No. 1464103.0006		<b>FIGURE 19</b>	
	DESIGN	NA		SCALE AS SHOWN
	GIS	RM		REV 0
	CHECK			
REVIEW				





**LEGEND:**

- Perched Aquifer Monitoring Well**
- Abatement Plan Monitoring Well
  - Discharge Plan Monitoring Well
  - ✕ Discharge Plan Monitoring Well
- Regional Aquifer Monitoring Well**
- Abatement Plan Monitoring Well
  - Discharge Plan Monitoring Well
- Land Owned by Dairies
  - Stage 2 Abatement Plan Area
  - Public Land Survey System

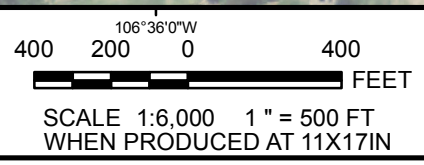
**TDS Concentration (mg/L)**

- 2,552-2,700
- 2,700-3,000
- >3,000

**Notes:**  
Units are in milligrams per liter.

Cl = Chloride  
mg/L = Milligram(s) per liter  
NO<sub>3</sub> = Nitrate as N  
TDS = Total Dissolved Solids

**REFERENCES**  
Aerial Photography: NAIP, 2011  
PLSS: BLM, 2000  
Projection: State Plane NAD 83 New Mexico Central (feet)



<b>DOÑA ANA DAIRIES MESQUITE, NEW MEXICO</b>				
<b>TDS DISTRIBUTION IN GROUNDWATER FEBRUARY/MARCH 2019 SOUTHERN PORTION, PERCHED AQUIFER</b>				
	PROJECT No. 1464103.0006		<b>FIGURE 20</b>	
	DESIGN	NA		SCALE AS SHOWN
	GIS	RM		REV 0
	CHECK			
REVIEW				



**APPENDIX A**

**FIELD FORMS**

**(Provided in Electronic Format via CD Located on Front Cover of Report)**



**APPENDIX B**

**ANALYTICAL LABORATORY REPORTS**

**(Provided in Electronic Format via CD Located on Front Cover of Report)**



**APPENDIX C**  
**HYDROGRAPHS**



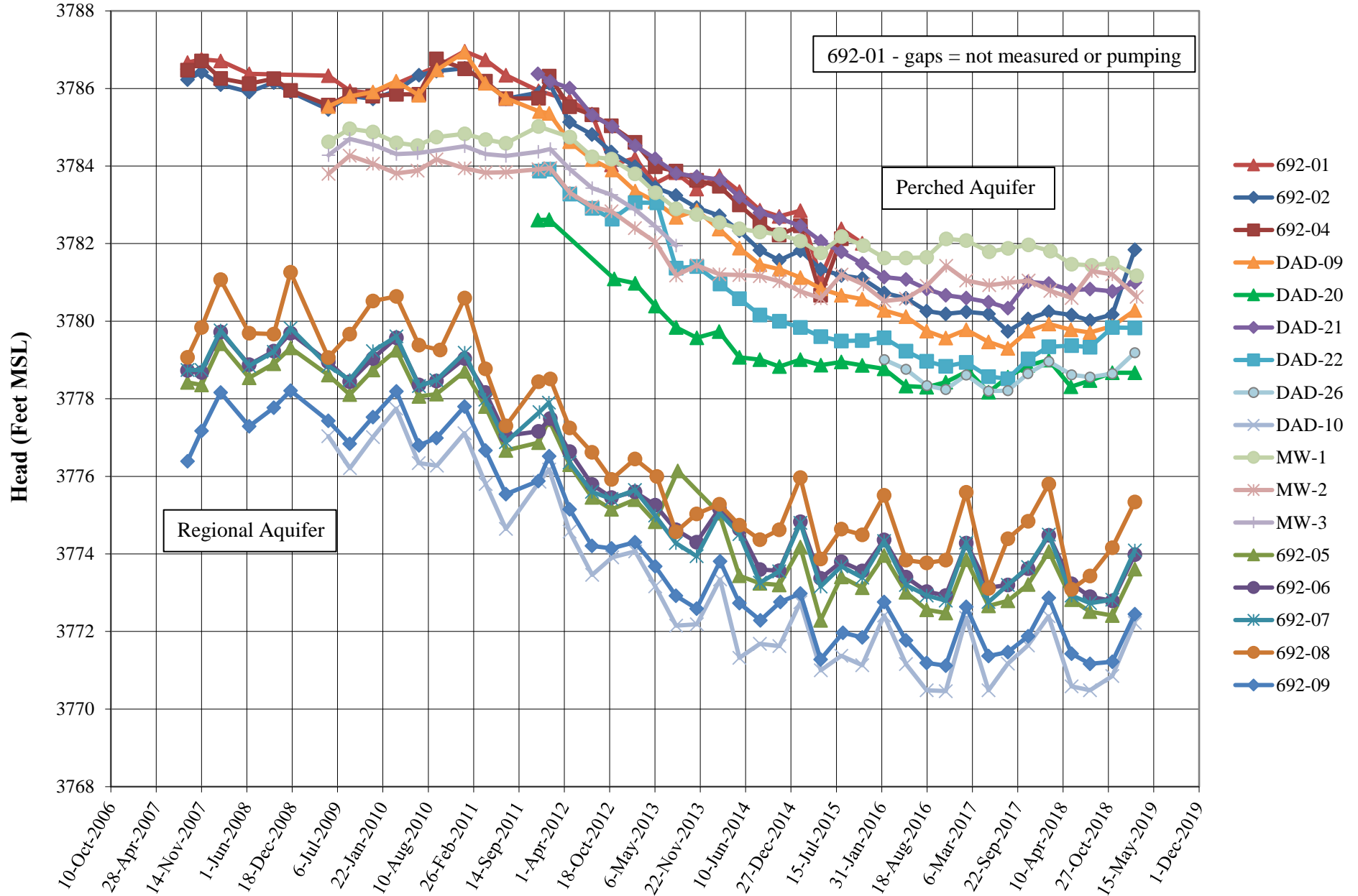








## HYDROGRAPHS FOR DP MONITORING WELLS SOUTHERN PORTION DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

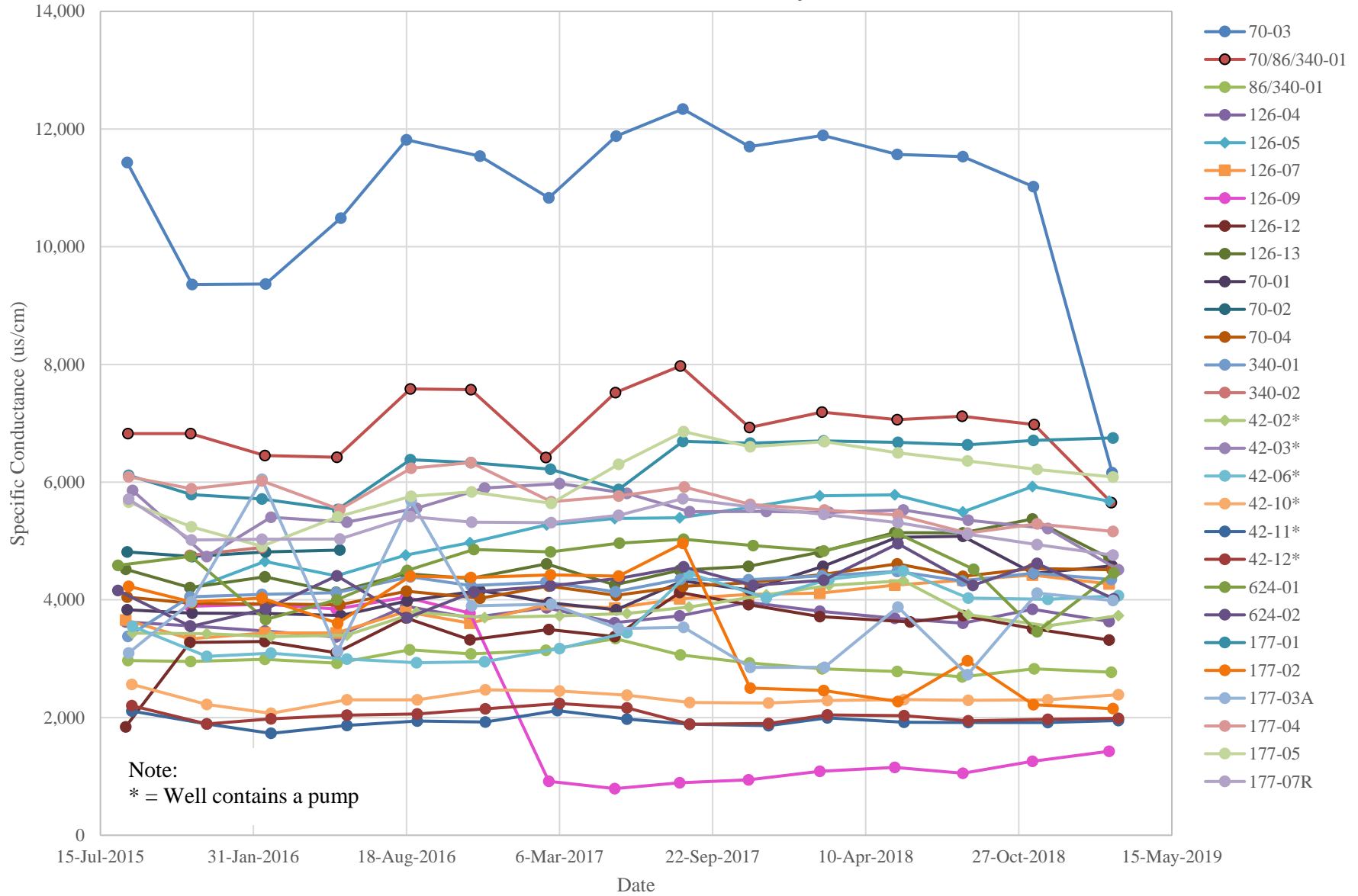




**APPENDIX D**  
**FIELD PARAMETER TRENDS BY AREA**

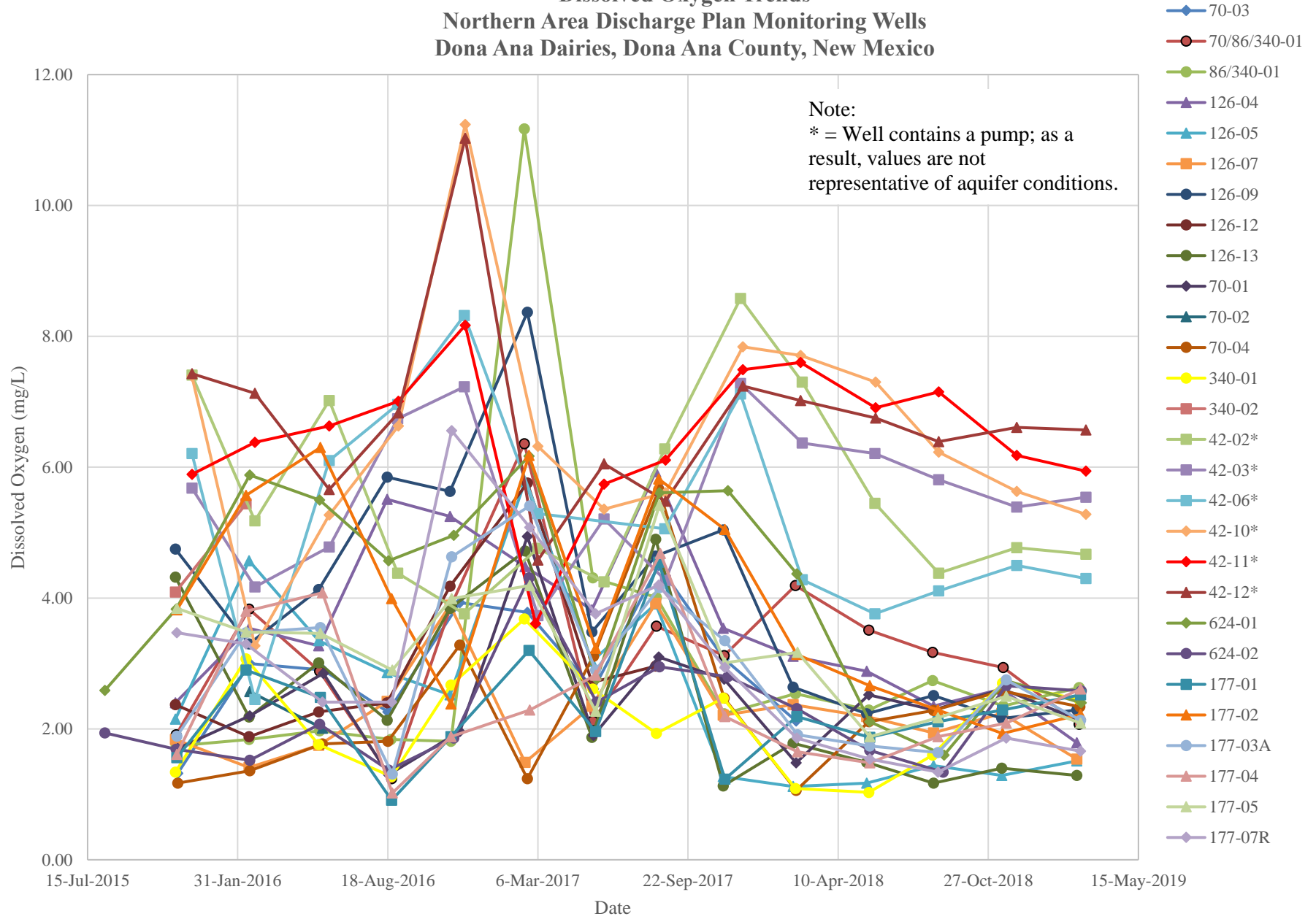


# Specific Conductance Trends Northern Area Discharge Plan Monitoring Wells Dona Ana Dairies, Dona Ana County, New Mexico



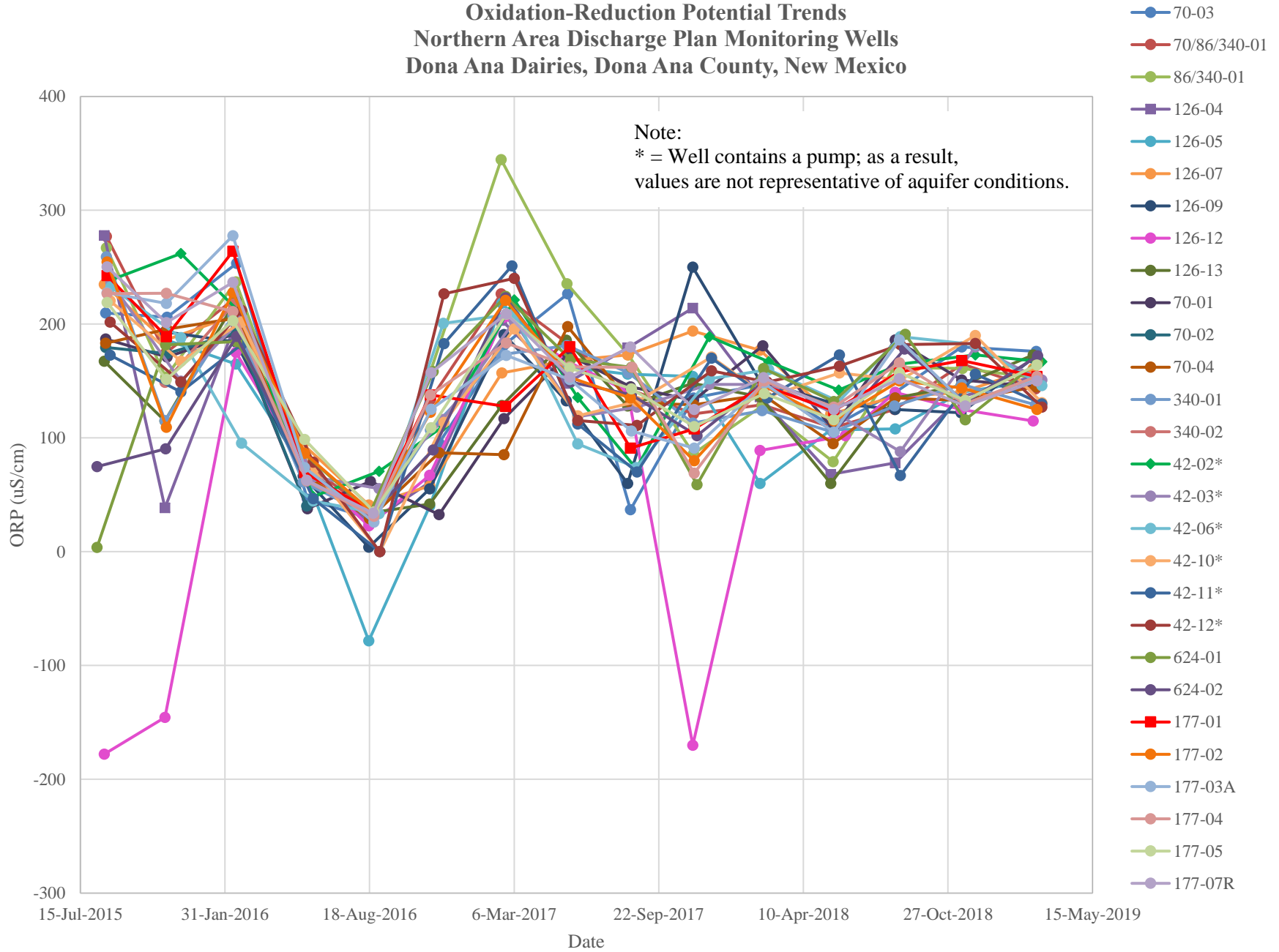


**Dissolved Oxygen Trends**  
**Northern Area Discharge Plan Monitoring Wells**  
**Dona Ana Dairies, Dona Ana County, New Mexico**



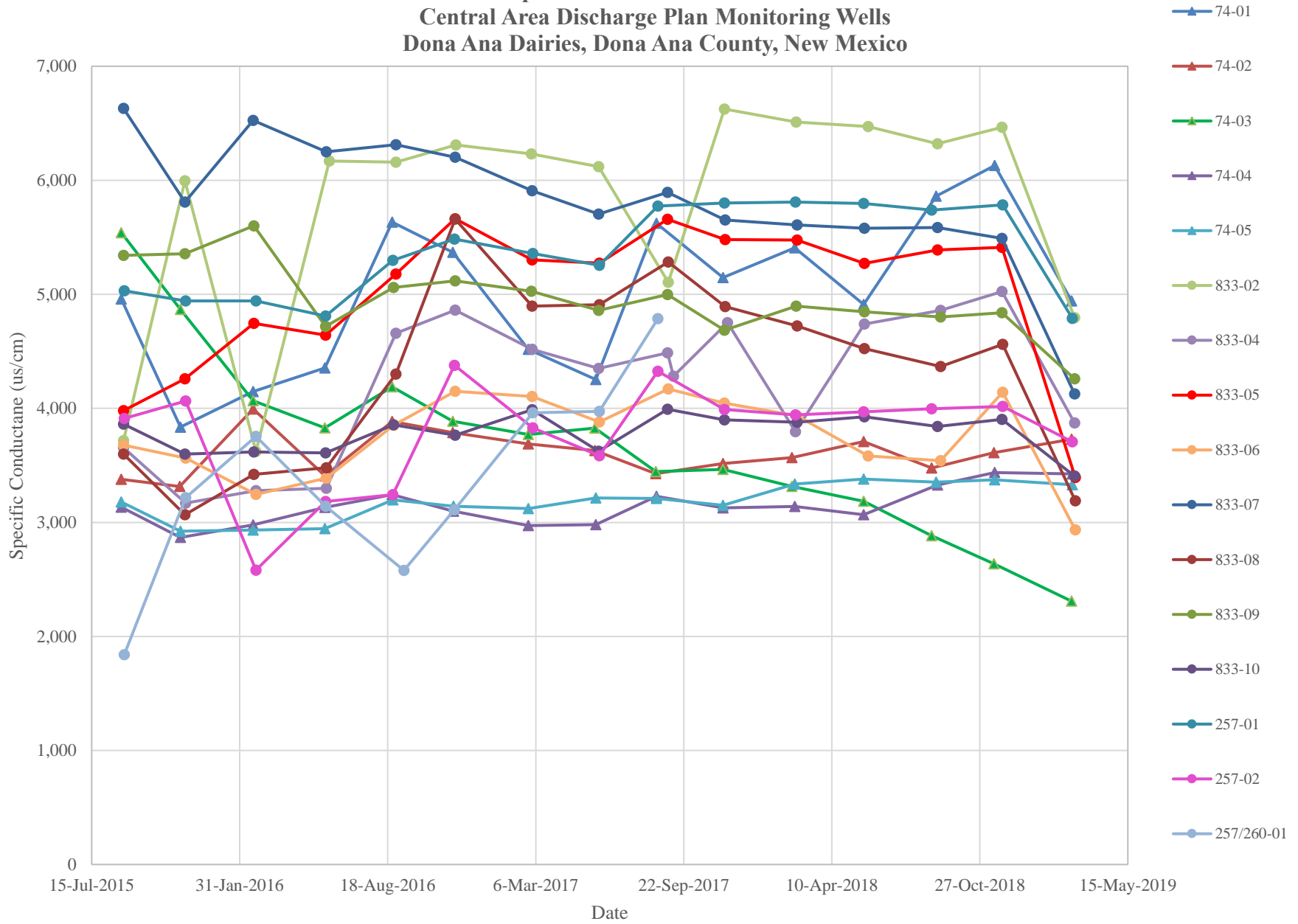


**Oxidation-Reduction Potential Trends**  
**Northern Area Discharge Plan Monitoring Wells**  
**Dona Ana Dairies, Dona Ana County, New Mexico**



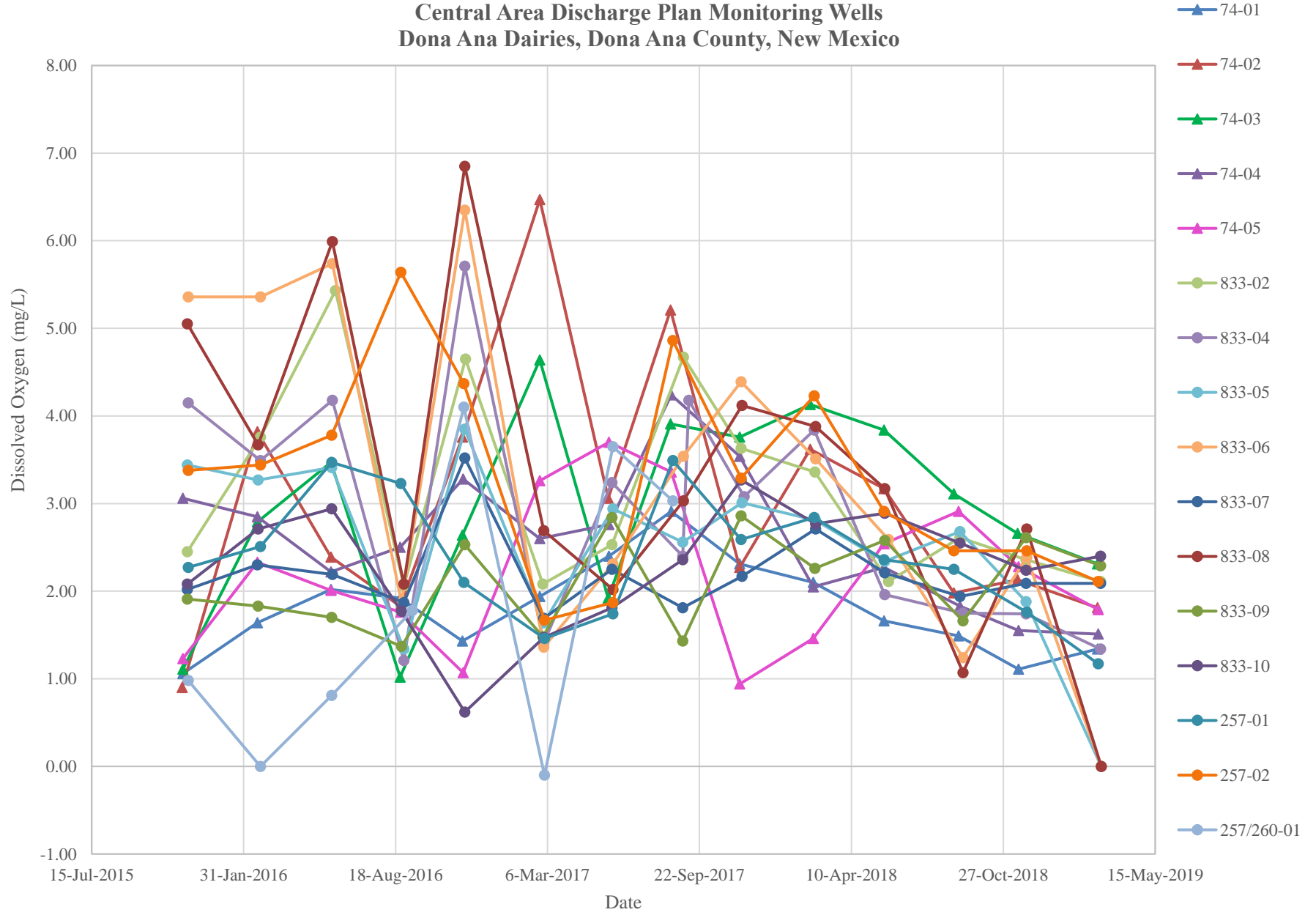


Specific Conductance Trends  
Central Area Discharge Plan Monitoring Wells  
Dona Ana Dairies, Dona Ana County, New Mexico





**Dissolved Oxygen Trends**  
**Central Area Discharge Plan Monitoring Wells**  
**Dona Ana Dairies, Dona Ana County, New Mexico**

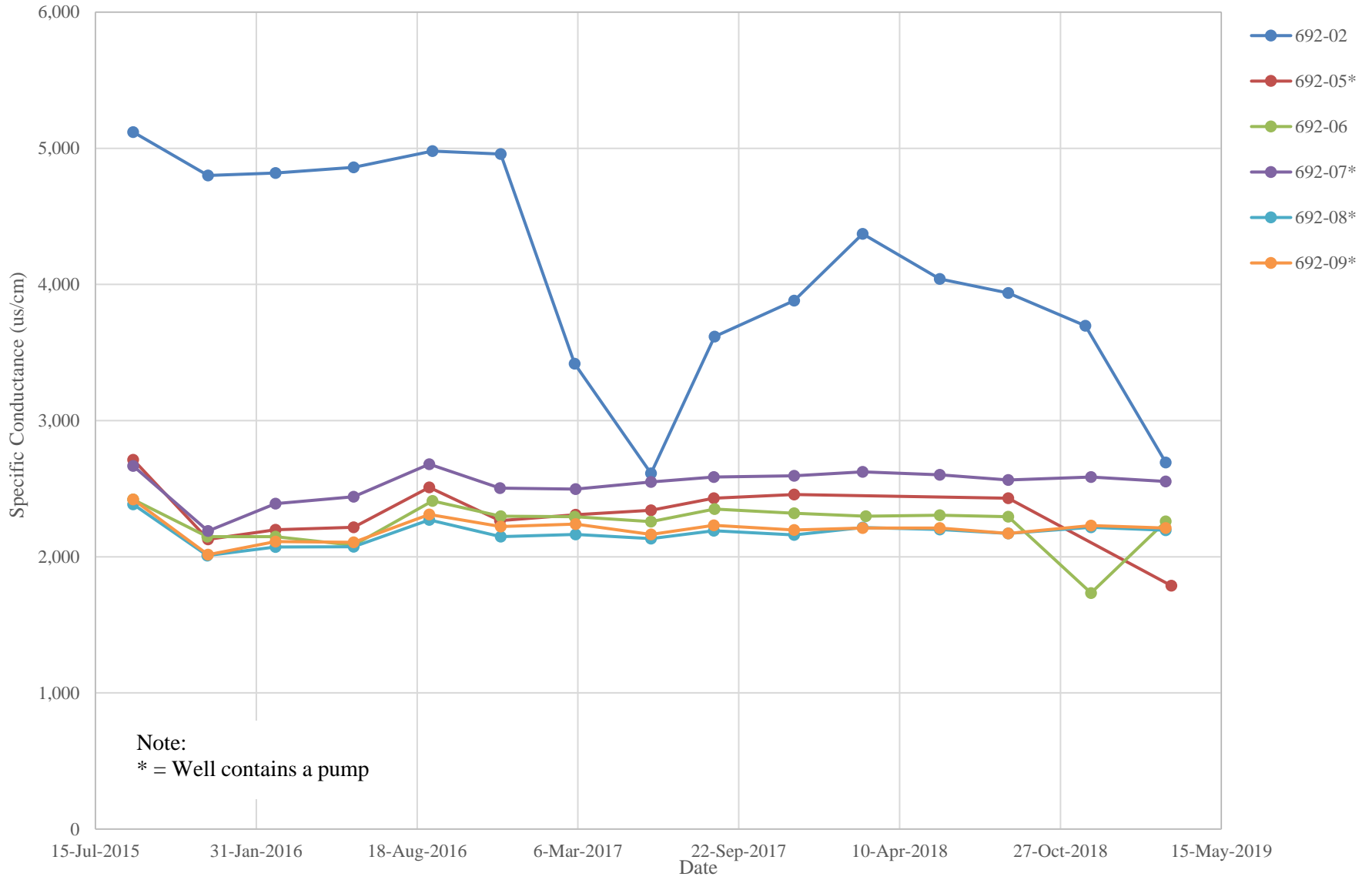






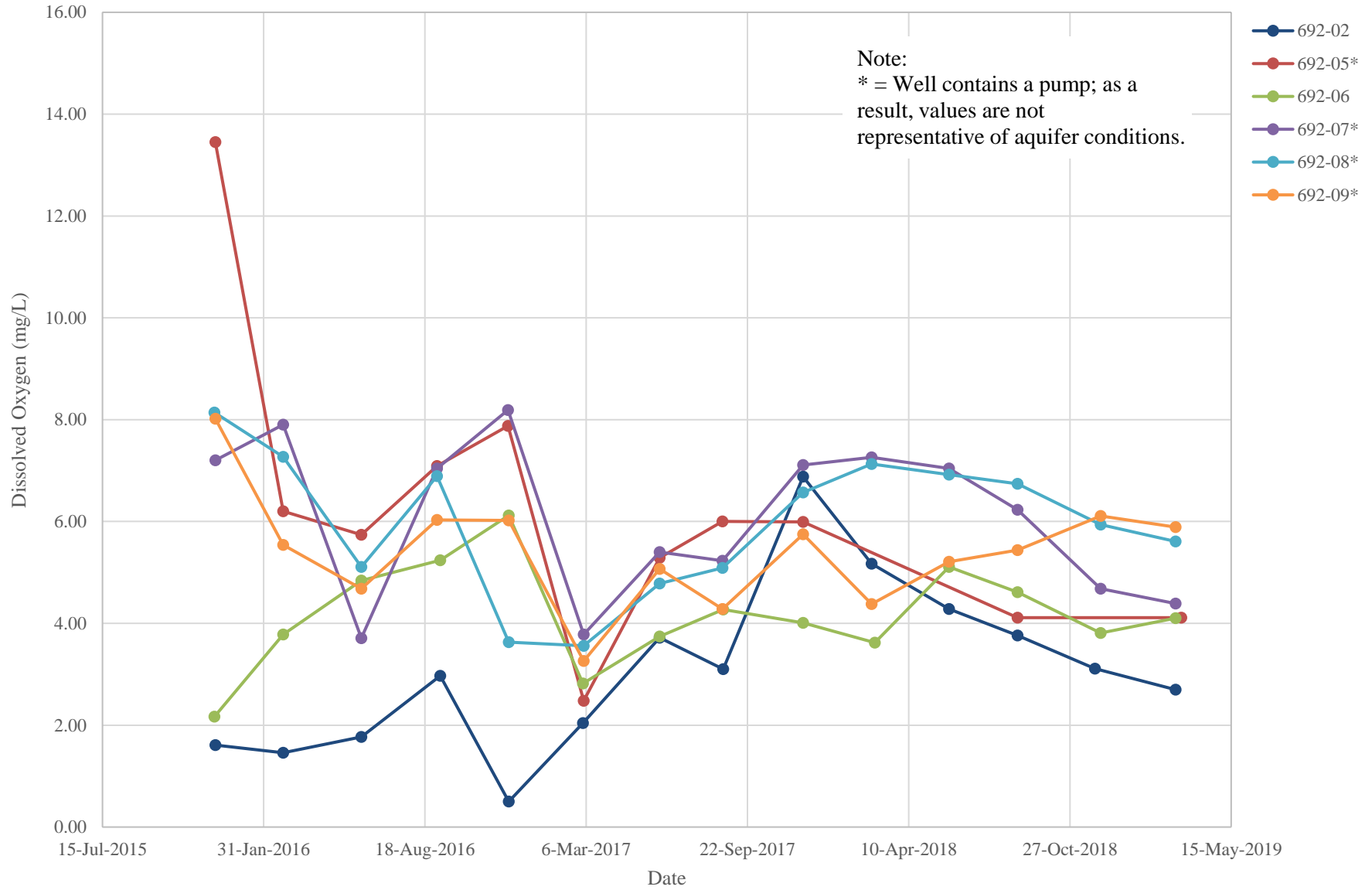


**Specific Conductance Trends**  
**Southern Area Discharge Plan Monitoring Wells**  
**Dona Ana Dairies, Dona Ana County, New Mexico**



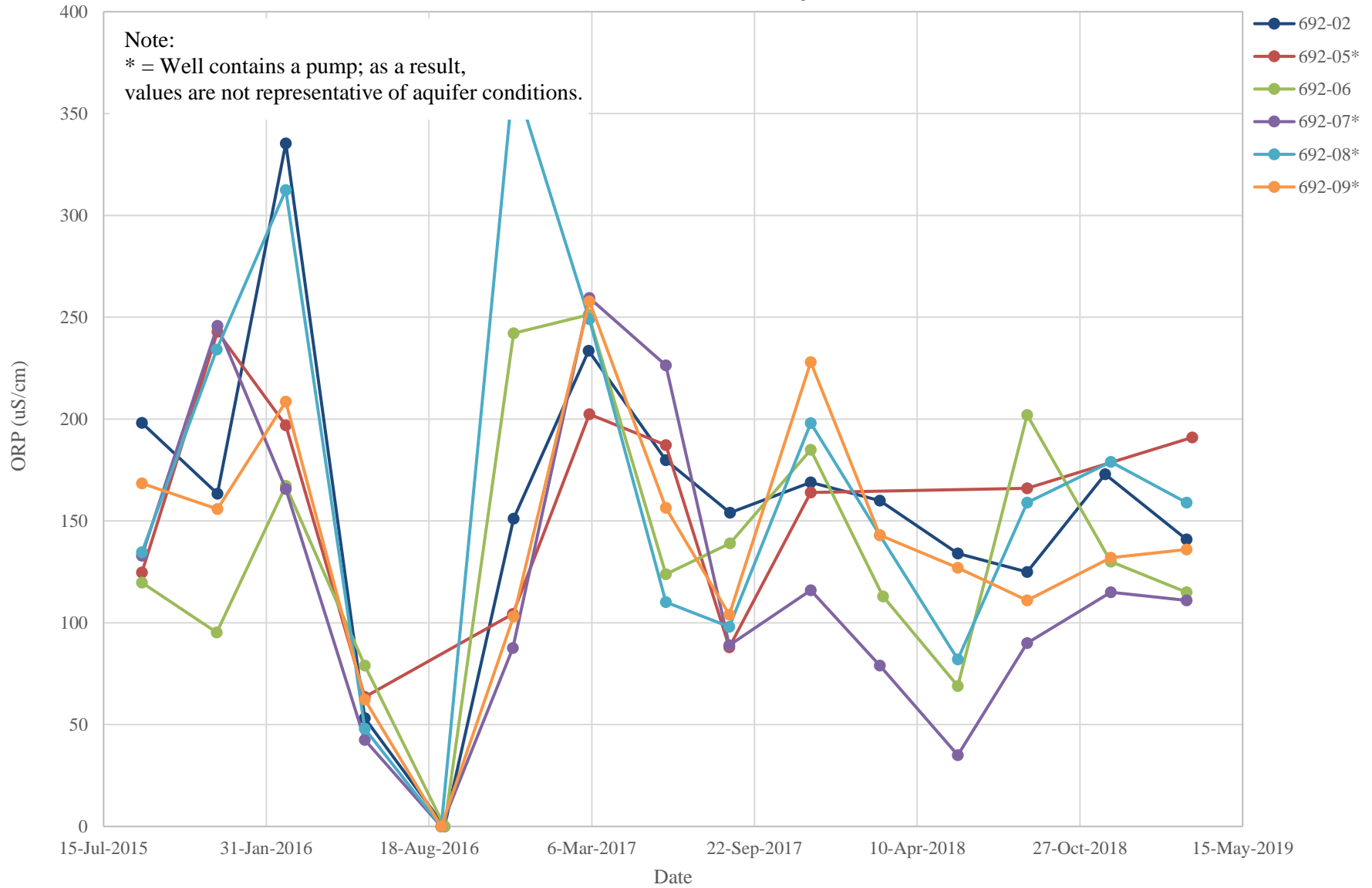


**Dissolved Oxygen Trends**  
**Southern Area Discharge Plan Monitoring Wells**  
**Dona Ana Dairies, Dona Ana County, New Mexico**





**Oxidation-Reduction Potential Trends  
Southern Area Discharge Plan Monitoring Wells  
Dona Ana Dairies, Dona Ana County, New Mexico**



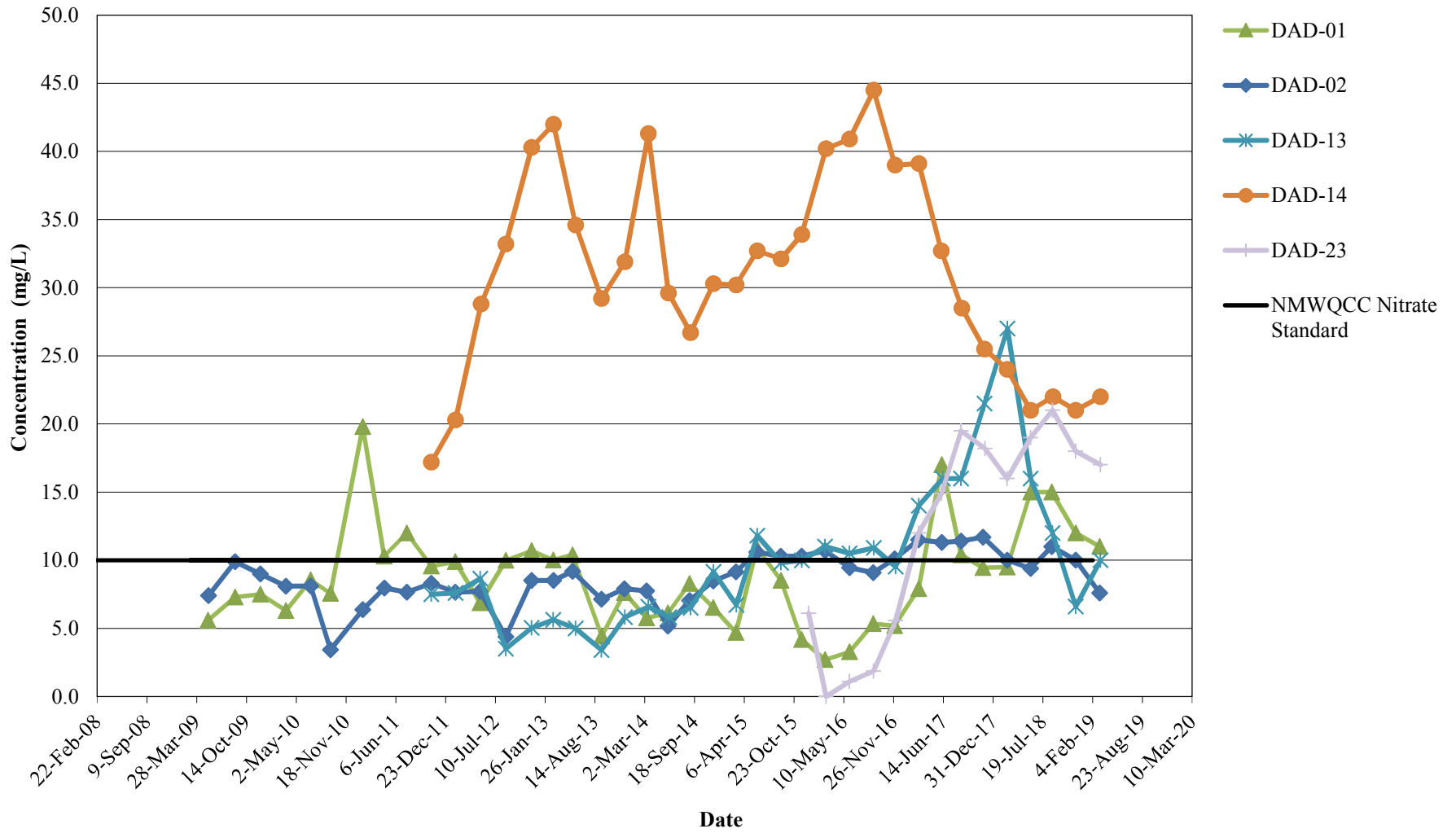


**APPENDIX E**

**CONCENTRATION TRENDS BY AREA –  
ABATEMENT PLAN WELLS**

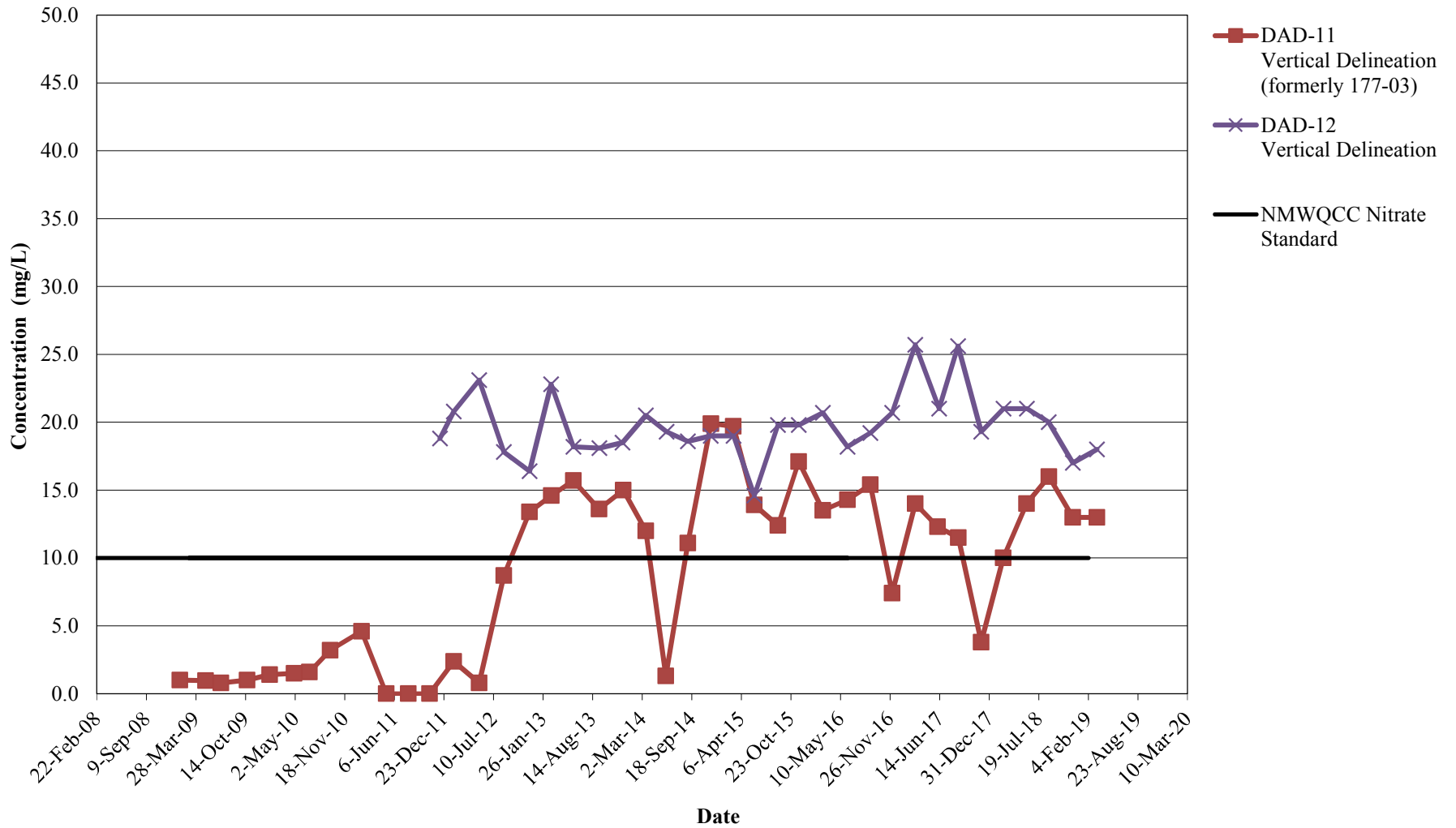


**NITRATE CONCENTRATION TRENDS  
NORTHERN ABATEMENT PLAN MONITORING WELLS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



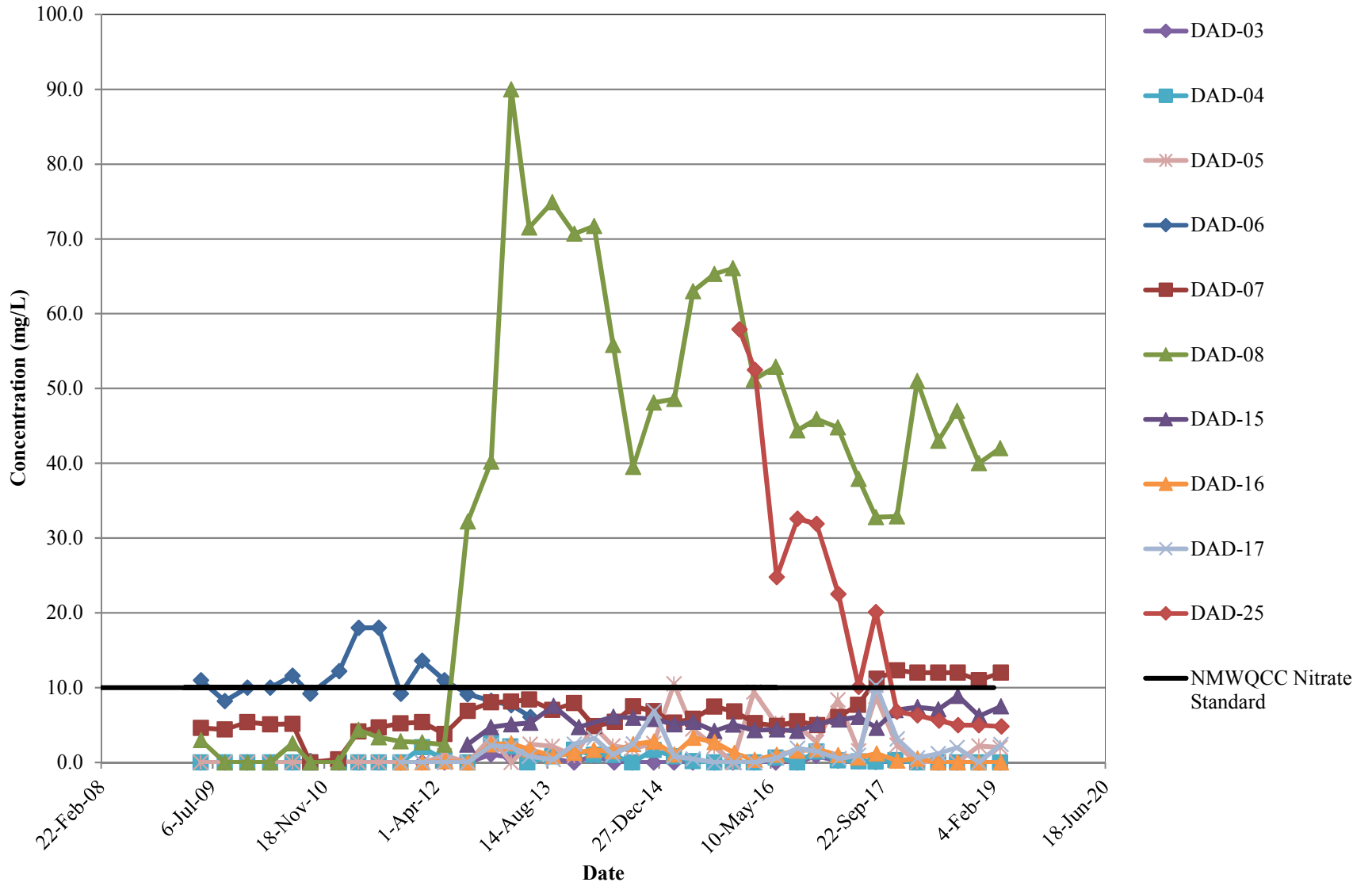


**NITRATE CONCENTRATION TRENDS  
 NORTHERN ABATEMENT PLAN MONITORING WELLS -  
 VERTICAL DELINEATION  
 DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



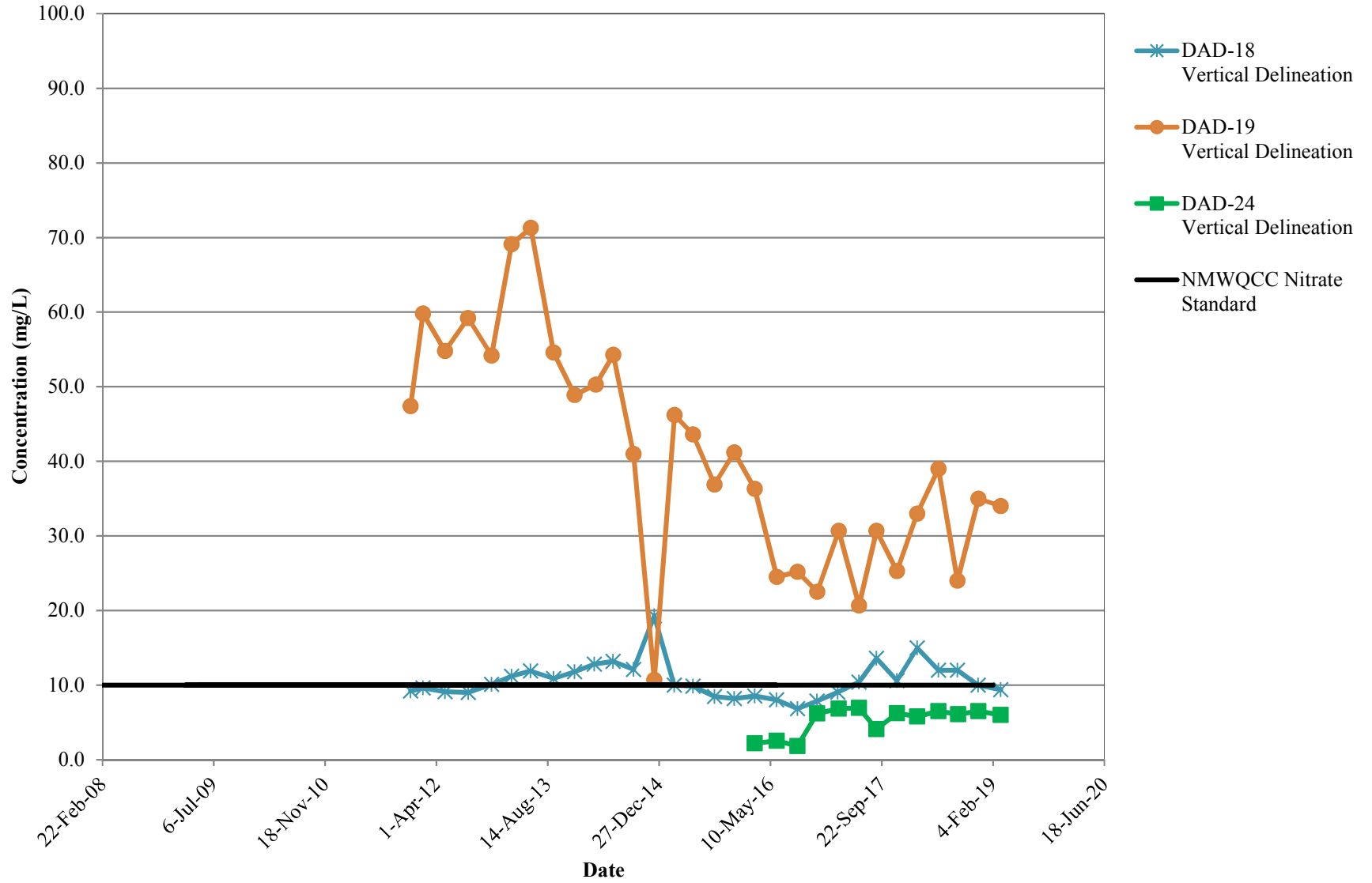


**NITRATE CONCENTRATION TRENDS  
CENTRAL ABATEMENT PLAN MONITORING WELLS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



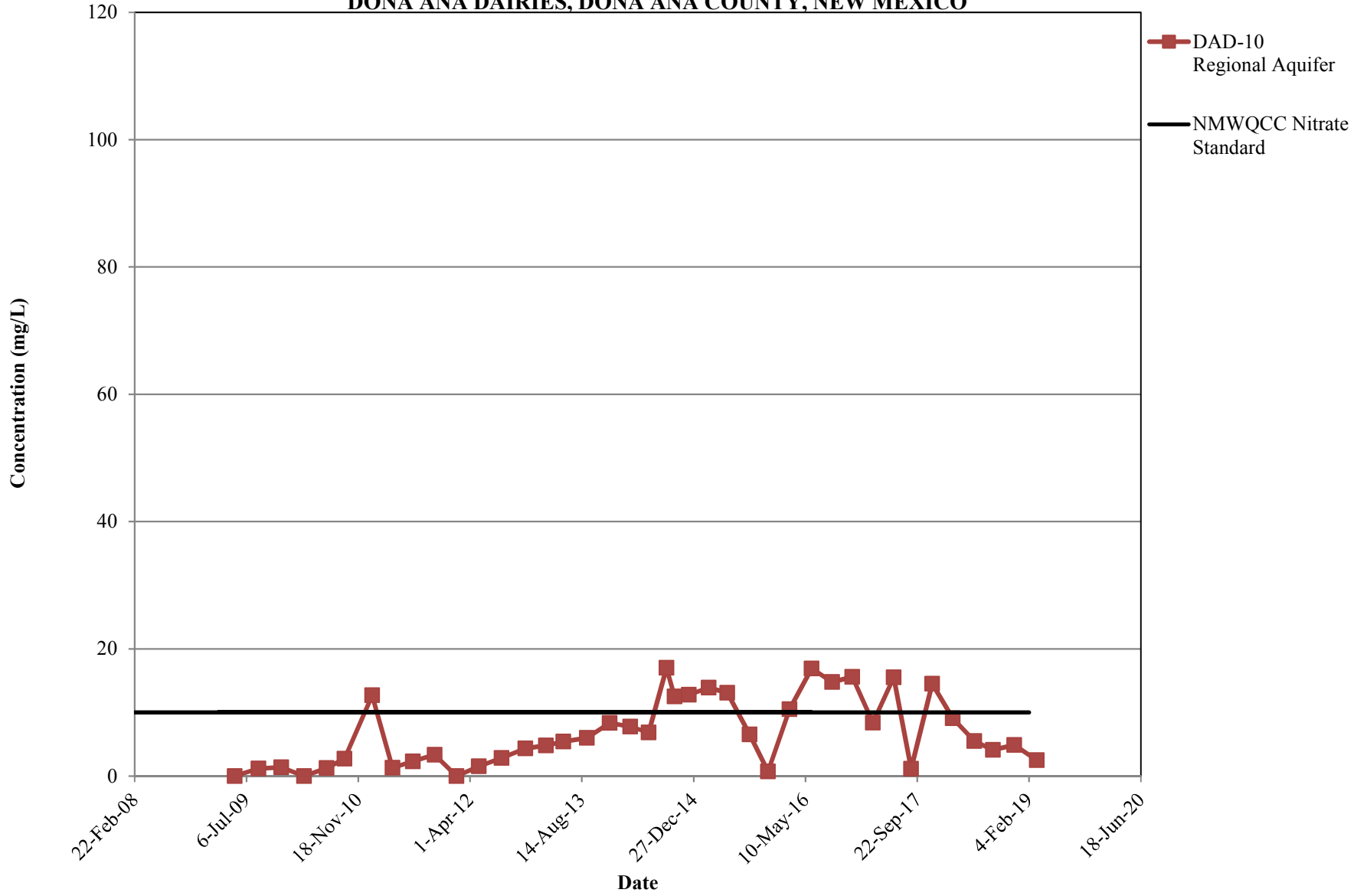


**NITRATE CONCENTRATION TRENDS  
CENTRAL ABATEMENT PLAN MONITORING WELLS -  
VERTICAL DELINEATION  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



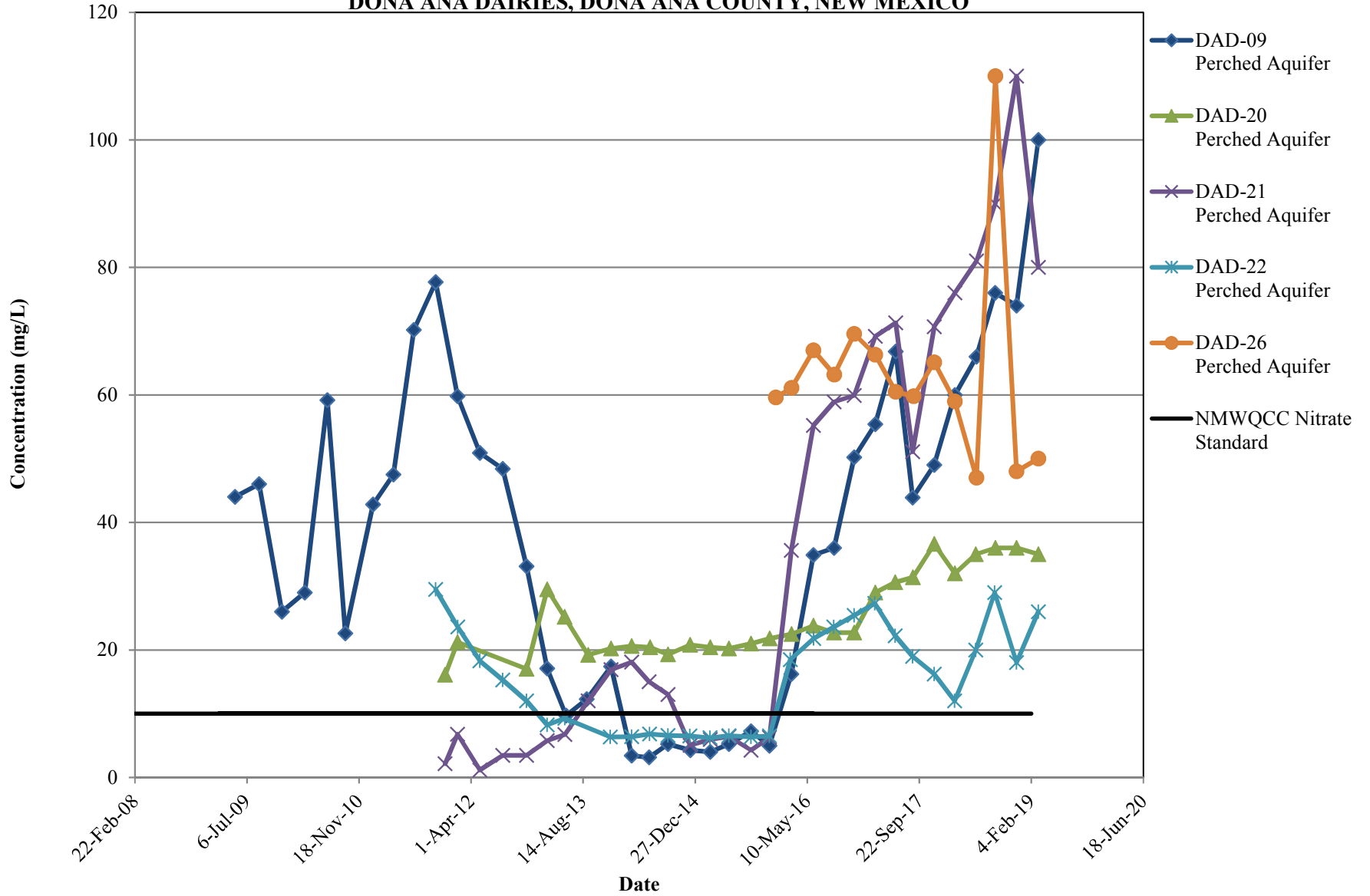


**NITRATE CONCENTRATION TRENDS  
SOUTHERN ABATEMENT PLAN MONITORING WELLS  
IN THE REGIONAL AQUIFER  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



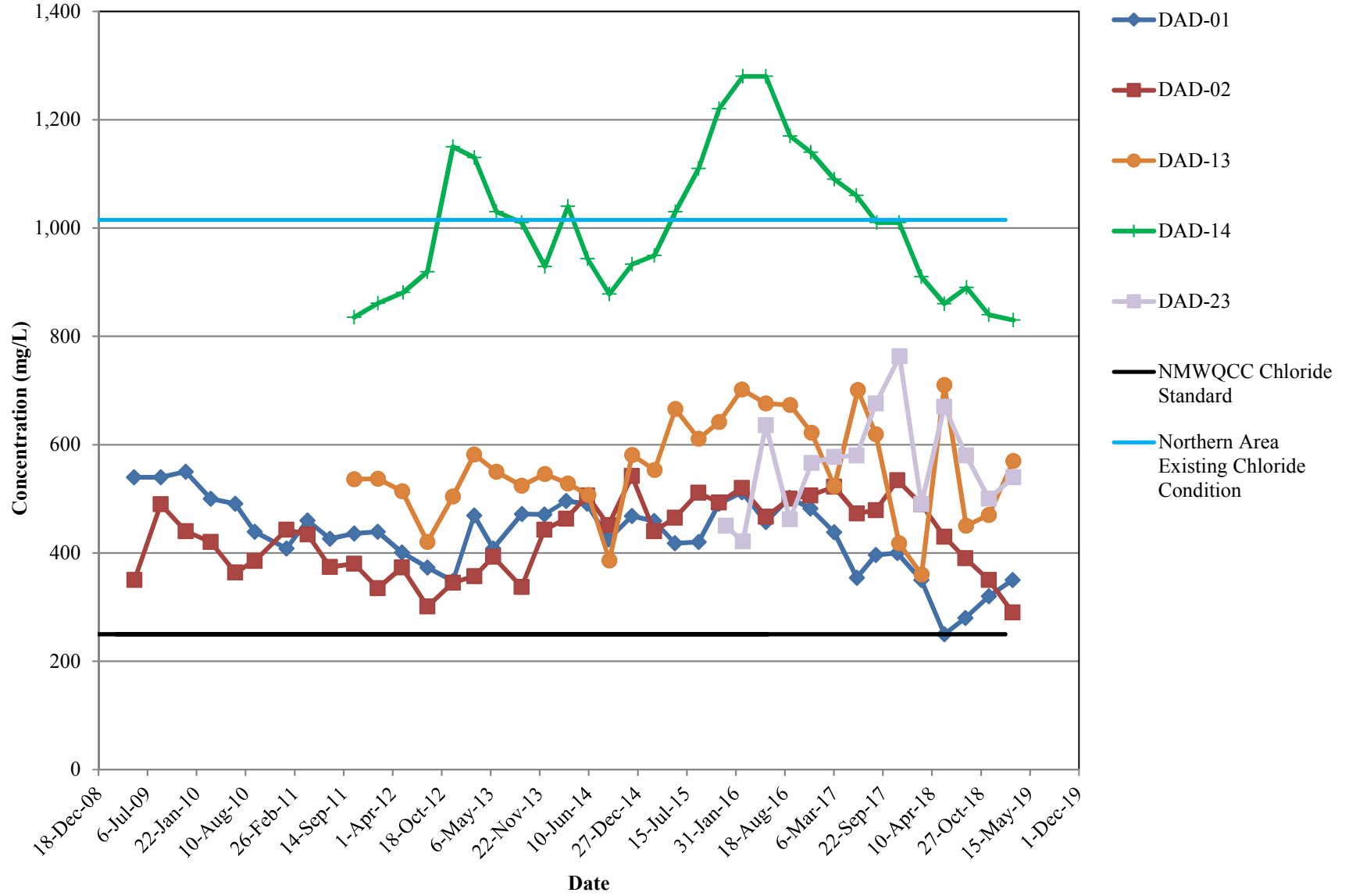


**NITRATE CONCENTRATION TRENDS  
SOUTHERN ABATEMENT PLAN MONITORING WELLS  
IN THE PERCHED AQUIFER  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



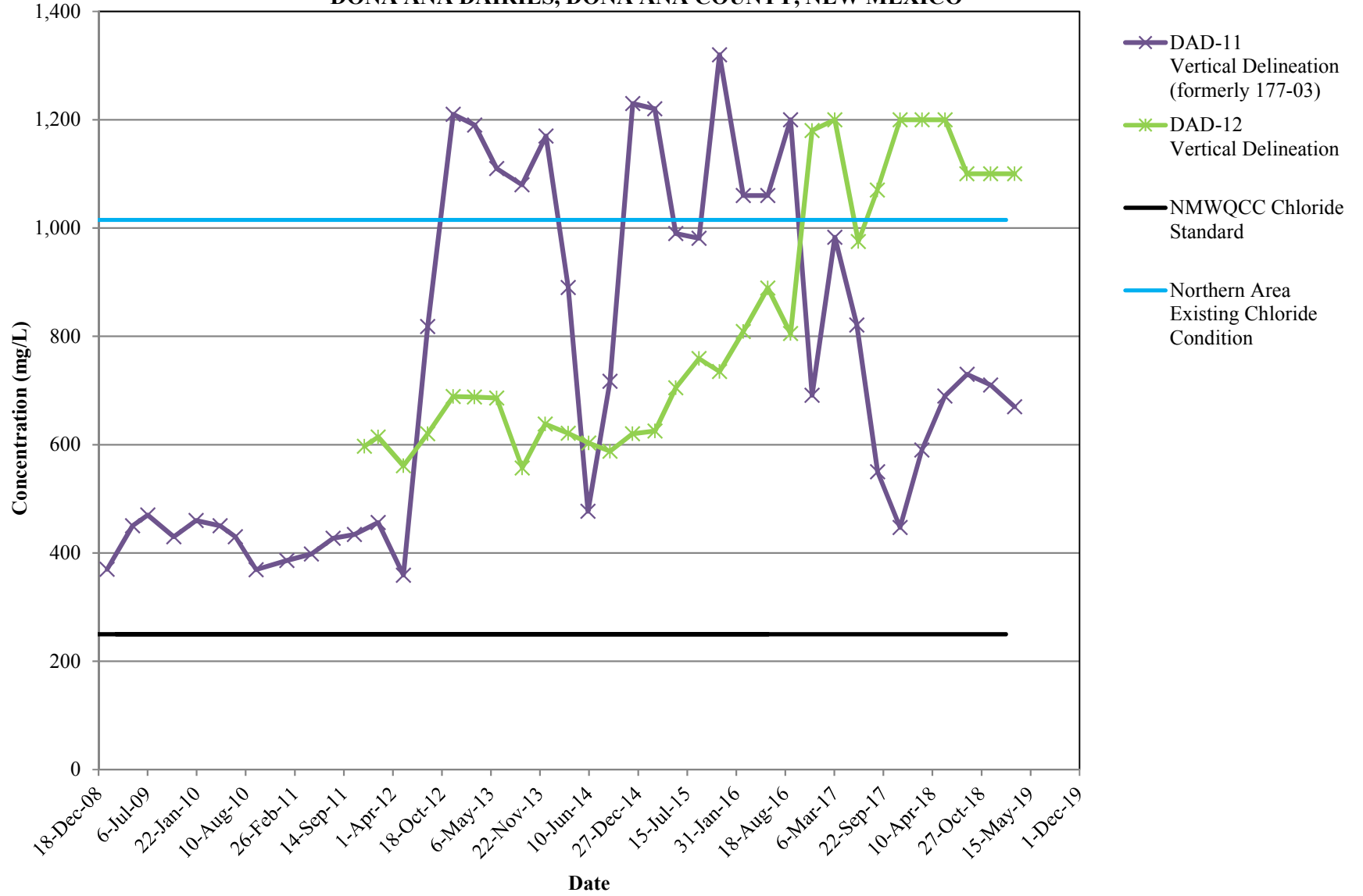


**CHLORIDE CONCENTRATION TRENDS  
NORTHERN ABATEMENT PLAN MONITORING WELLS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



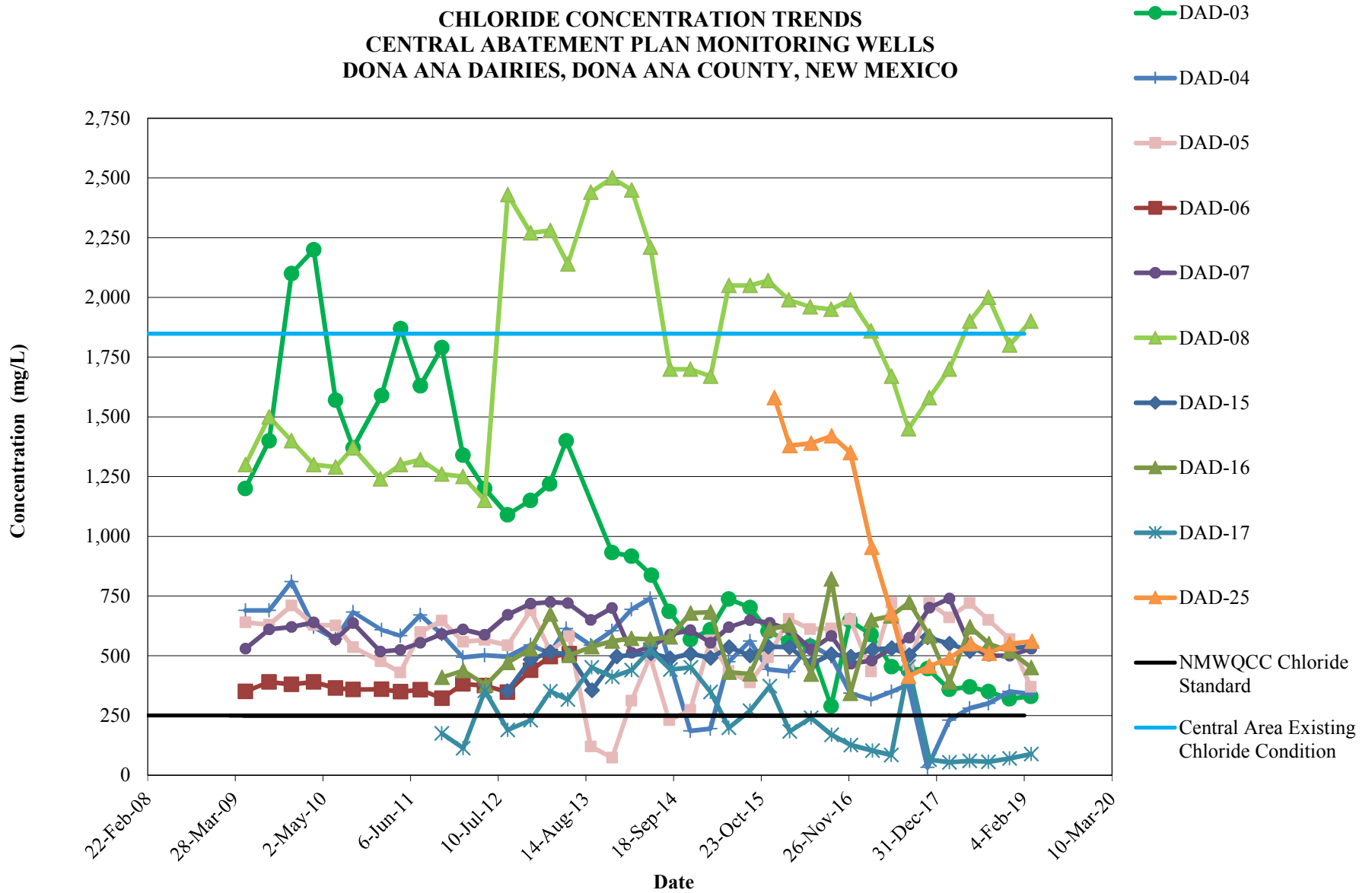


**CHLORIDE CONCENTRATION TRENDS  
 NORTHERN ABATEMENT PLAN MONITORING WELLS -  
 VERTICAL DELINEATION  
 DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



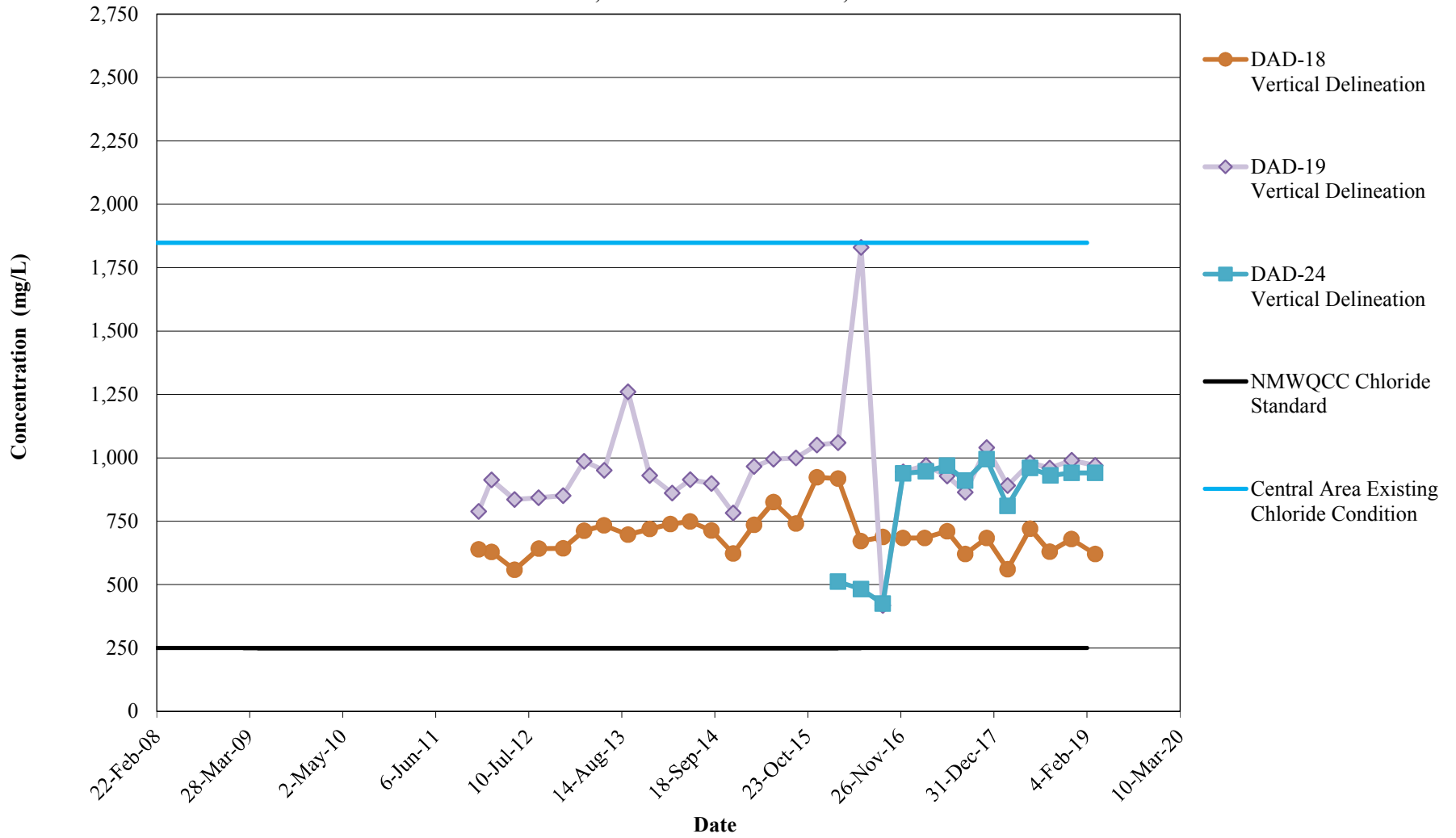


**CHLORIDE CONCENTRATION TRENDS  
CENTRAL ABATEMENT PLAN MONITORING WELLS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



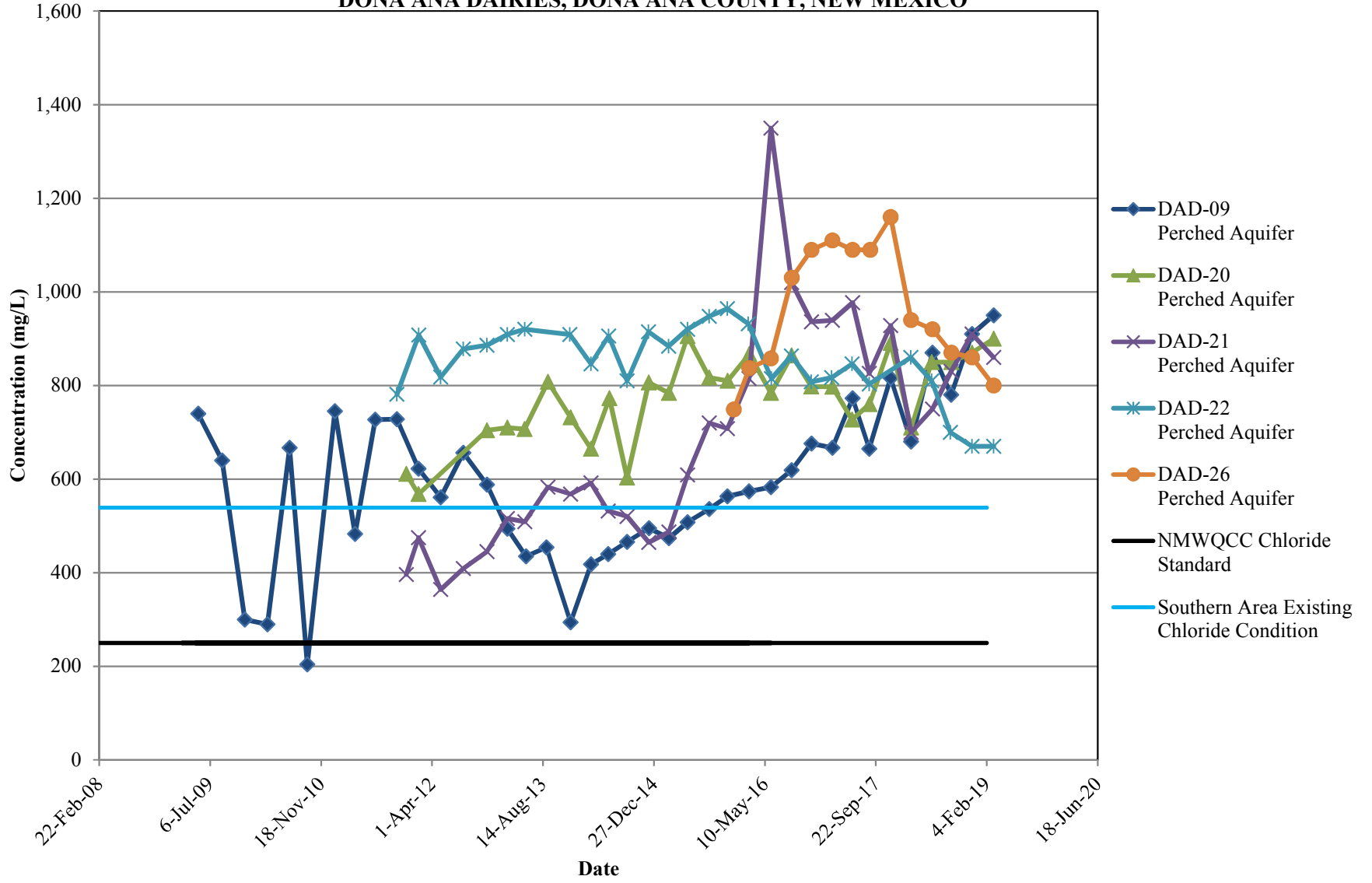


**CHLORIDE CONCENTRATION TRENDS  
CENTRAL ABATEMENT PLAN MONITORING WELLS -  
VERTICAL DELINEATION  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



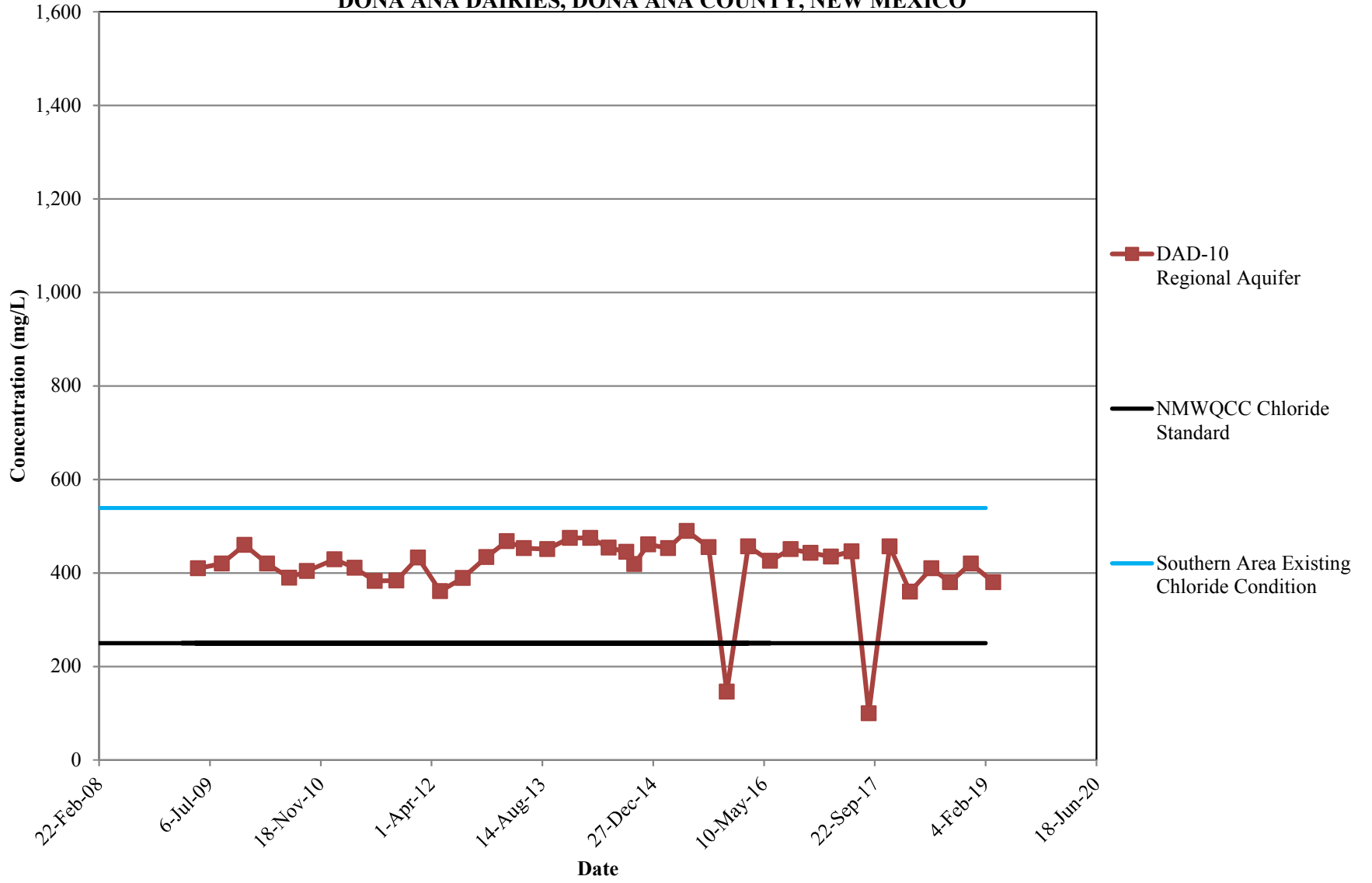


**CHLORIDE CONCENTRATION TRENDS  
SOUTHERN ABATEMENT PLAN MONITORING WELLS  
IN THE PERCHED AQUIFER  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



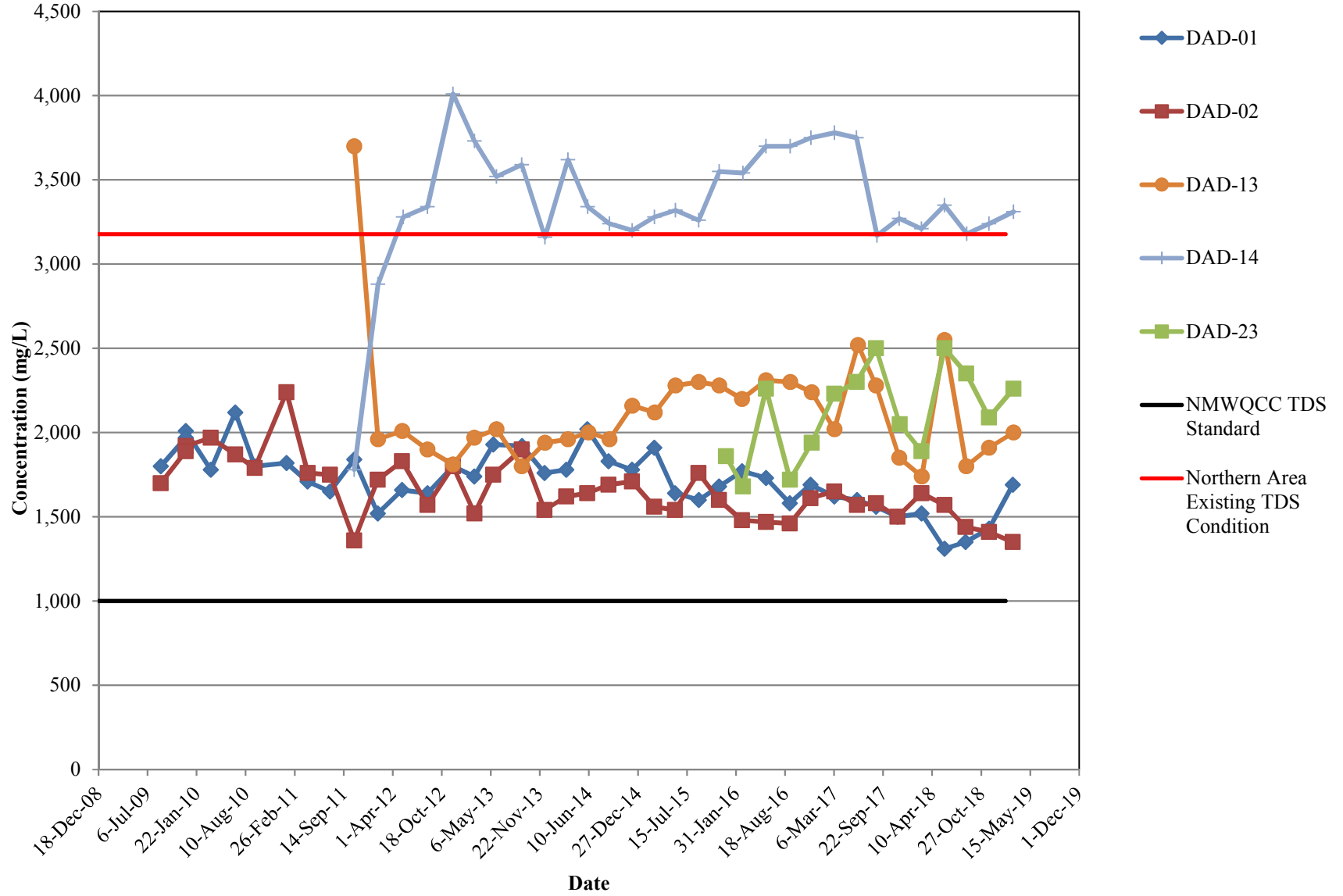


**CHLORIDE CONCENTRATION TRENDS  
SOUTHERN ABATEMENT PLAN MONITORING WELLS  
IN THE REGIONAL AQUIFER  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



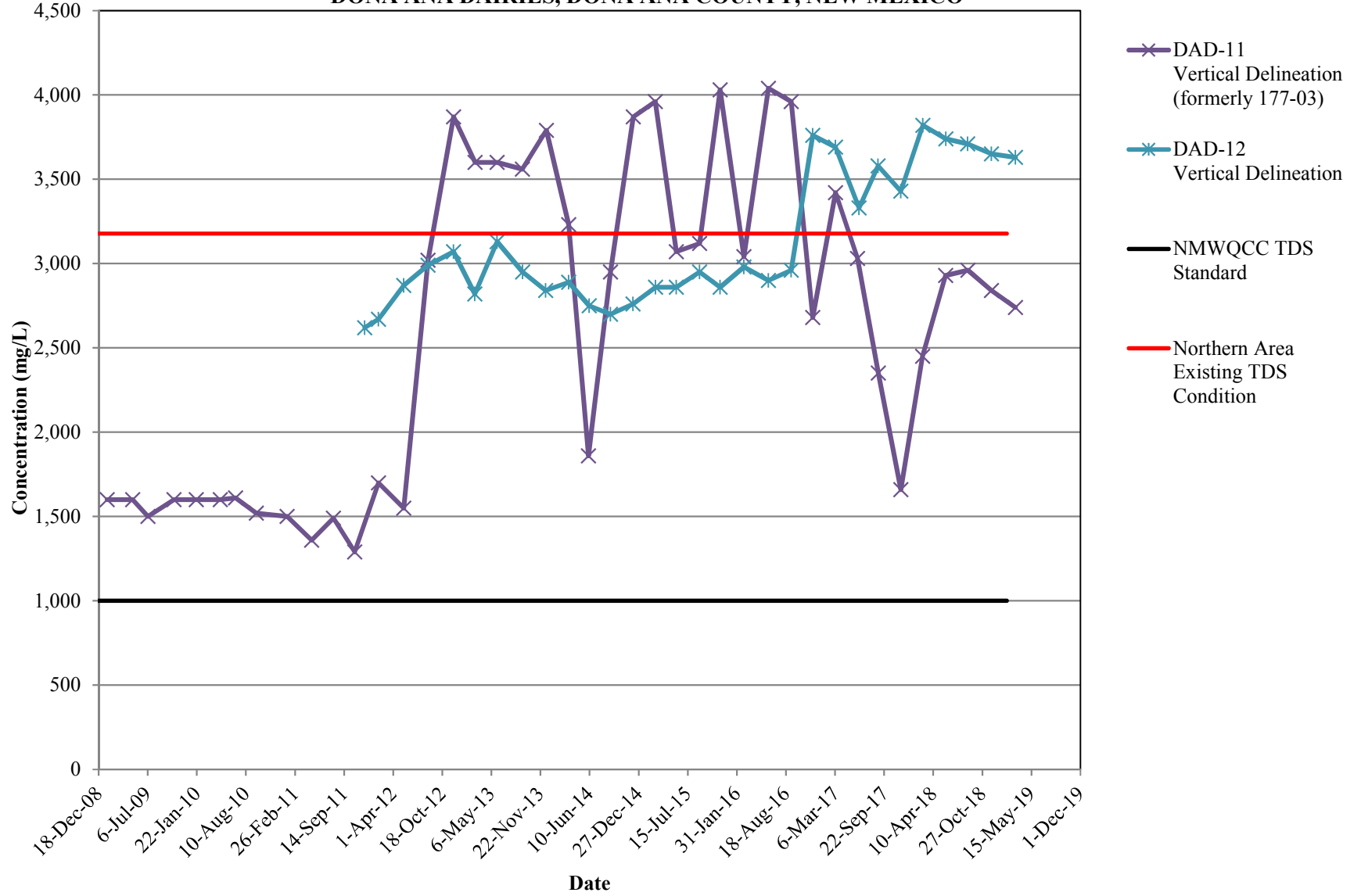


**TDS CONCENTRATION TRENDS  
NORTHERN ABATEMENT PLAN MONITORING WELLS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**





**TDS CONCENTRATION TRENDS  
 NORTHERN ABATEMENT PLAN MONITORING WELLS -  
 VERTICAL DELINEATION  
 DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

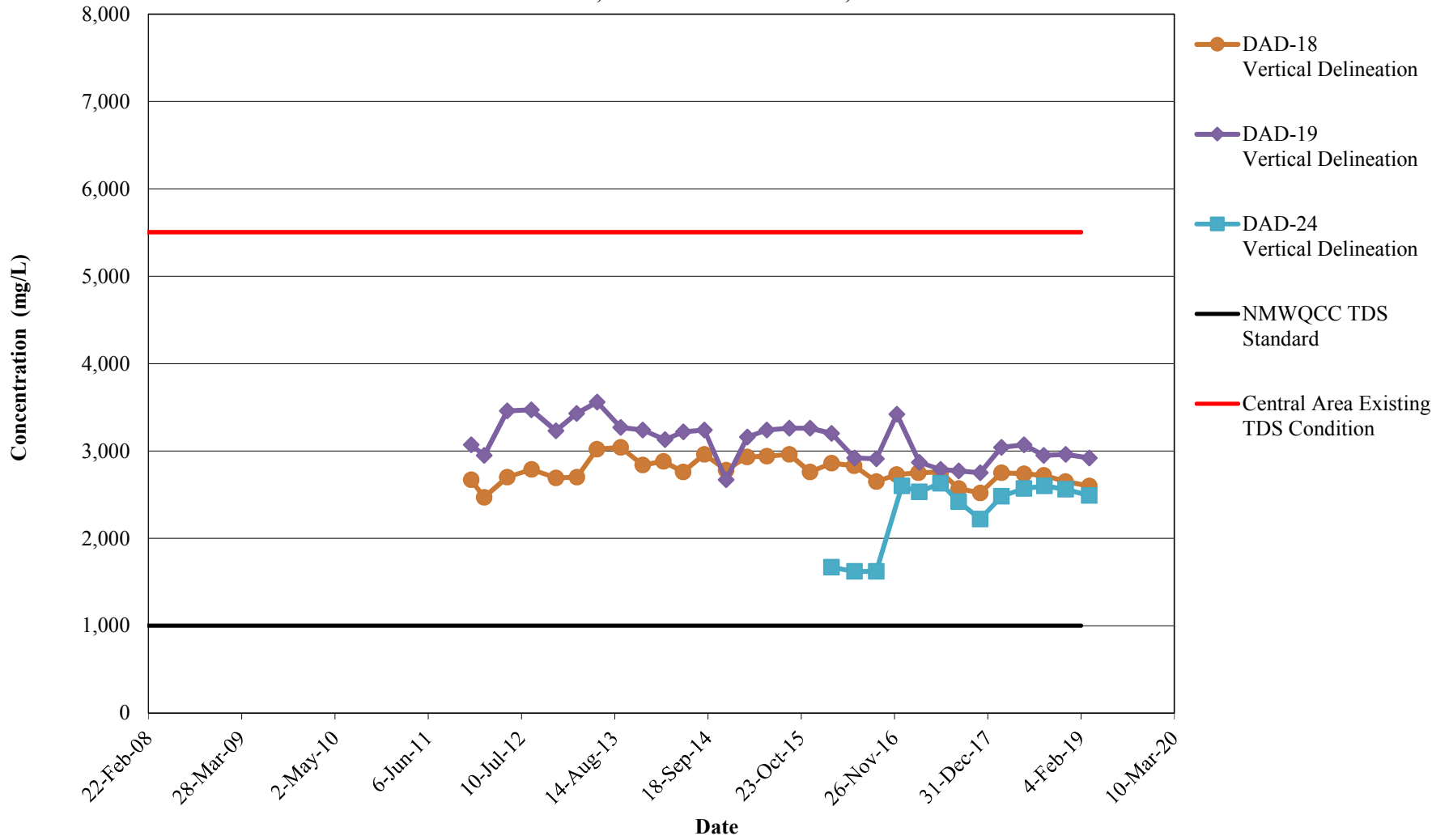






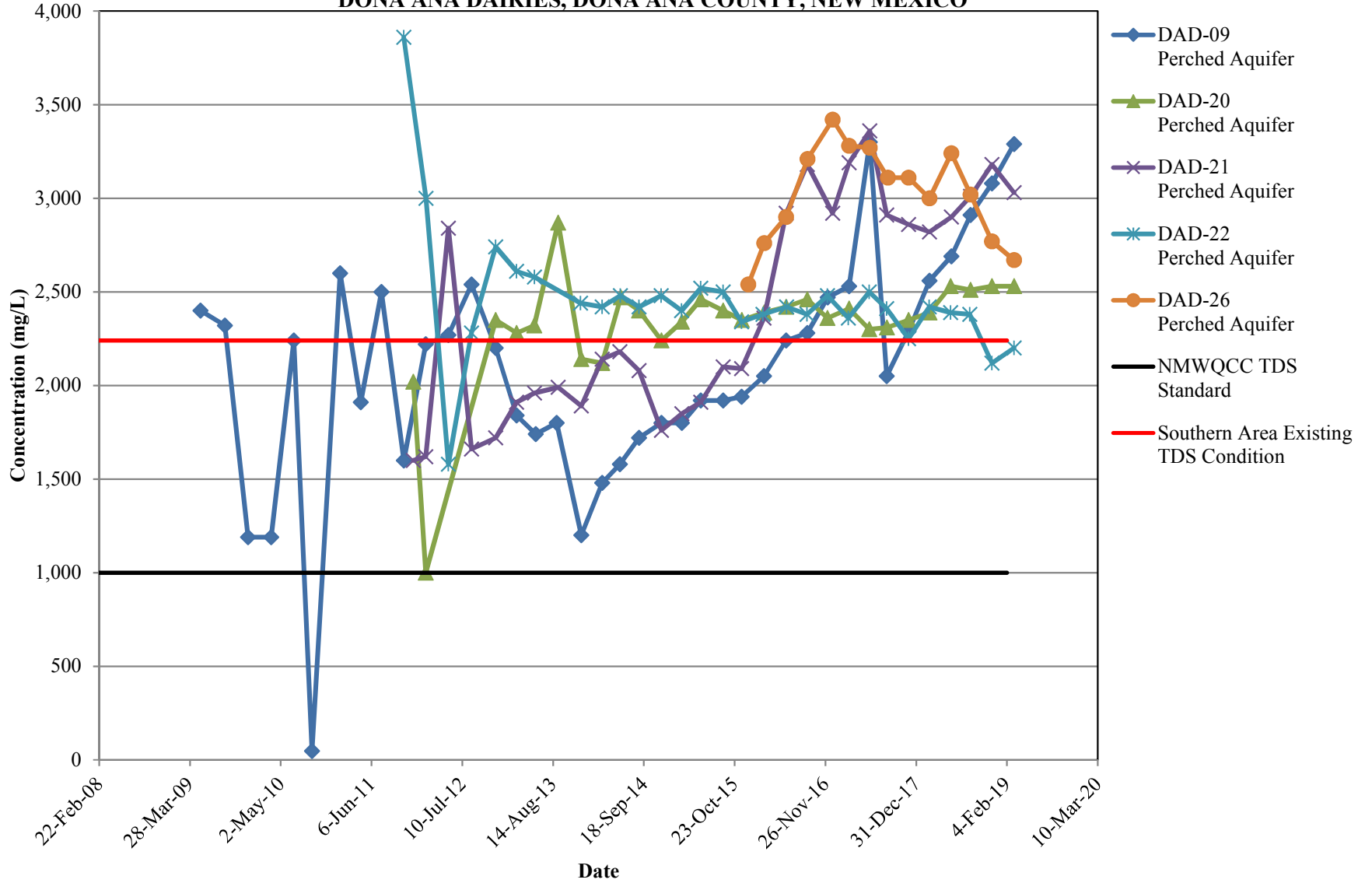


**TDS CONCENTRATION TRENDS  
CENTRAL ABATEMENT PLAN MONITORING WELLS -  
VERTICAL DELINEATION  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



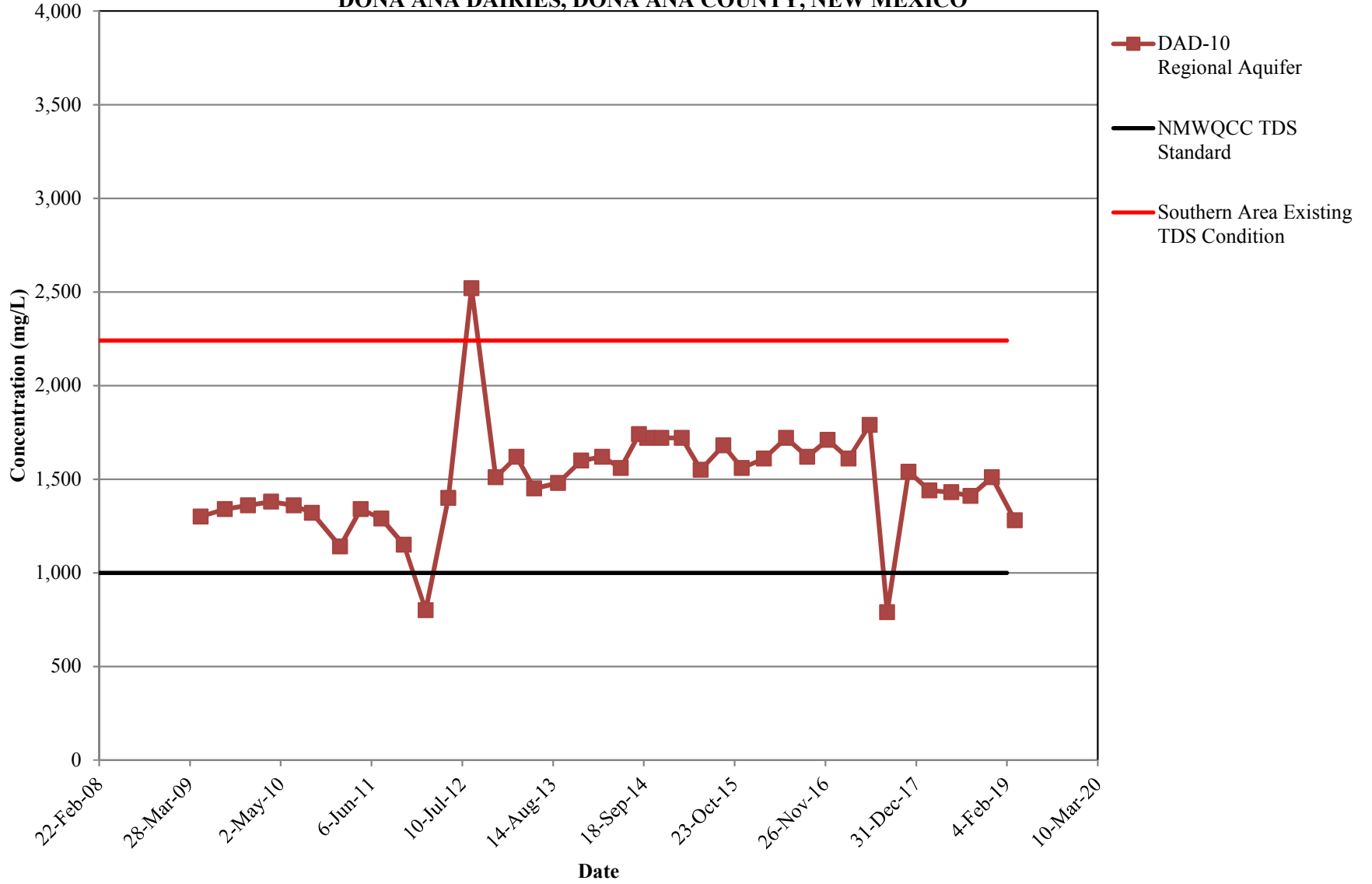


**TDS CONCENTRATION TRENDS  
SOUTHERN ABATEMENT PLAN MONITORING WELLS  
IN THE PERCHED AQUIFER  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**





**TDS CONCENTRATION TRENDS  
SOUTHERN ABATEMENT PLAN MONITORING WELLS  
IN THE REGIONAL AQUIFER  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



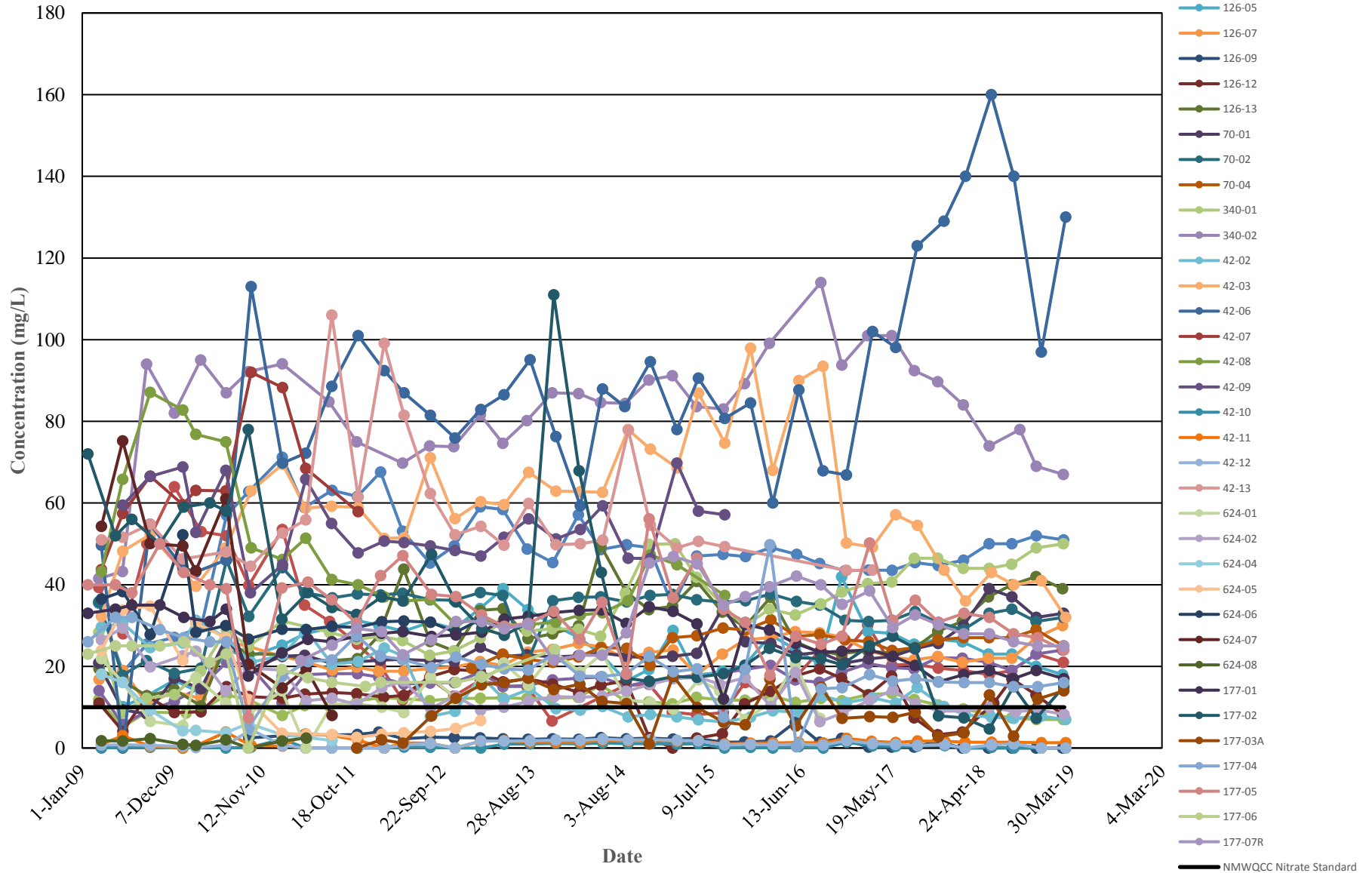


**APPENDIX F**

**CONCENTRATION TRENDS BY AREA AND DAIRY-  
DISCHARGE PLAN WELLS**

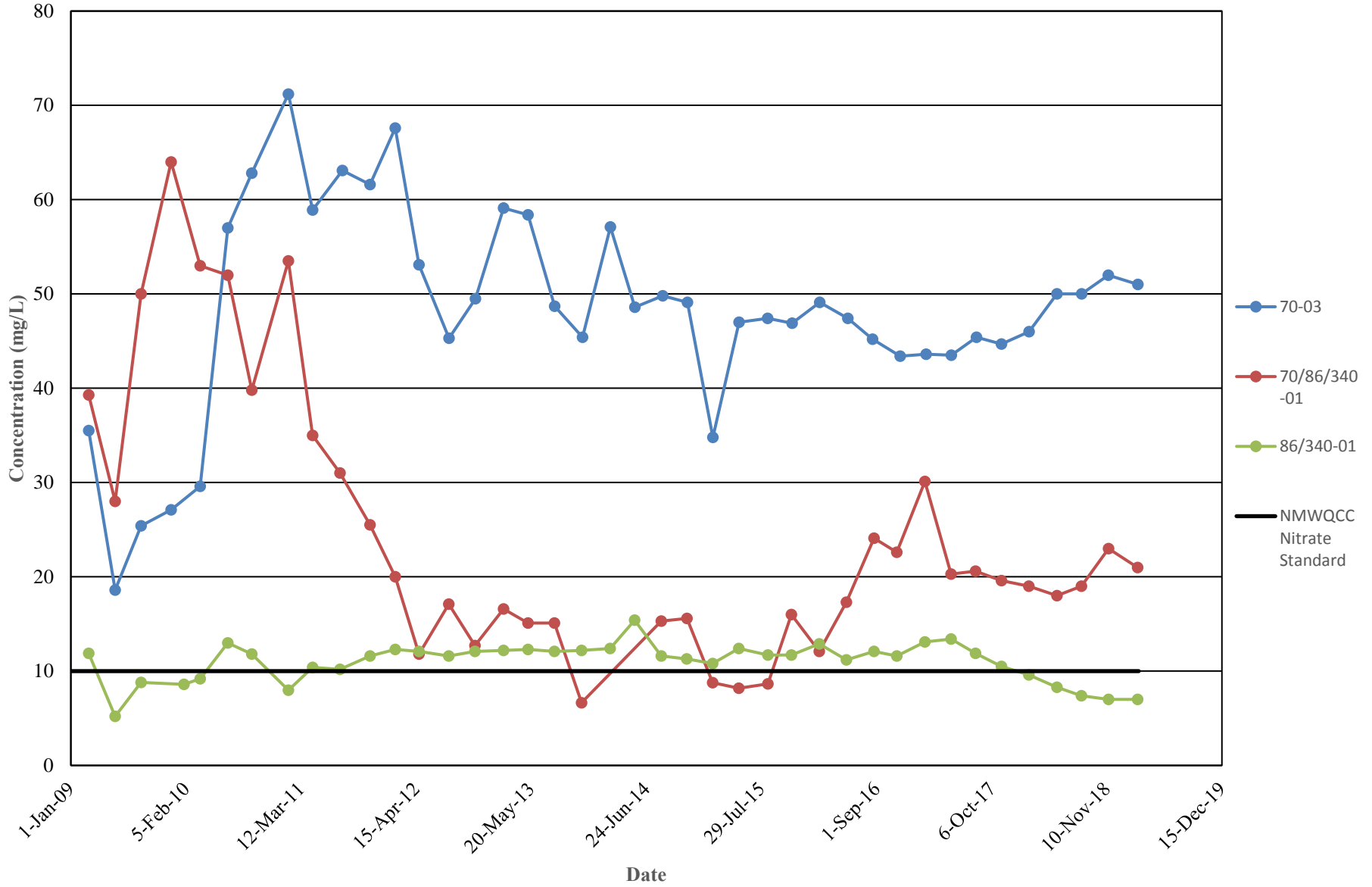


NITRATE CONCENTRATION TRENDS  
ALL NORTHERN AREA DISCHARGE PLAN MONITORING WELLS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



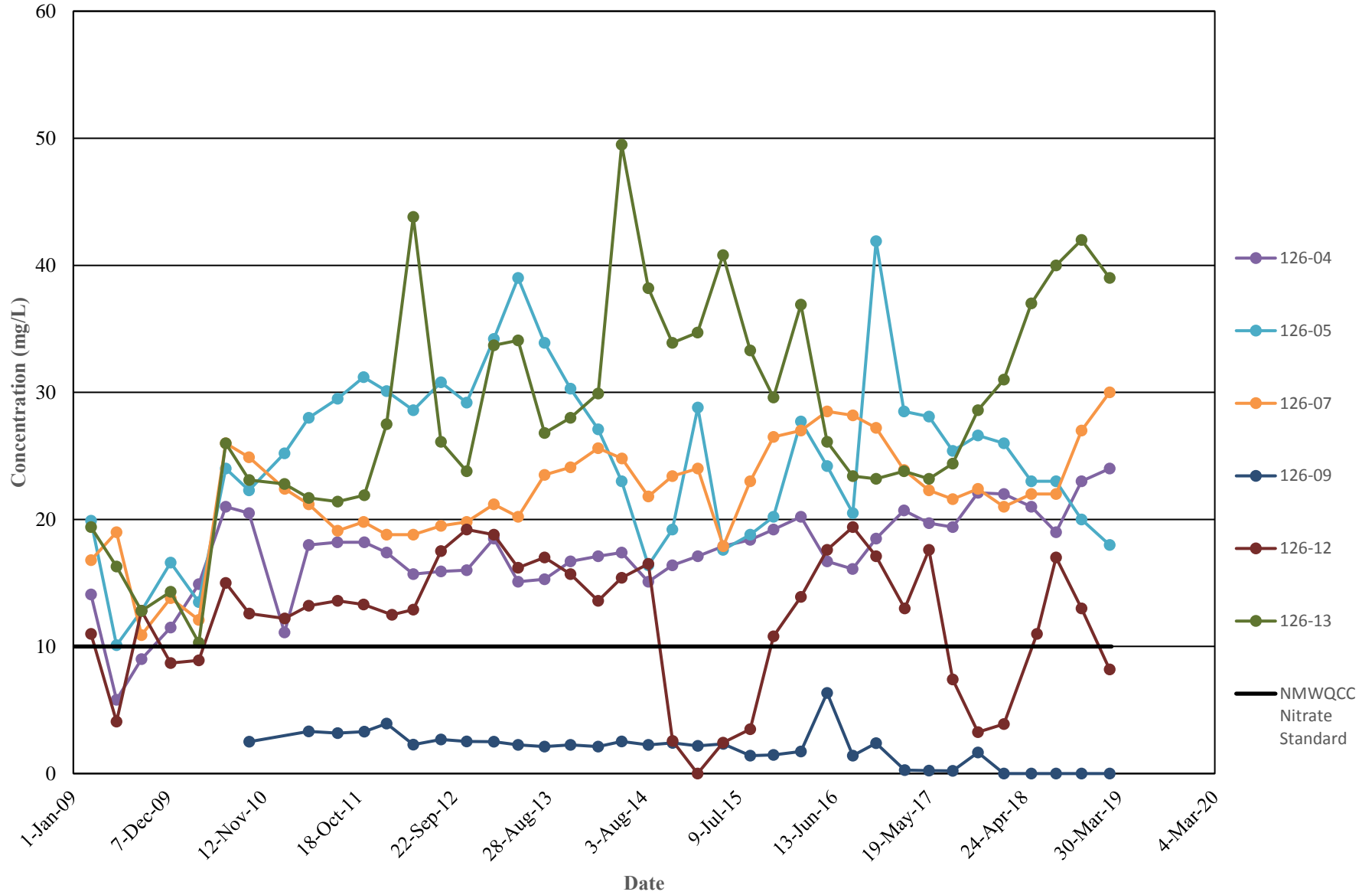


**NITRATE CONCENTRATION TRENDS**  
**NORTHERN LAND APPLICATION AREA, DISCHARGE PLAN MONITORING WELLS**  
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



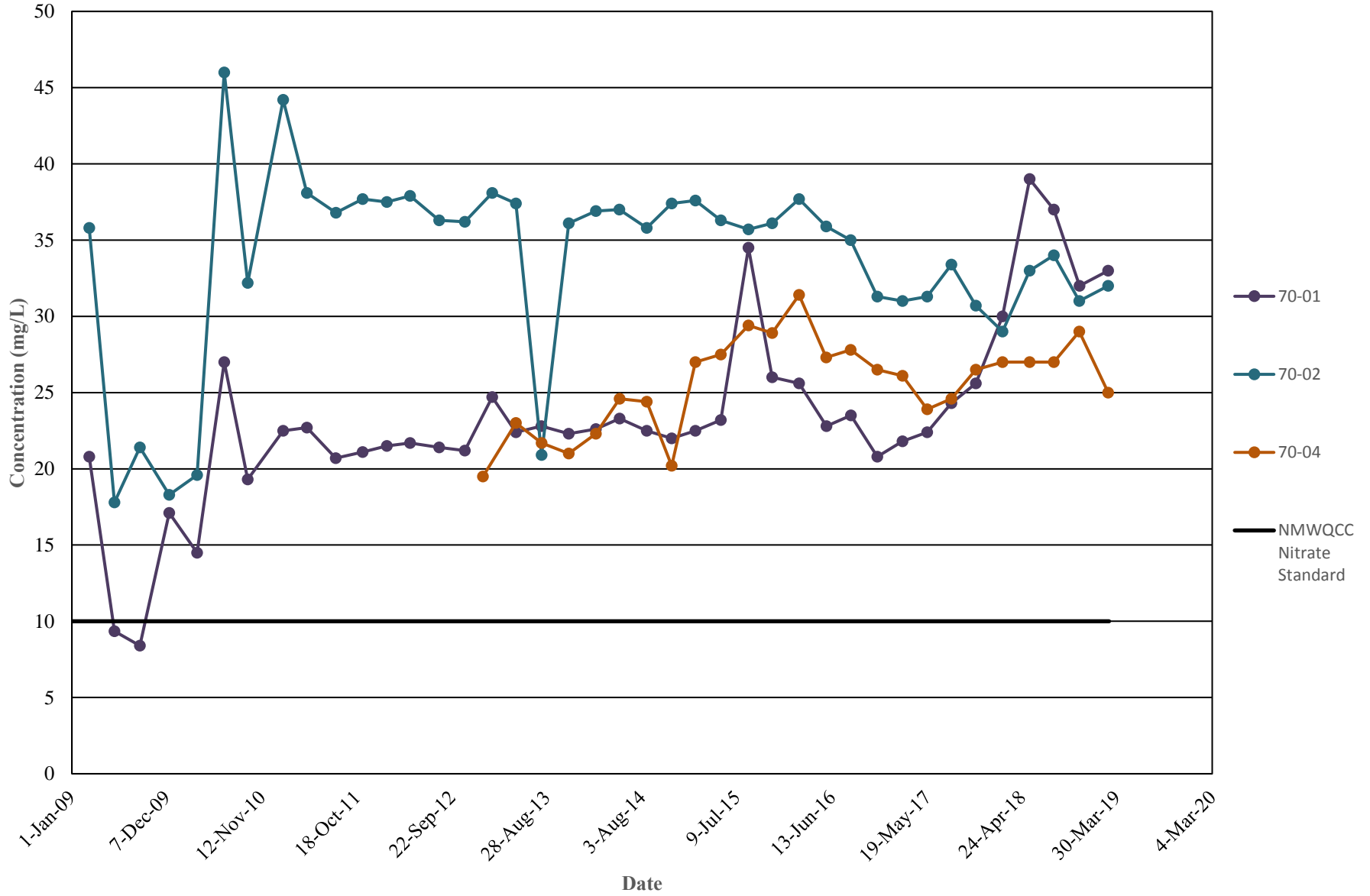


**NITRATE CONCENTRATION TRENDS**  
**ORGAN DAIRY (DEL NORTE DAIRY/DAYBREAK DAIRY) DISCHARGE PLAN MONITORING WELLS**  
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



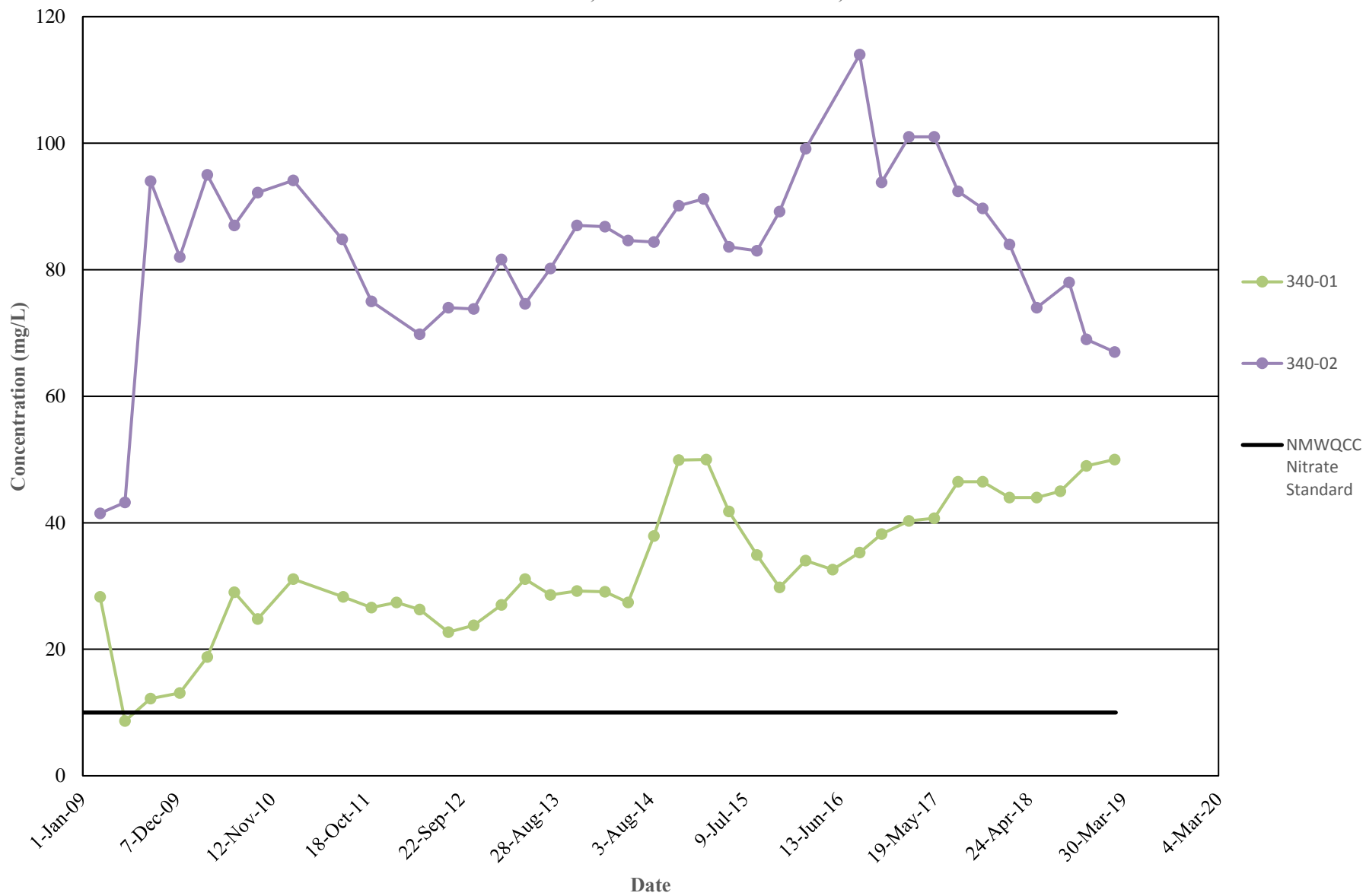


**NITRATE CONCENTRATION TRENDS**  
**MOUNTAIN VIEW DAIRY DISCHARGE PLAN MONITORING WELLS**  
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



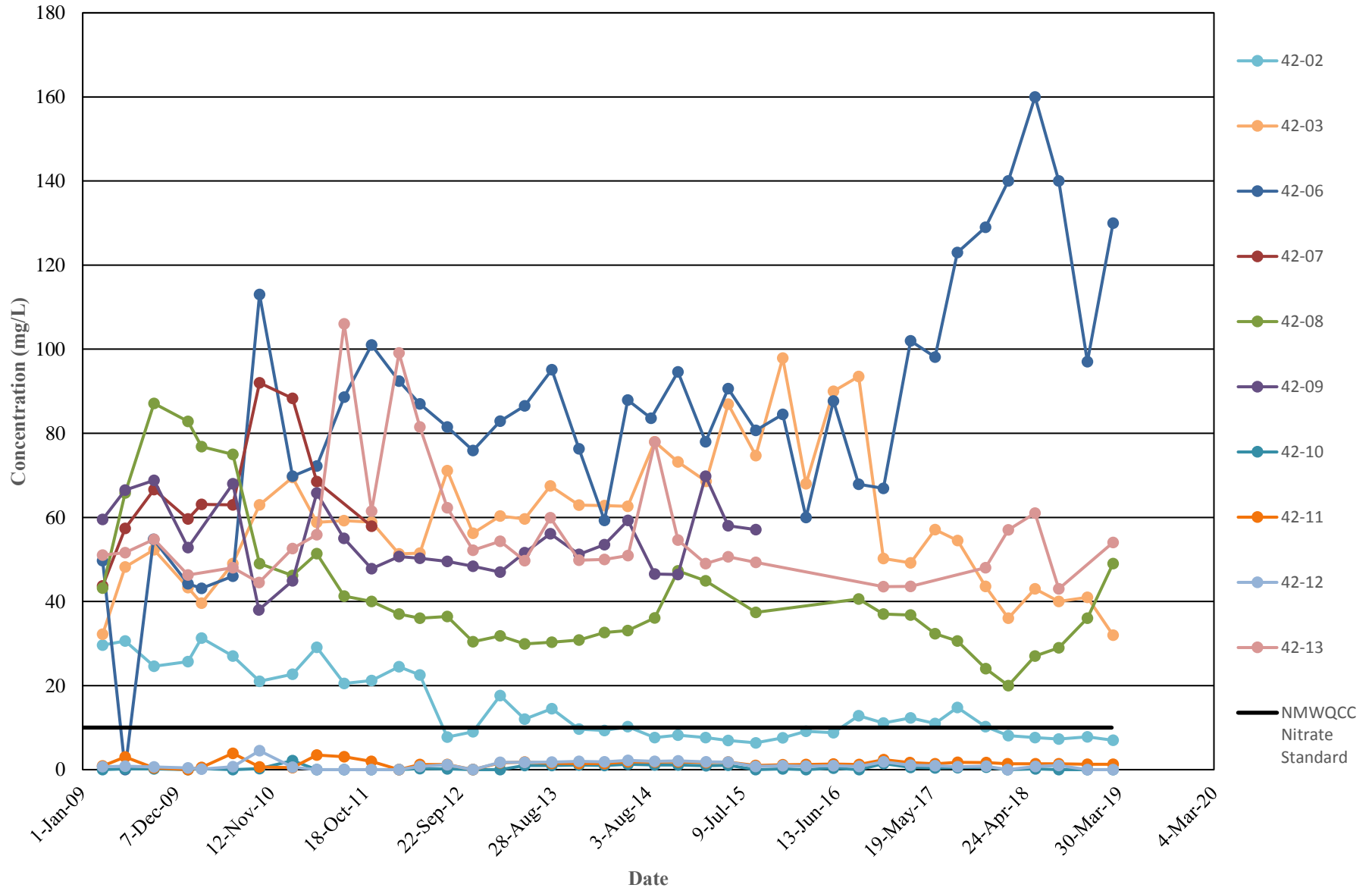


**NITRATE CONCENTRATION TRENDS  
 BRIGHT STAR DAIRY DISCHARGE PLAN MONITORING WELLS  
 DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



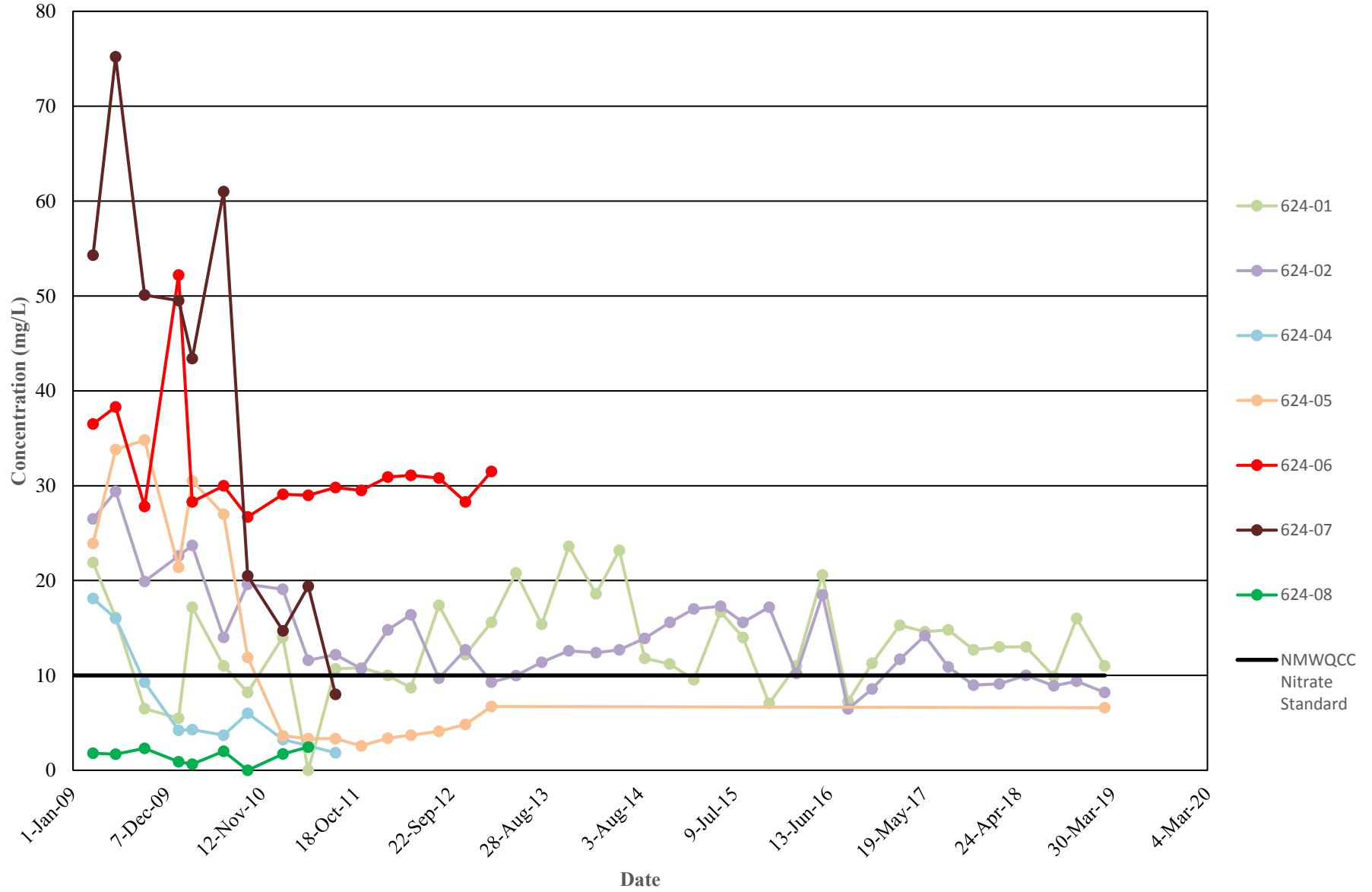


**NITRATE CONCENTRATION TRENDS**  
**FORMER D&J DAIRY (DOMINGUEZ 2) DISCHARGE PLAN MONITORING WELLS**  
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



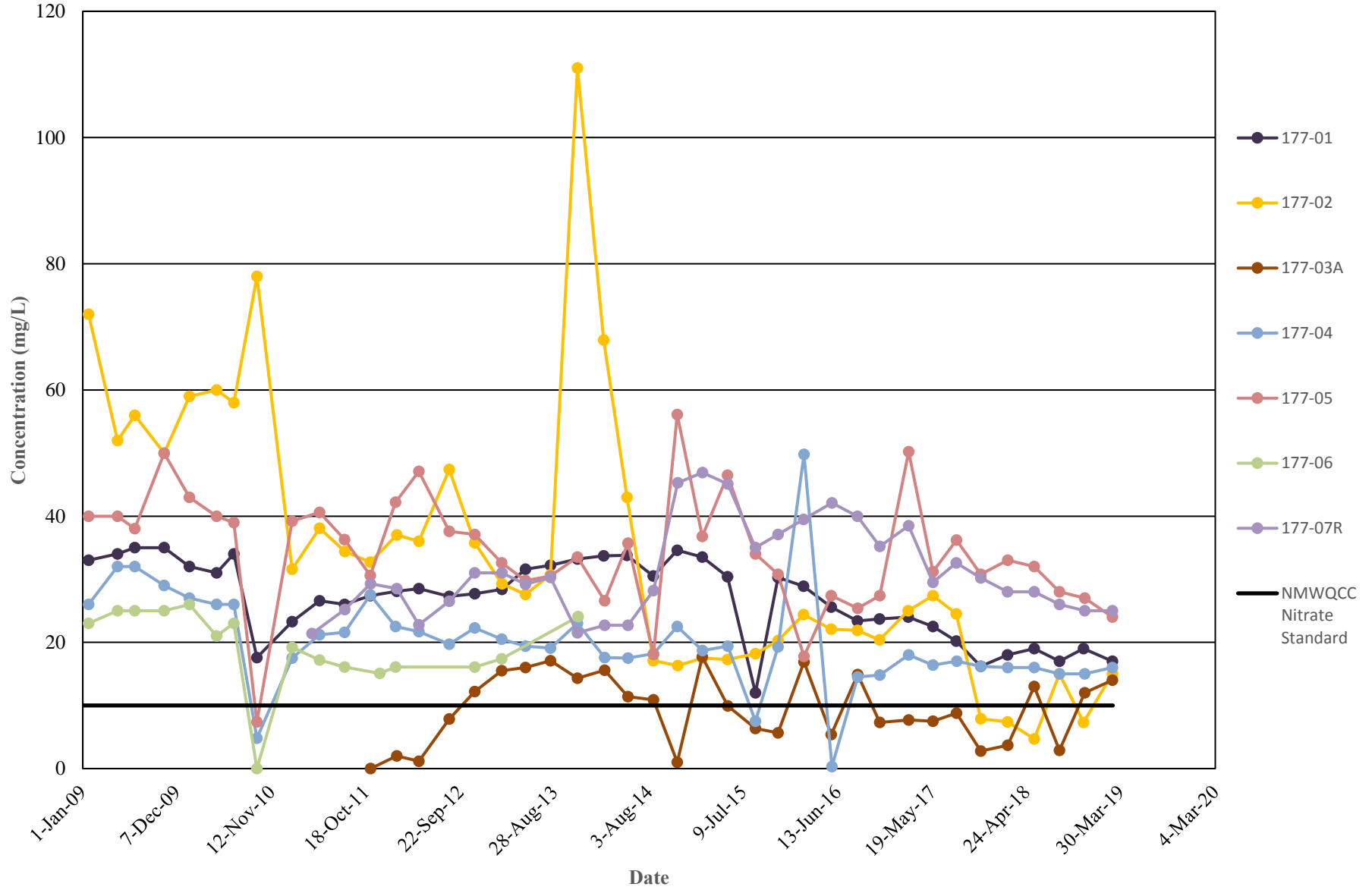


**NITRATE CONCENTRATION TRENDS  
DOMINGUEZ DISCHARGE PLAN MONITORING WELLS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



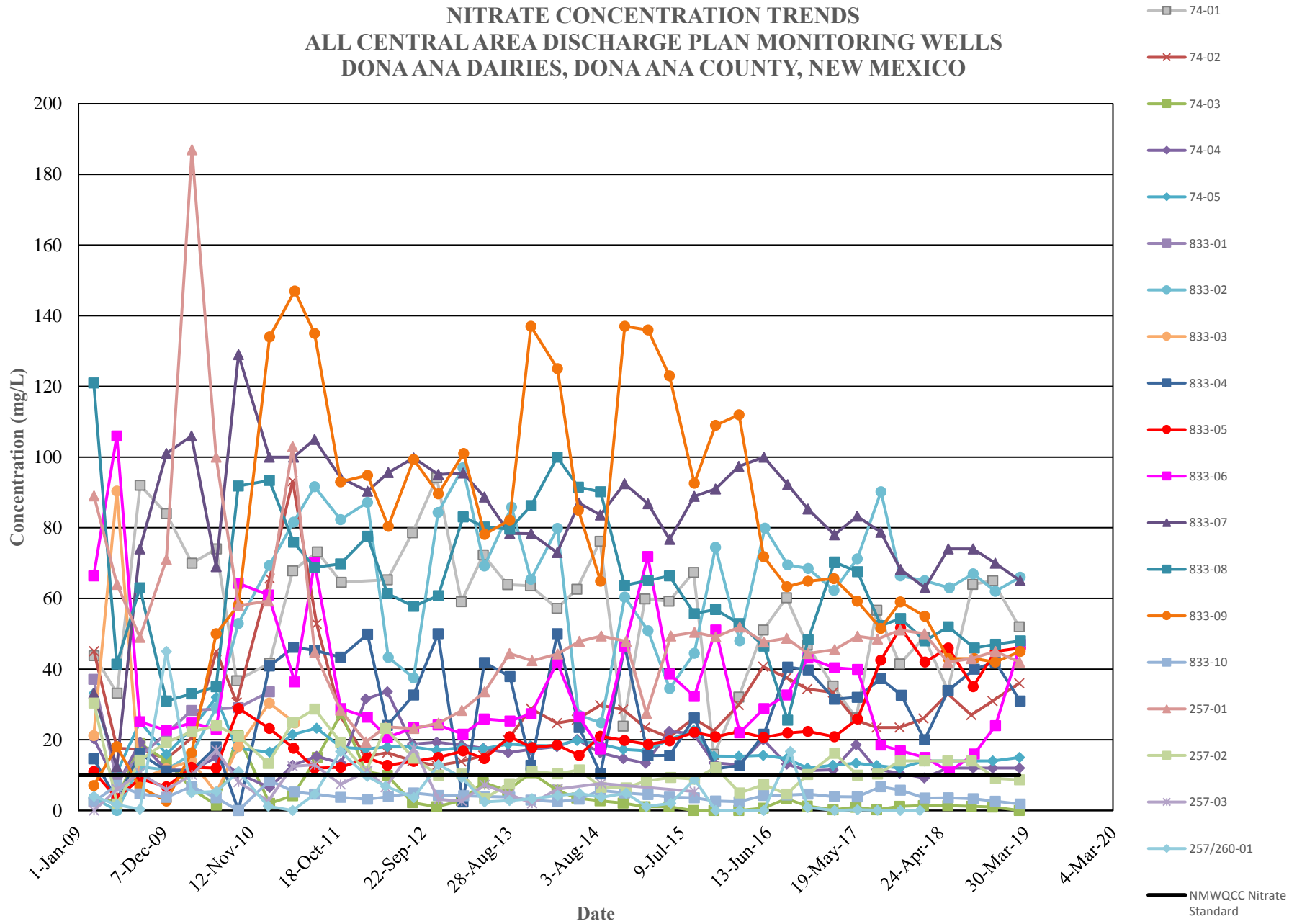


**NITRATE CONCENTRATION TRENDS  
GONZALEZ DISCHARGE PLAN MONITORING WELLS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



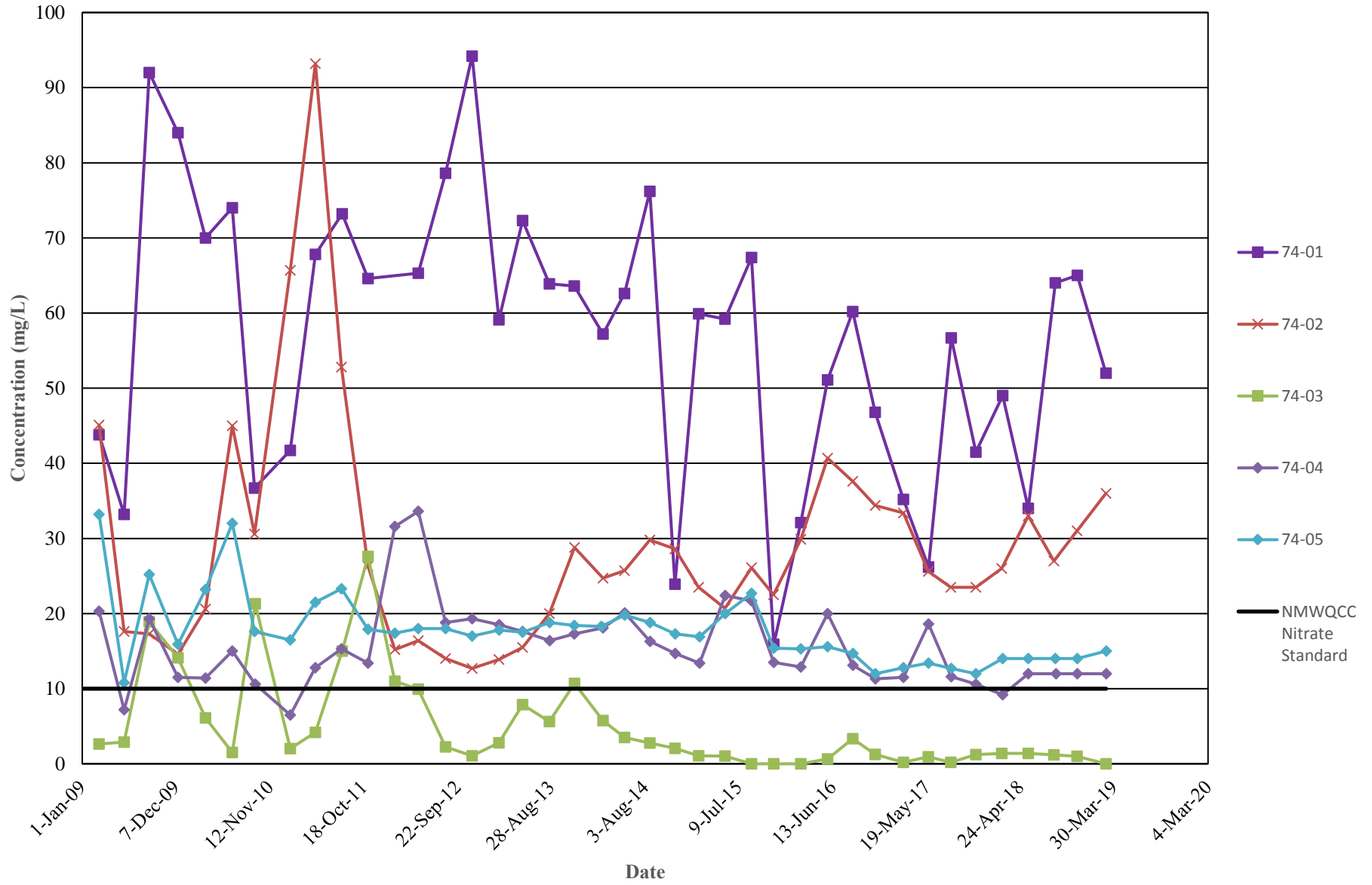


**NITRATE CONCENTRATION TRENDS**  
**ALL CENTRAL AREA DISCHARGE PLAN MONITORING WELLS**  
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



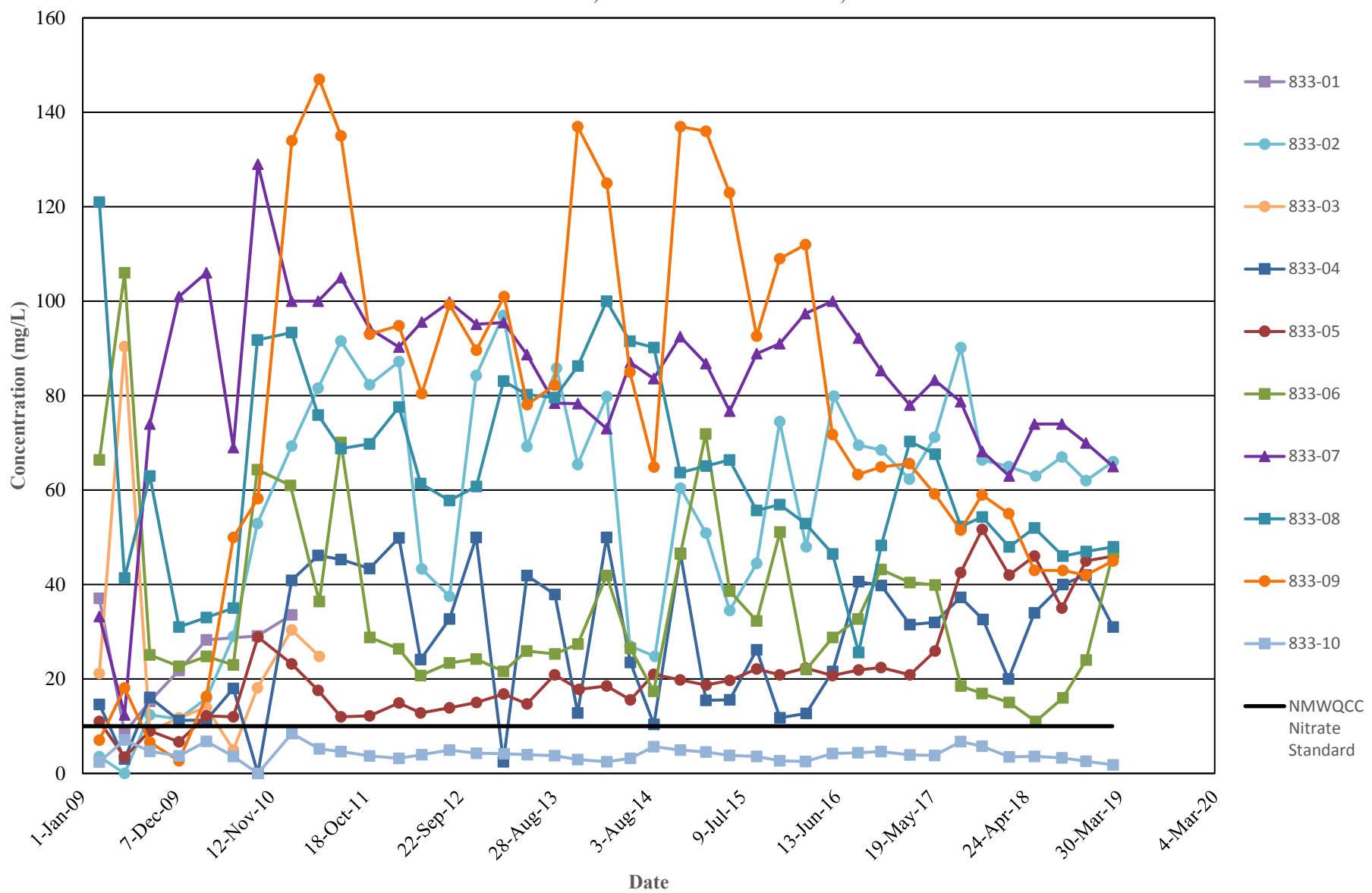


**NITRATE CONCENTRATION TRENDS  
 BUENA VISTA DAIRY II DISCHARGE PLAN MONITORING WELLS  
 DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



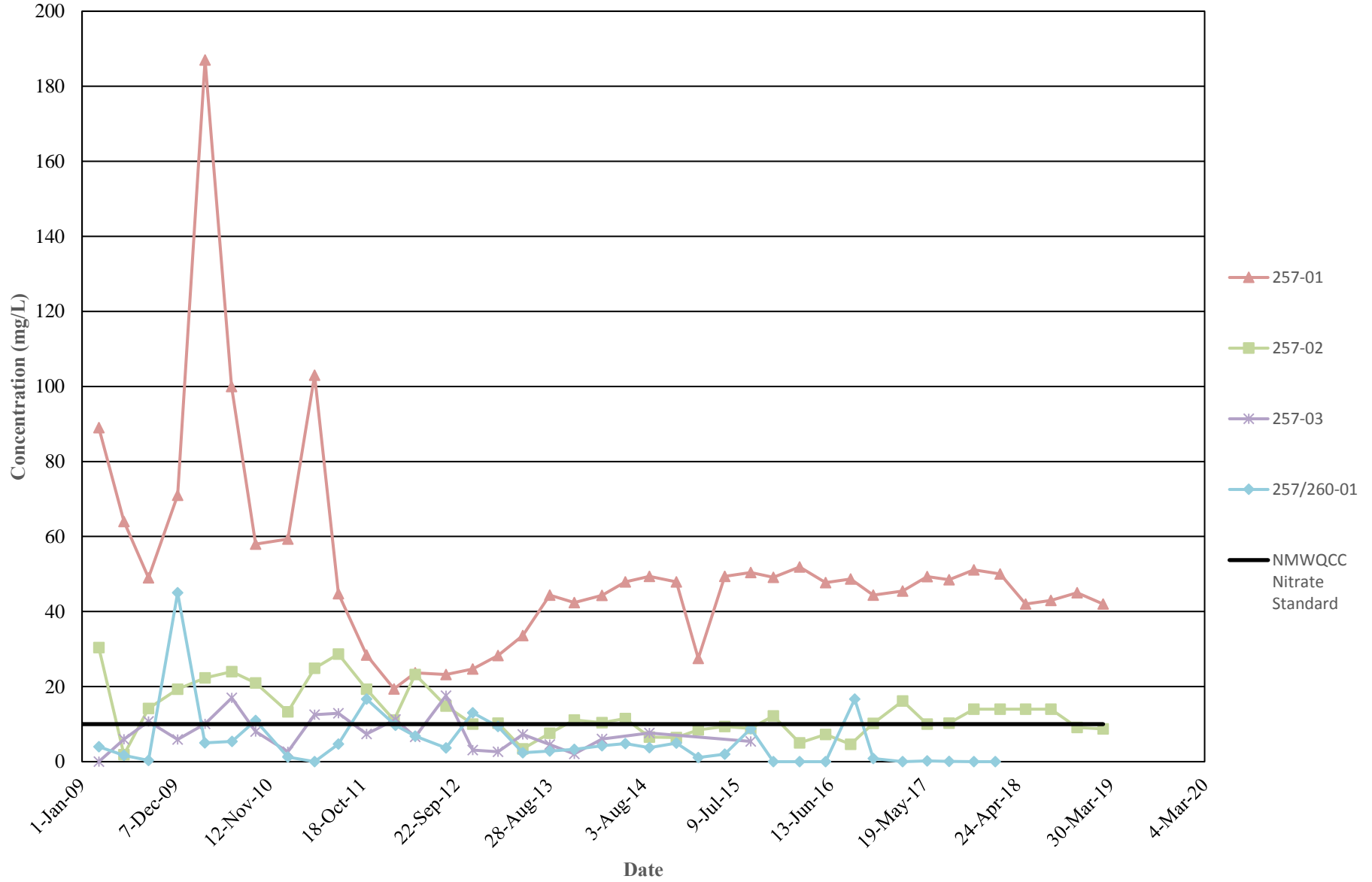


**NITRATE CONCENTRATION TRENDS  
BIG SKY DAIRY DISCHARGE PLAN MONITORING WELLS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



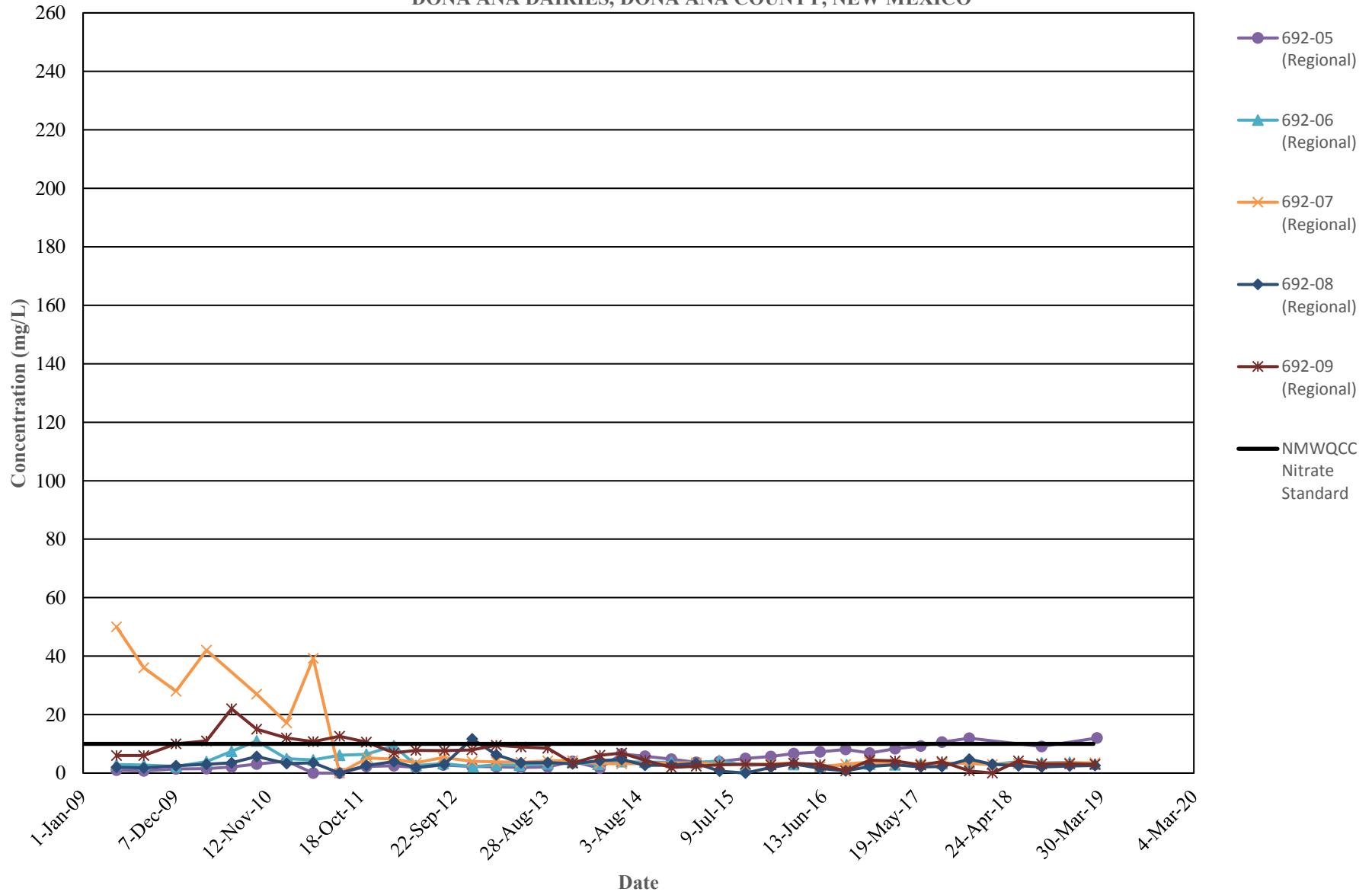


**NITRATE CONCENTRATION TRENDS**  
**SUNSET/DESERT LAND DAIRY DISCHARGE PLAN MONITORING WELLS**  
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



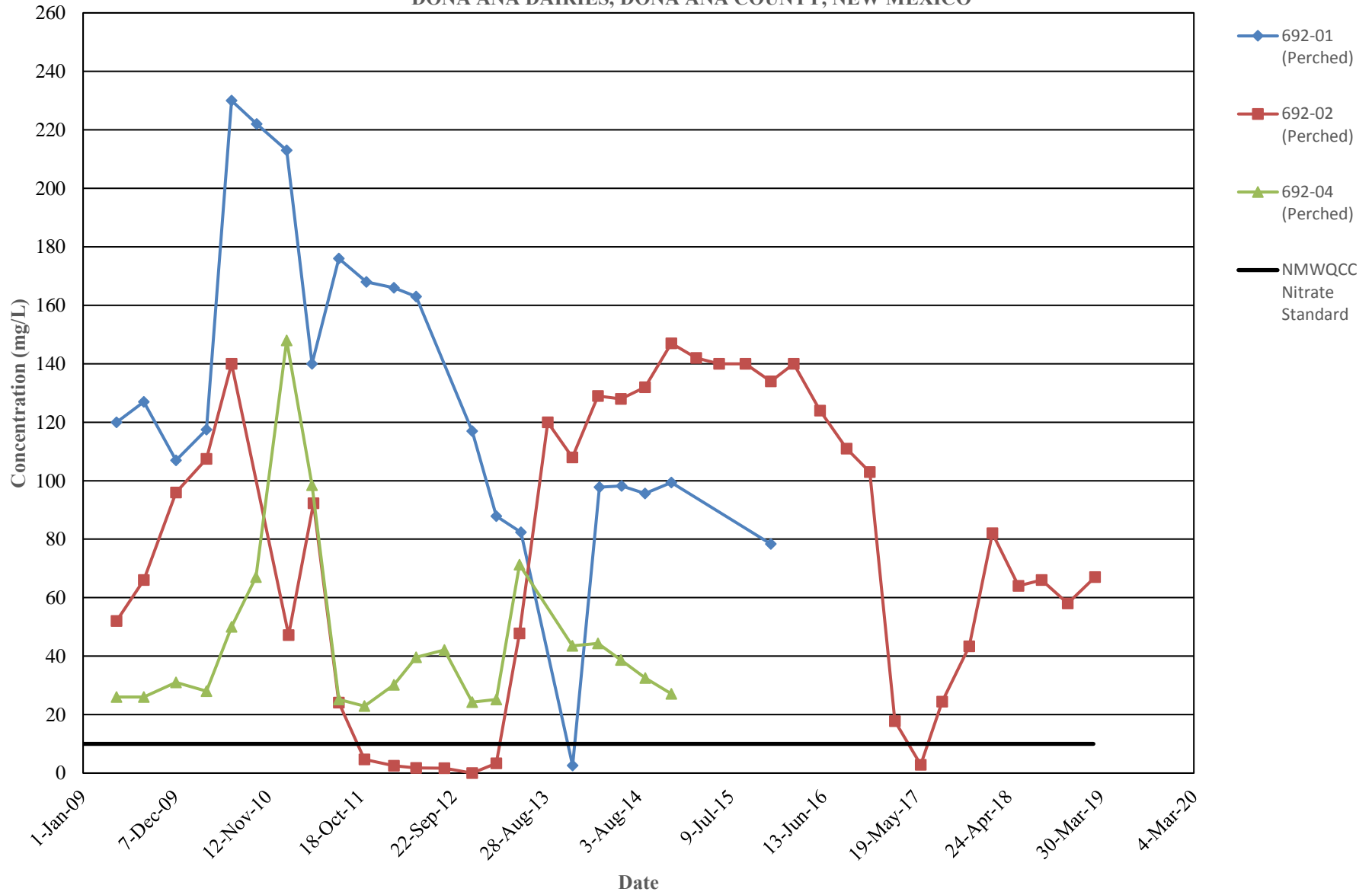


**NITRATE CONCENTRATION TRENDS  
SOUTHERN AREA (DEL ORO DAIRY) DISCHARGE PLAN MONITORING WELLS  
IN THE REGIONAL AQUIFER  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**





**NITRATE CONCENTRATION TRENDS  
SOUTHERN AREA (DEL ORO DAIRY) DISCHARGE PLAN MONITORING WELLS  
IN THE PERCHED AQUIFER  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

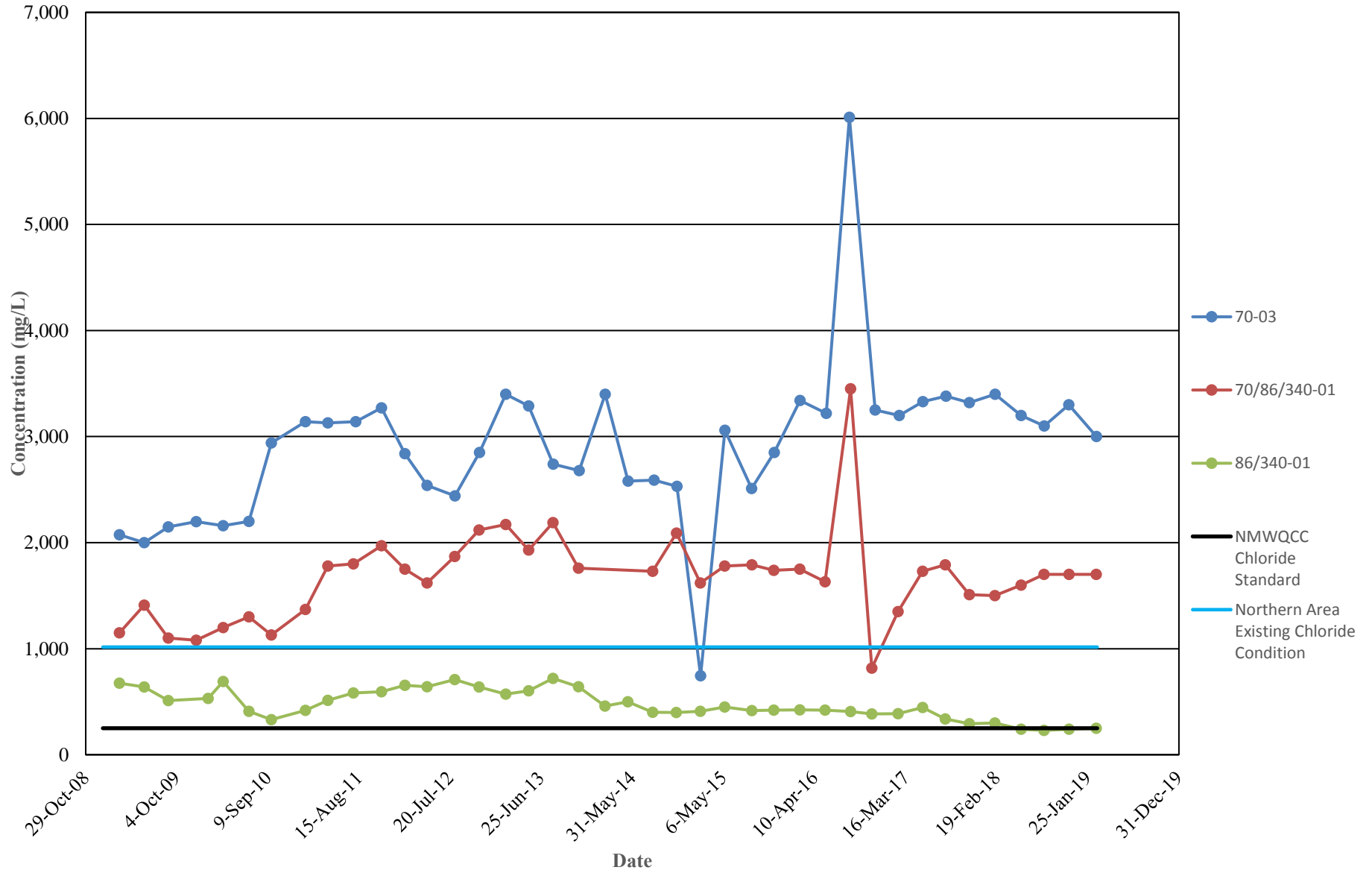






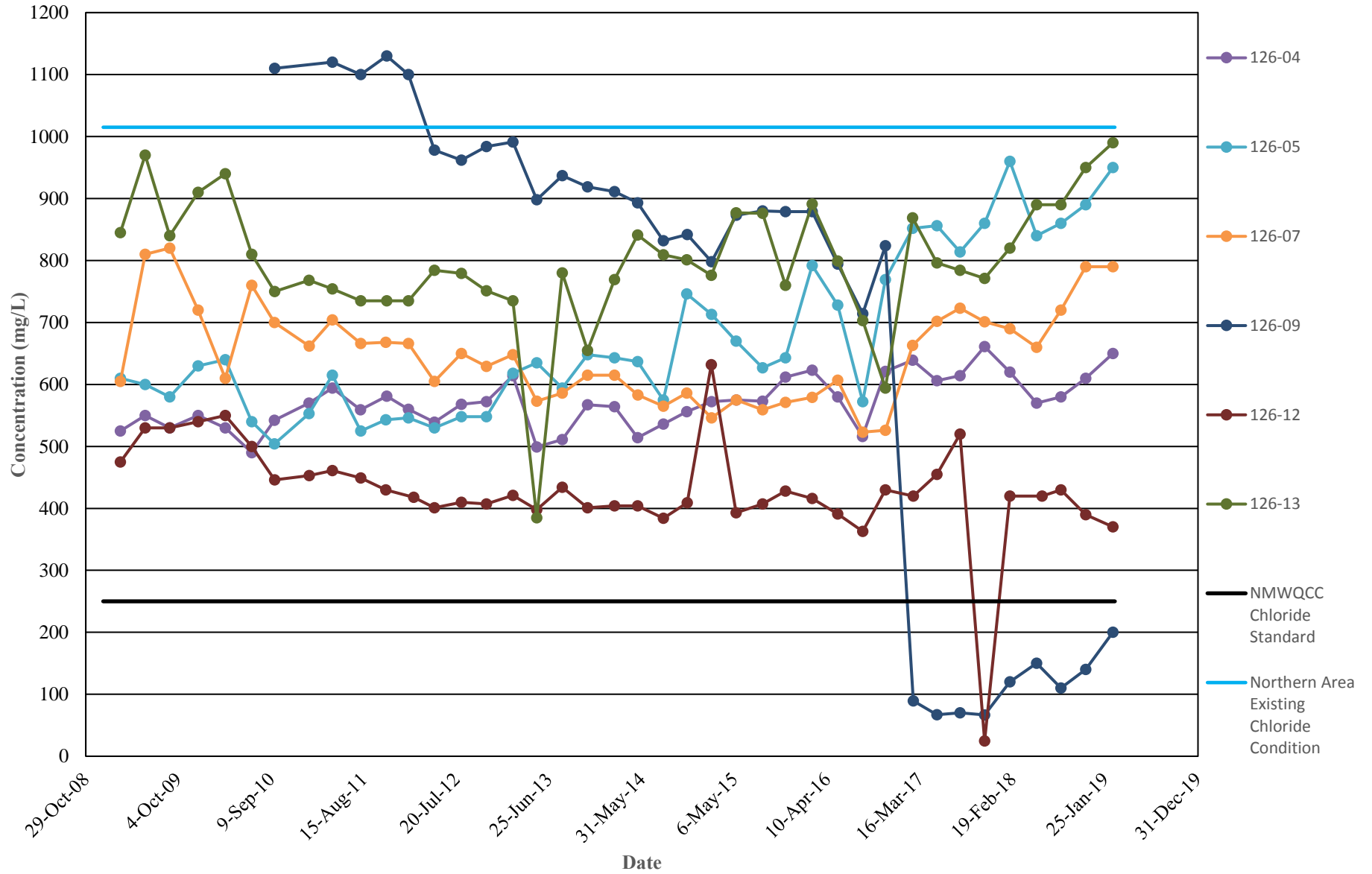


**CHLORIDE CONCENTRATION TRENDS**  
**NORTHERN LAND APPLICATION AREA DISCHARGE PLAN MONITORING WELLS**  
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



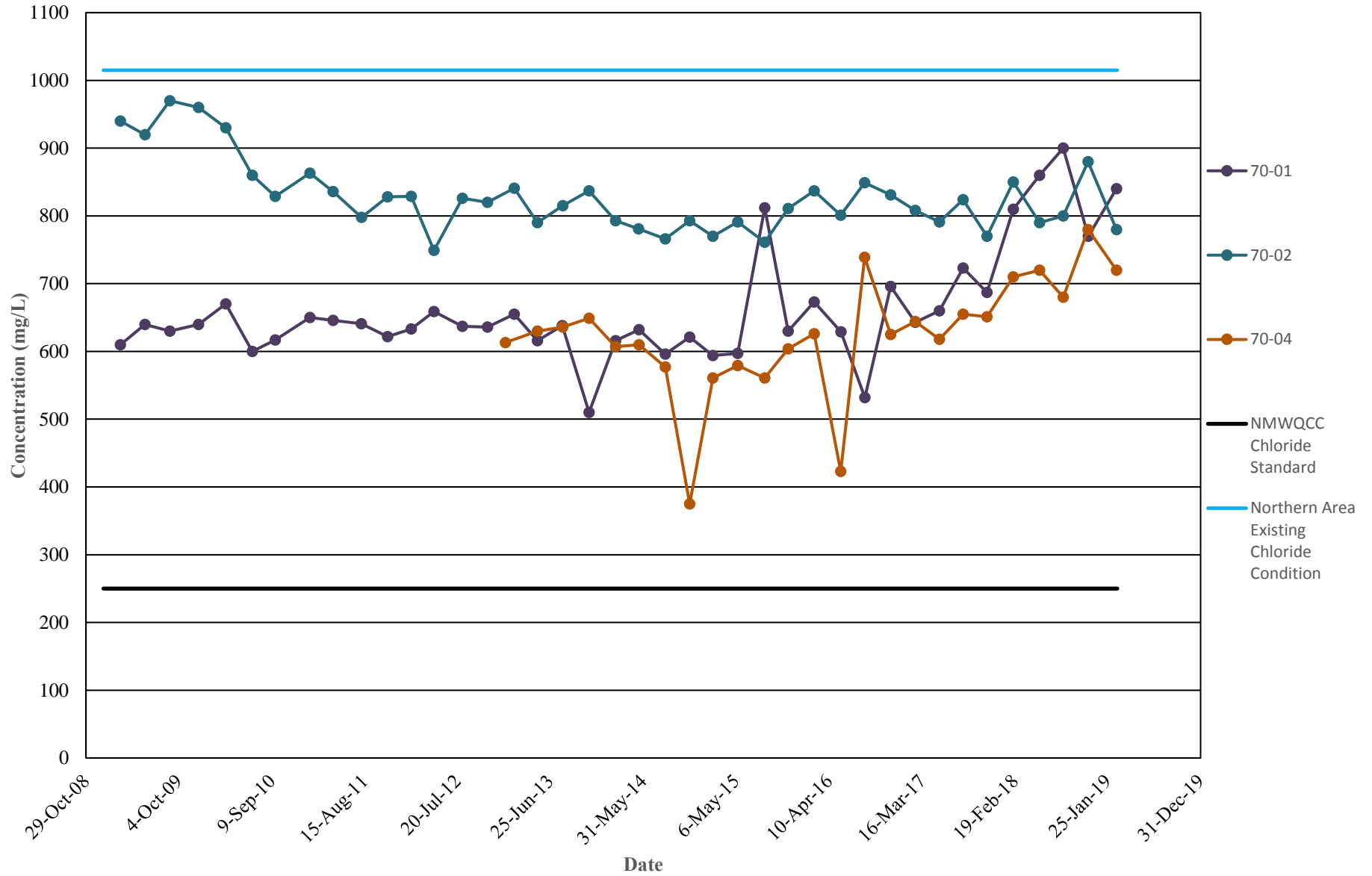


**CHLORIDE CONCENTRATION TRENDS**  
**ORGAN DAIRY (DEL NORTE DAIRY/DAYBREAD DAIRY) DISCHARGE PLAN MONITORING WELLS**  
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



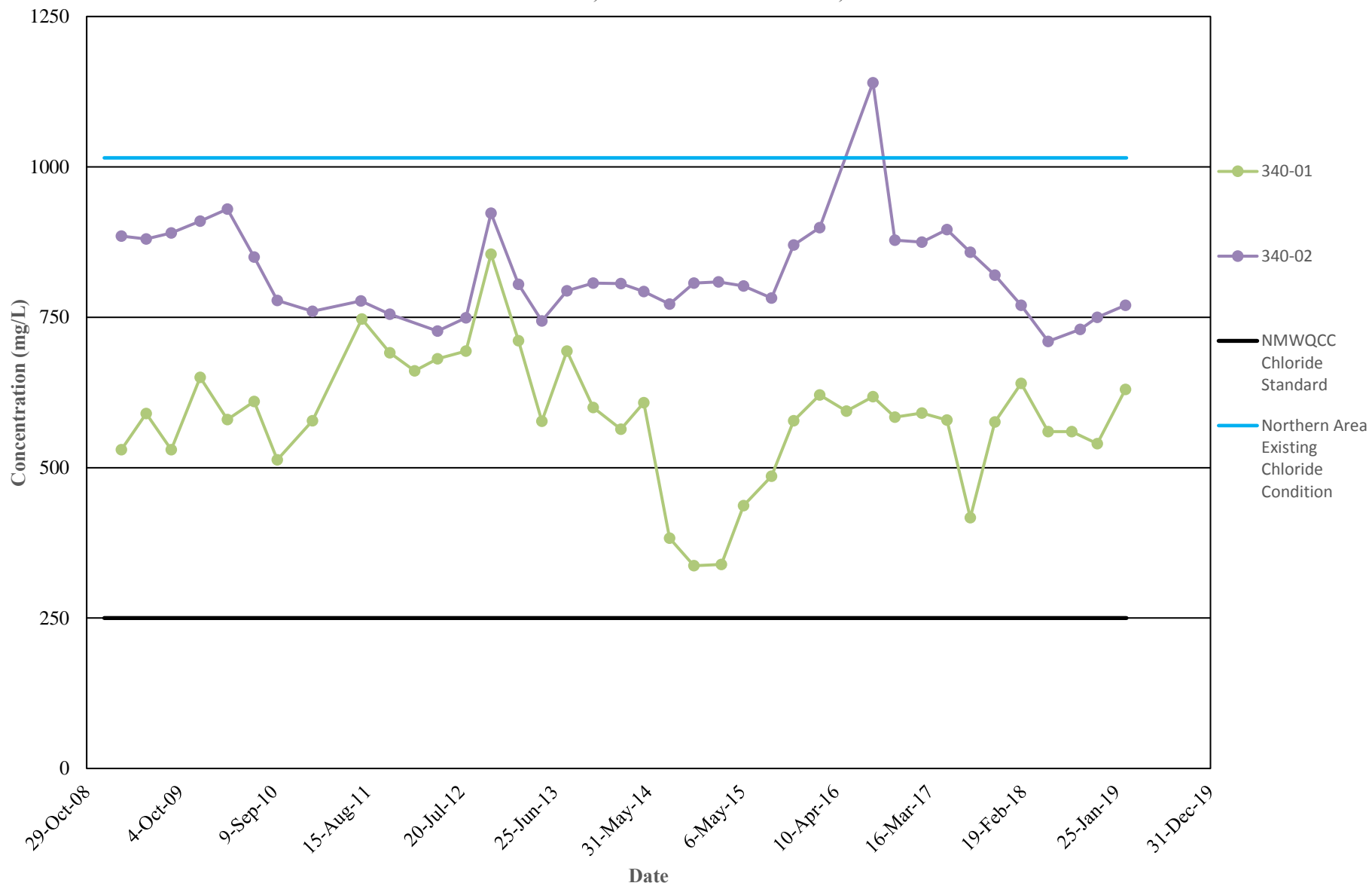


**CHLORIDE CONCENTRATION TRENDS**  
**MOUNTAIN VIEW DAIRY DISCHARGE PLAN MONITORING WELLS**  
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**





**CHLORIDE CONCENTRATION TRENDS  
BRIGHT STAR DAIRY DISCHARGE PLAN MONITORING WELLS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

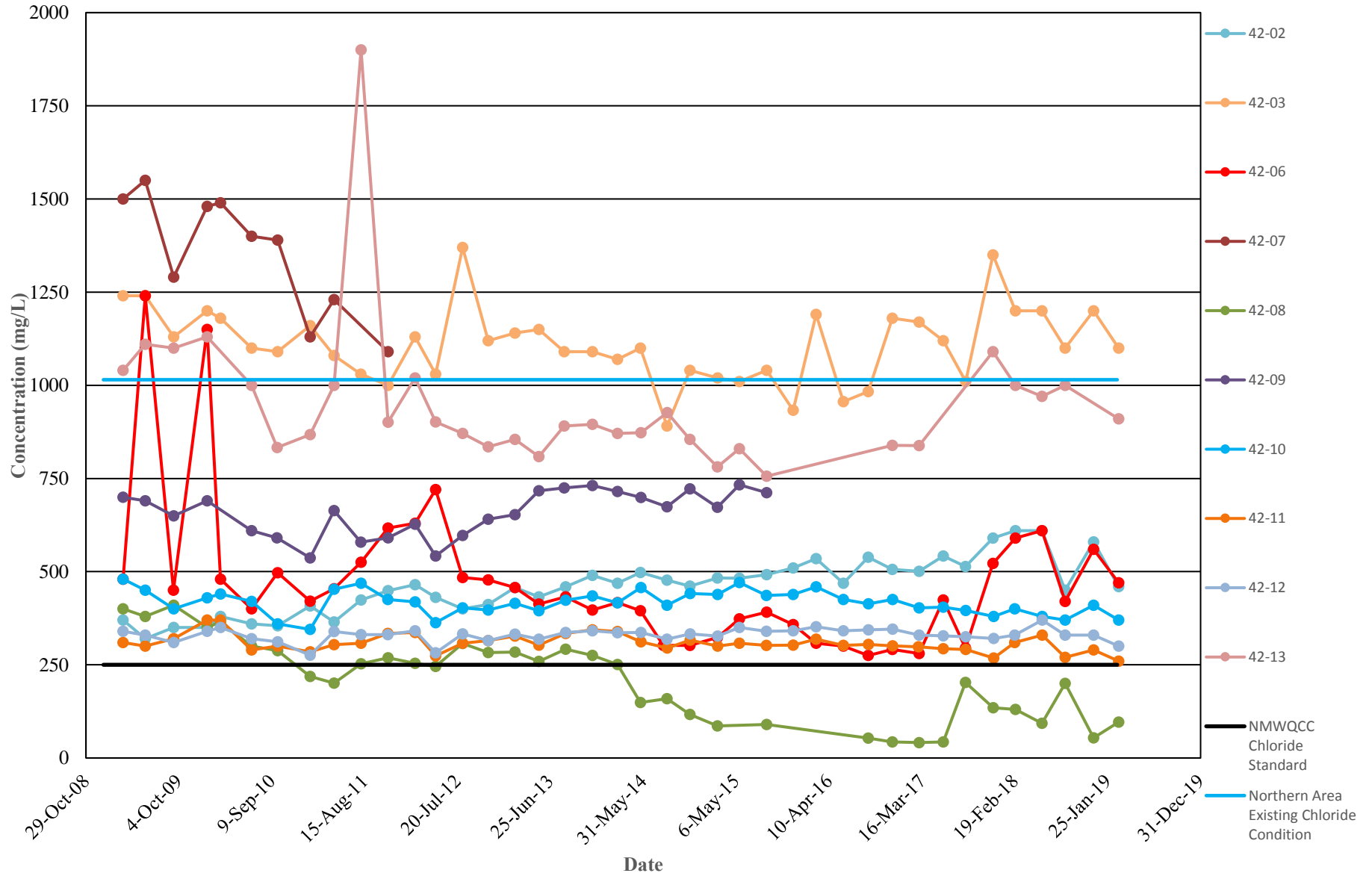




# CHLORIDE CONCENTRATION TRENDS

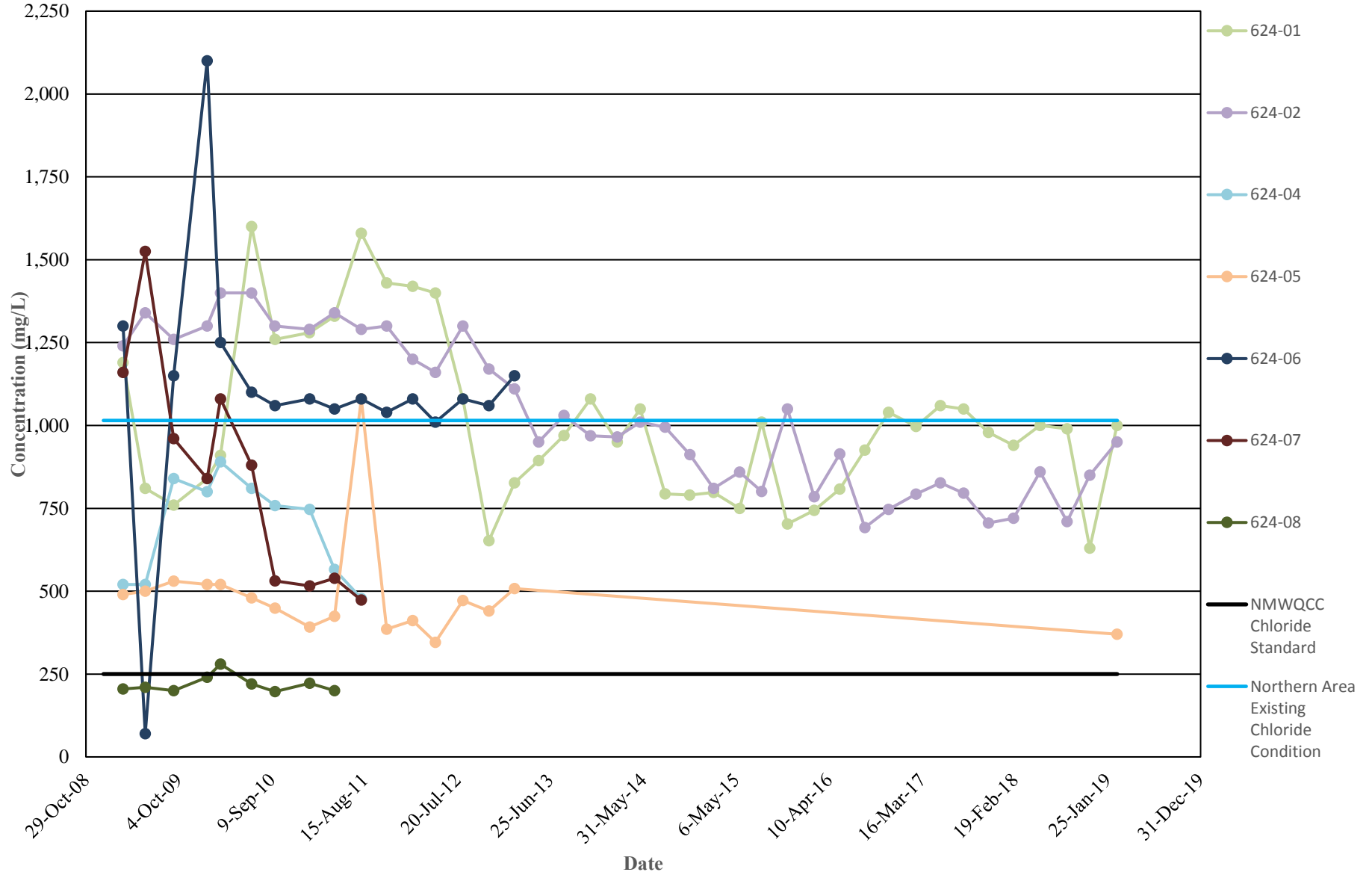
## FORMER D&J DAIRY (DOMINGUEZ 2) DISCHARGE PLAN MONITORING WELLS

### DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



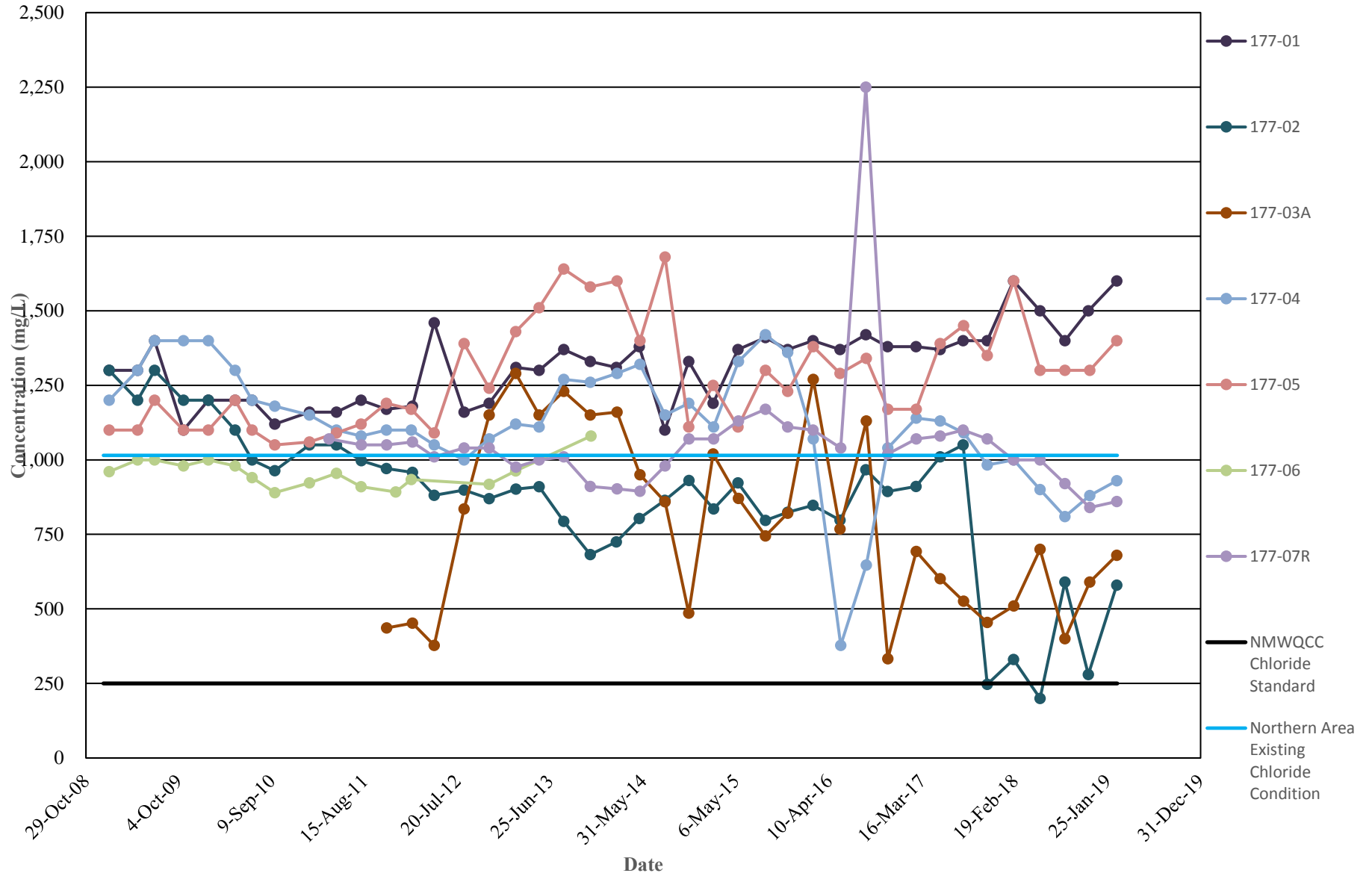


# CHLORIDE CONCENTRATION TRENDS DOMINGUEZ DISCHARGE PLAN MONITORING WELLS DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



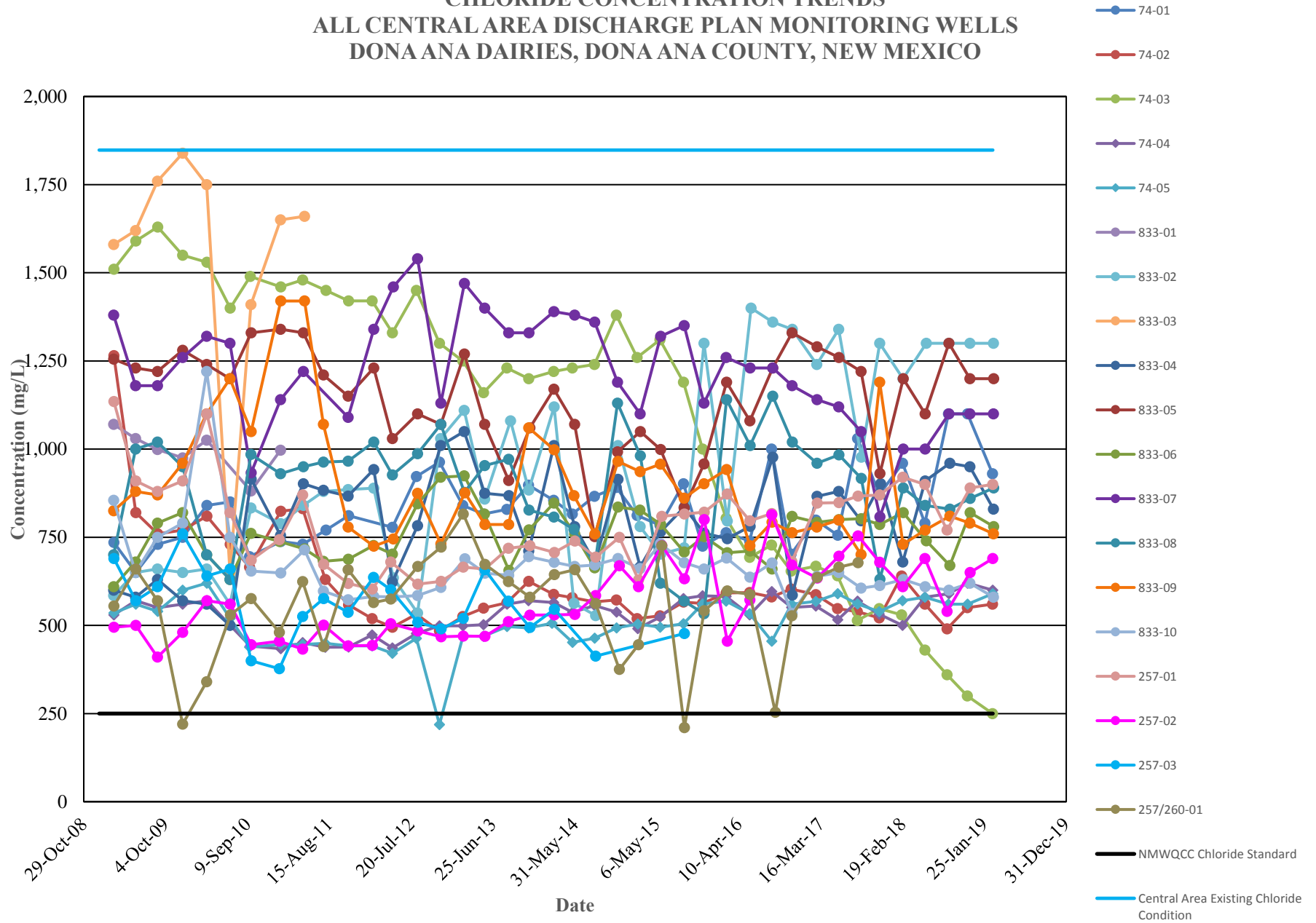


**CHLORIDE CONCENTRATION TRENDS  
GONZALEZ DISCHARGE PLAN MONITORING WELLS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



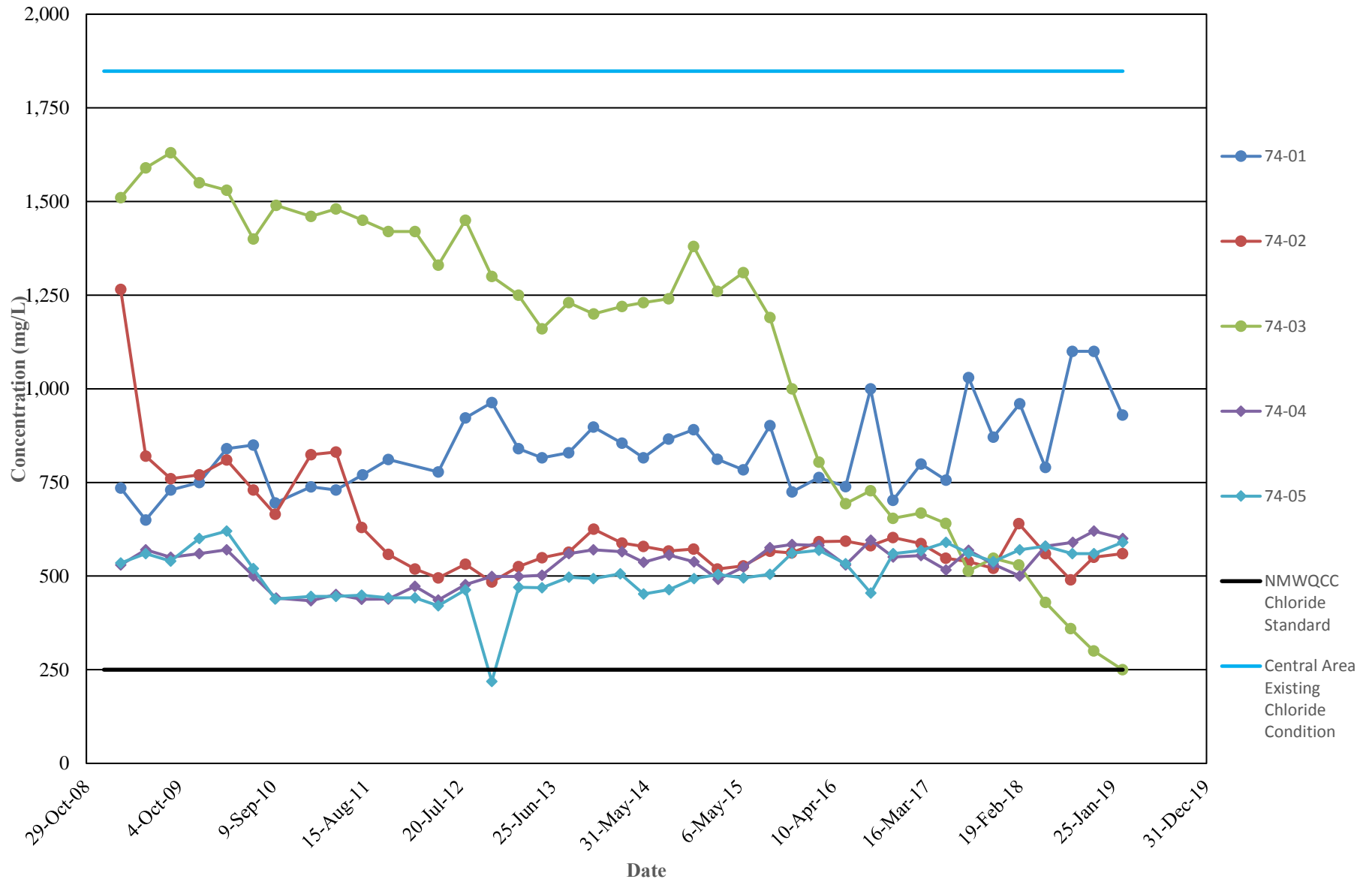


**CHLORIDE CONCENTRATION TRENDS**  
**ALL CENTRAL AREA DISCHARGE PLAN MONITORING WELLS**  
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



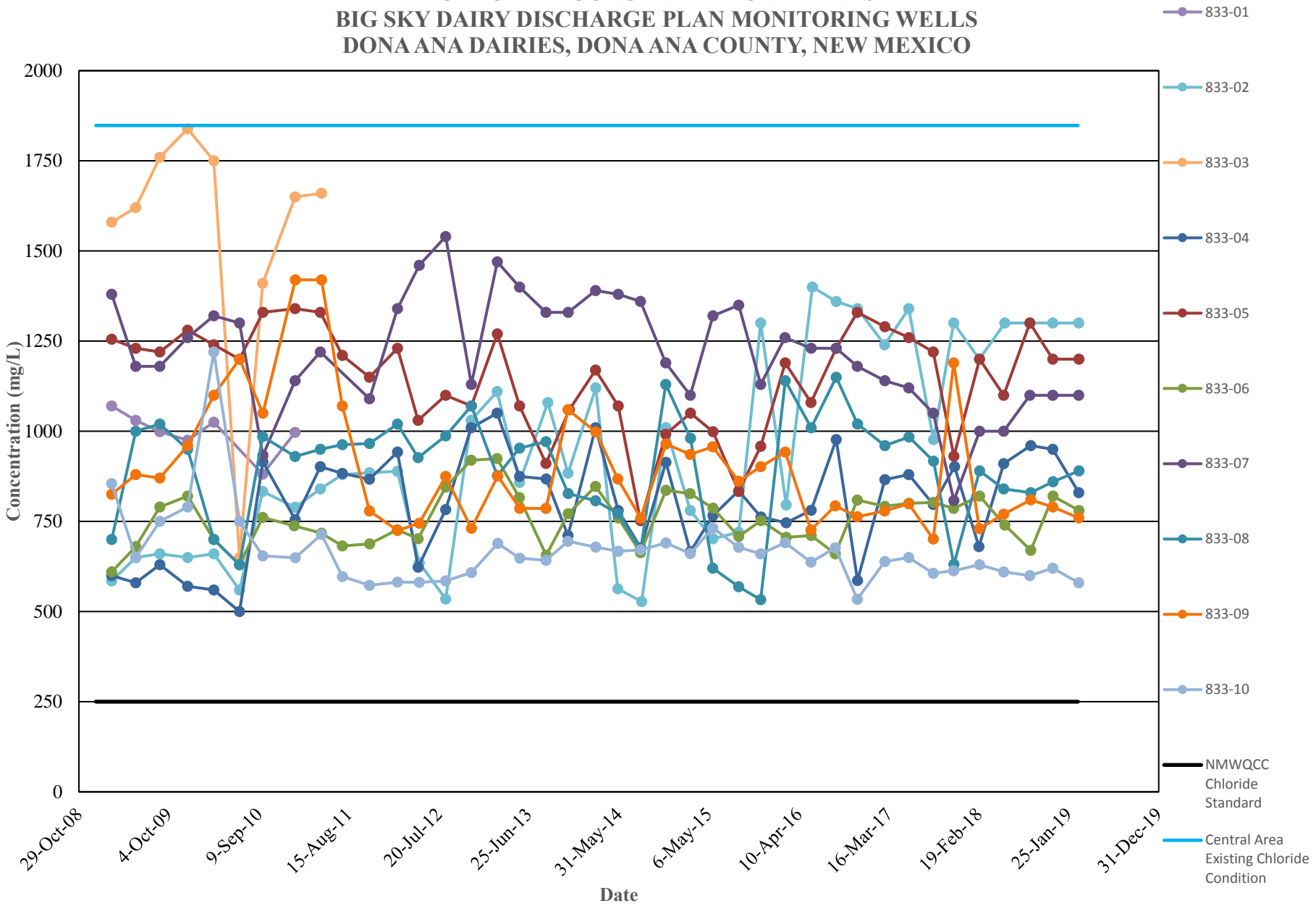


**CHLORIDE CONCENTRATION TRENDS**  
**BUENA VISTA DAIRY II DISCHARGE PLAN MONITORING WELLS**  
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



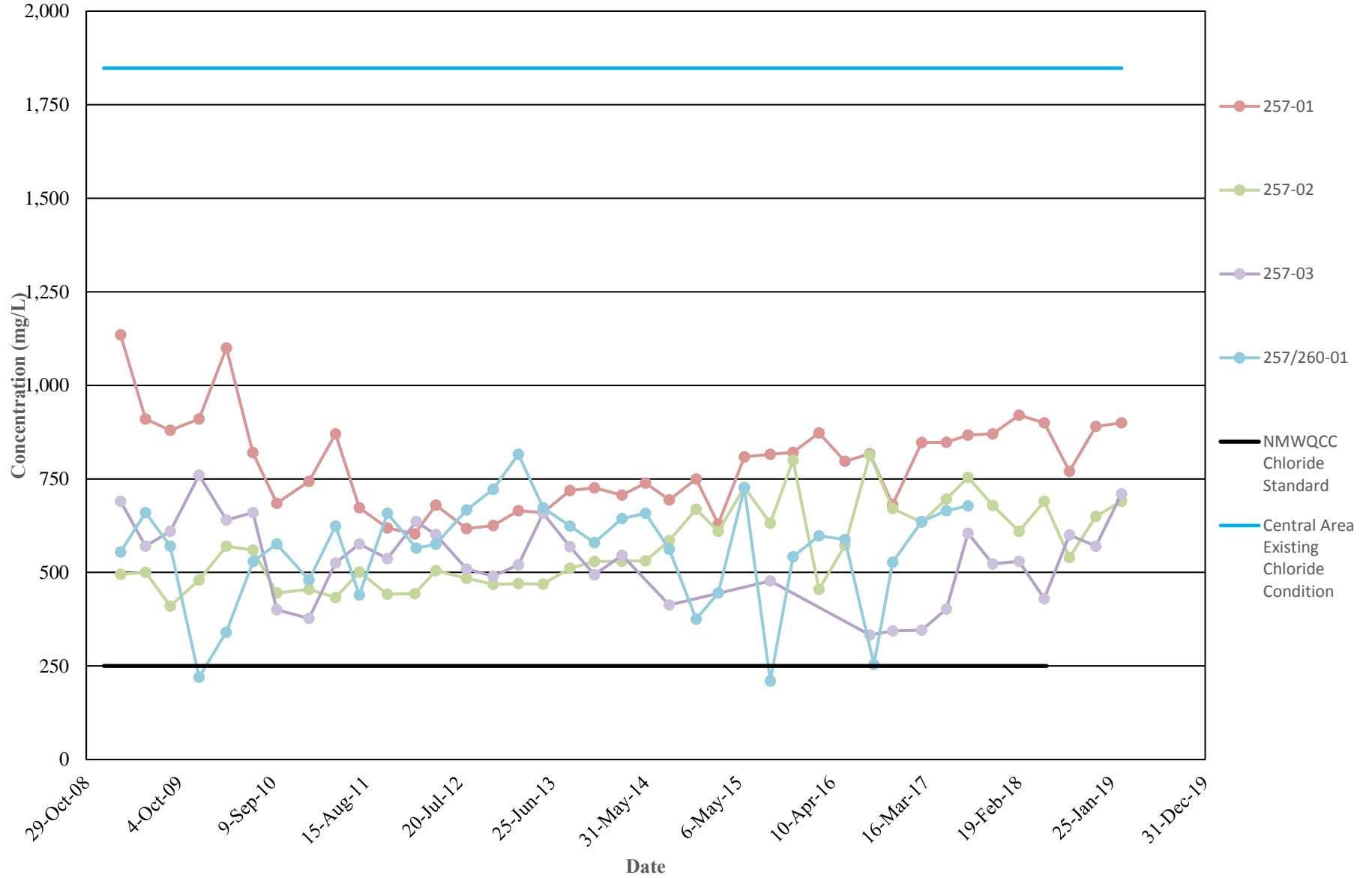


**CHLORIDE CONCENTRATION TRENDS  
BIG SKY DAIRY DISCHARGE PLAN MONITORING WELLS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



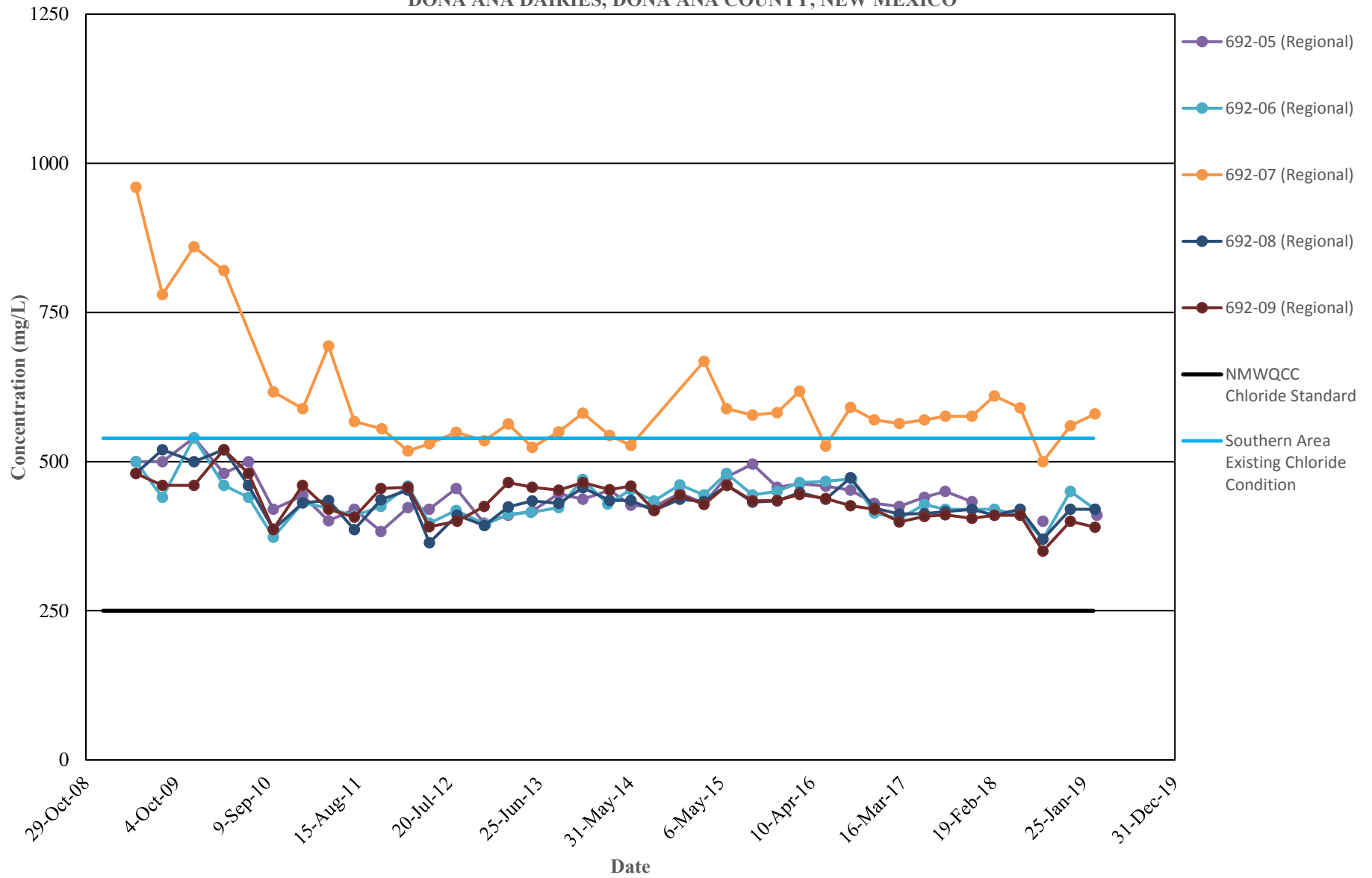


**CHLORIDE CONCENTRATION TRENDS**  
**SUNSET/DESERT LAND DAIRY DISCHARGE PLAN MONITORING WELLS**  
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



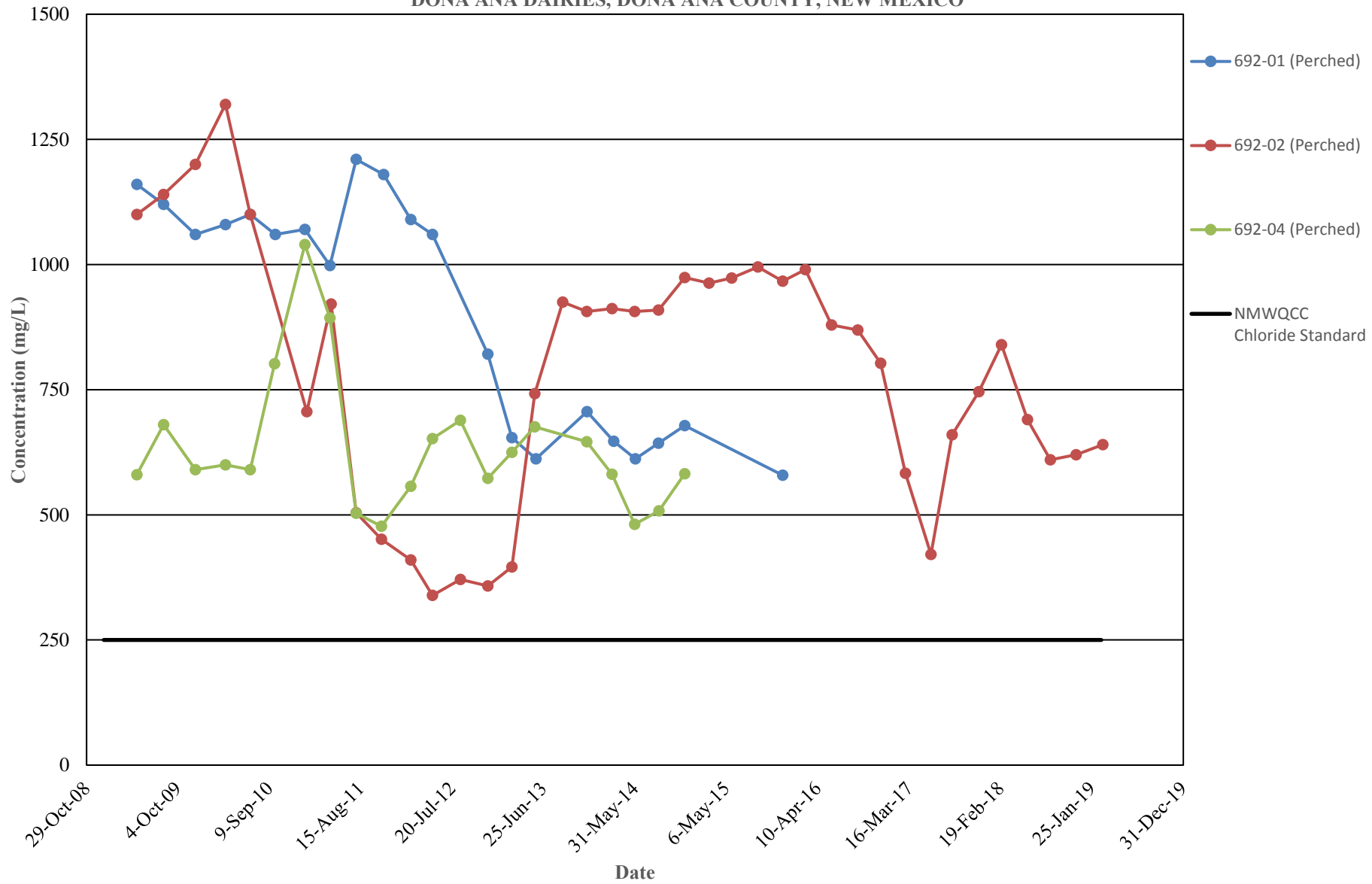


**CHLORIDE CONCENTRATION TRENDS**  
**SOUTHERN AREA (DEL ORO DAIRY) DISCHARGE PLAN MONITORING WELLS**  
**IN THE REGIONAL AQUIFER**  
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



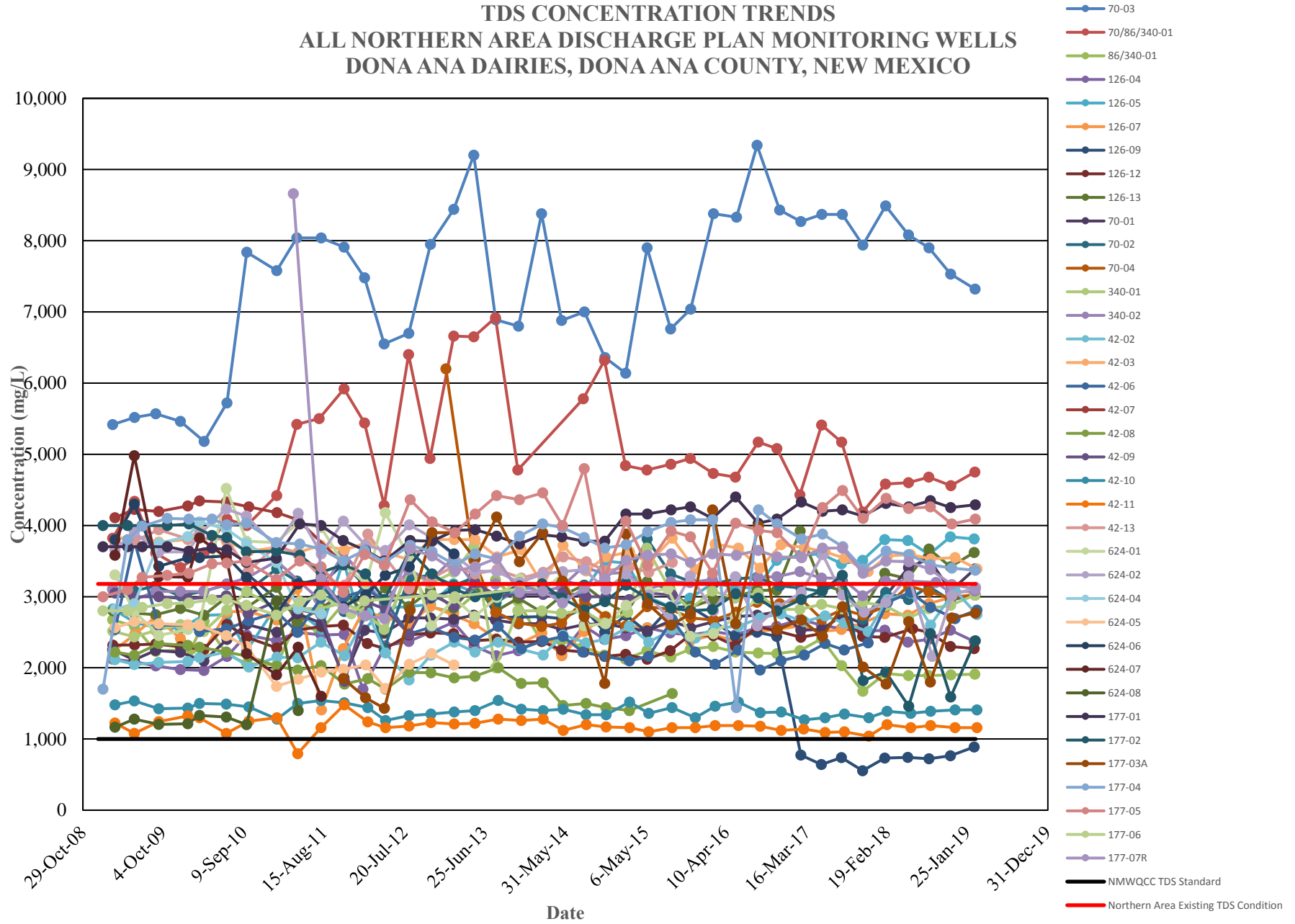


**CHLORIDE CONCENTRATION TRENDS  
SOUTHERN AREA (DEL ORO DAIRY) DISCHARGE PLAN MONITORING WELLS  
IN THE PERCHED AQUIFER  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



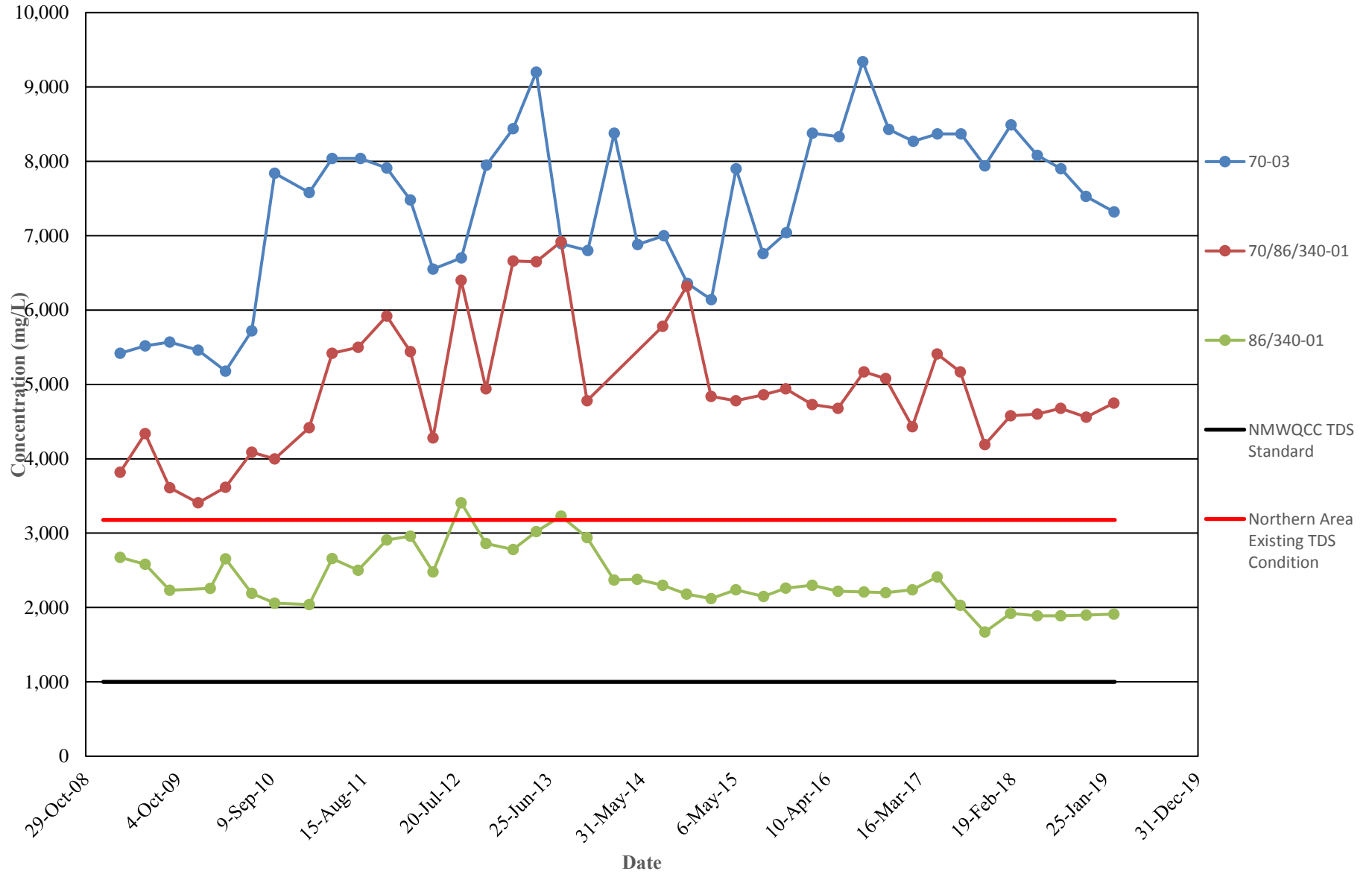


### TDS CONCENTRATION TRENDS ALL NORTHERN AREA DISCHARGE PLAN MONITORING WELLS DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



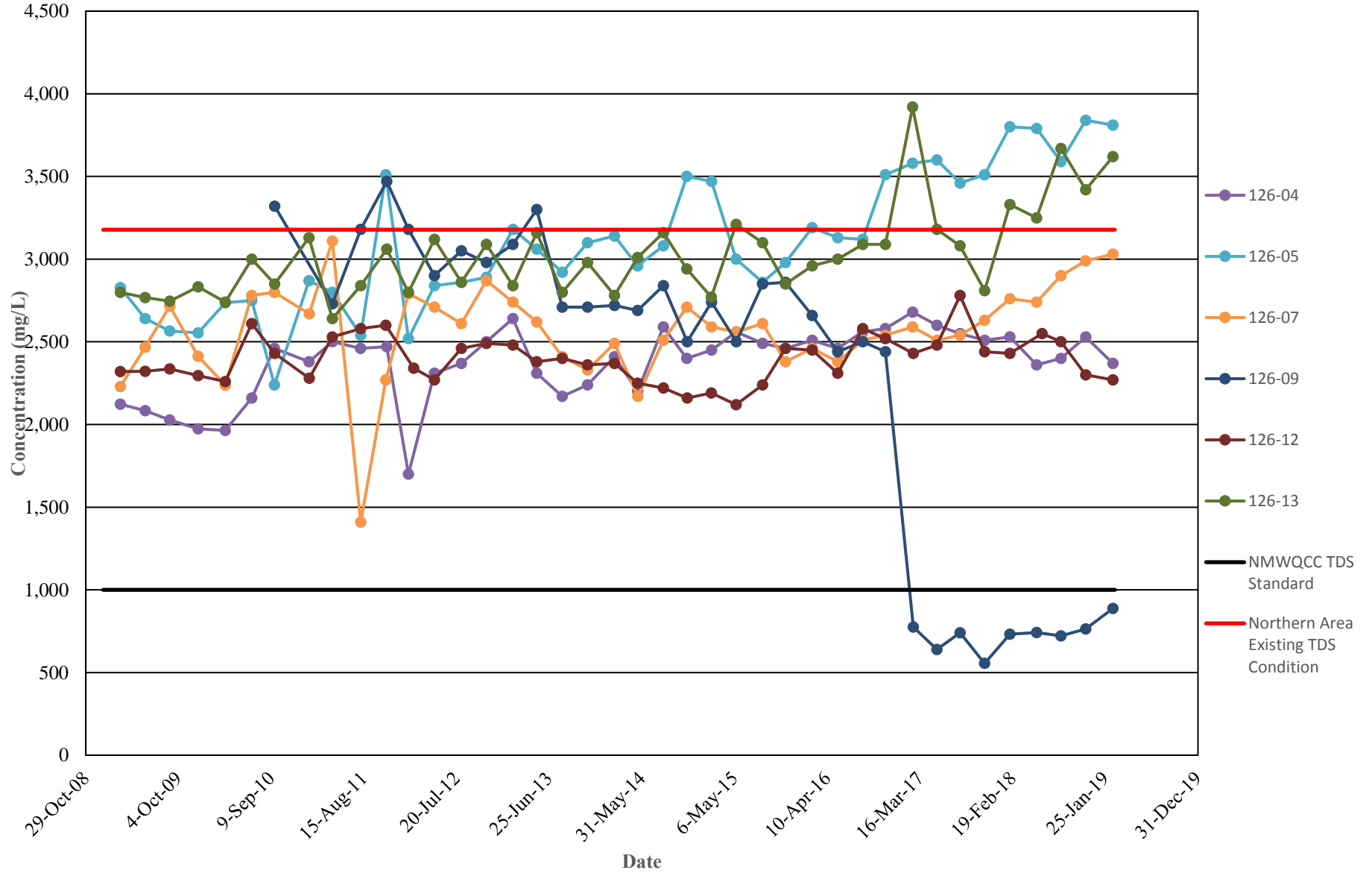


**TDS CONCENTRATION TRENDS**  
**NORTHERN LAND APPLICATION DISCHARGE PLAN MONITORING WELLS**  
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



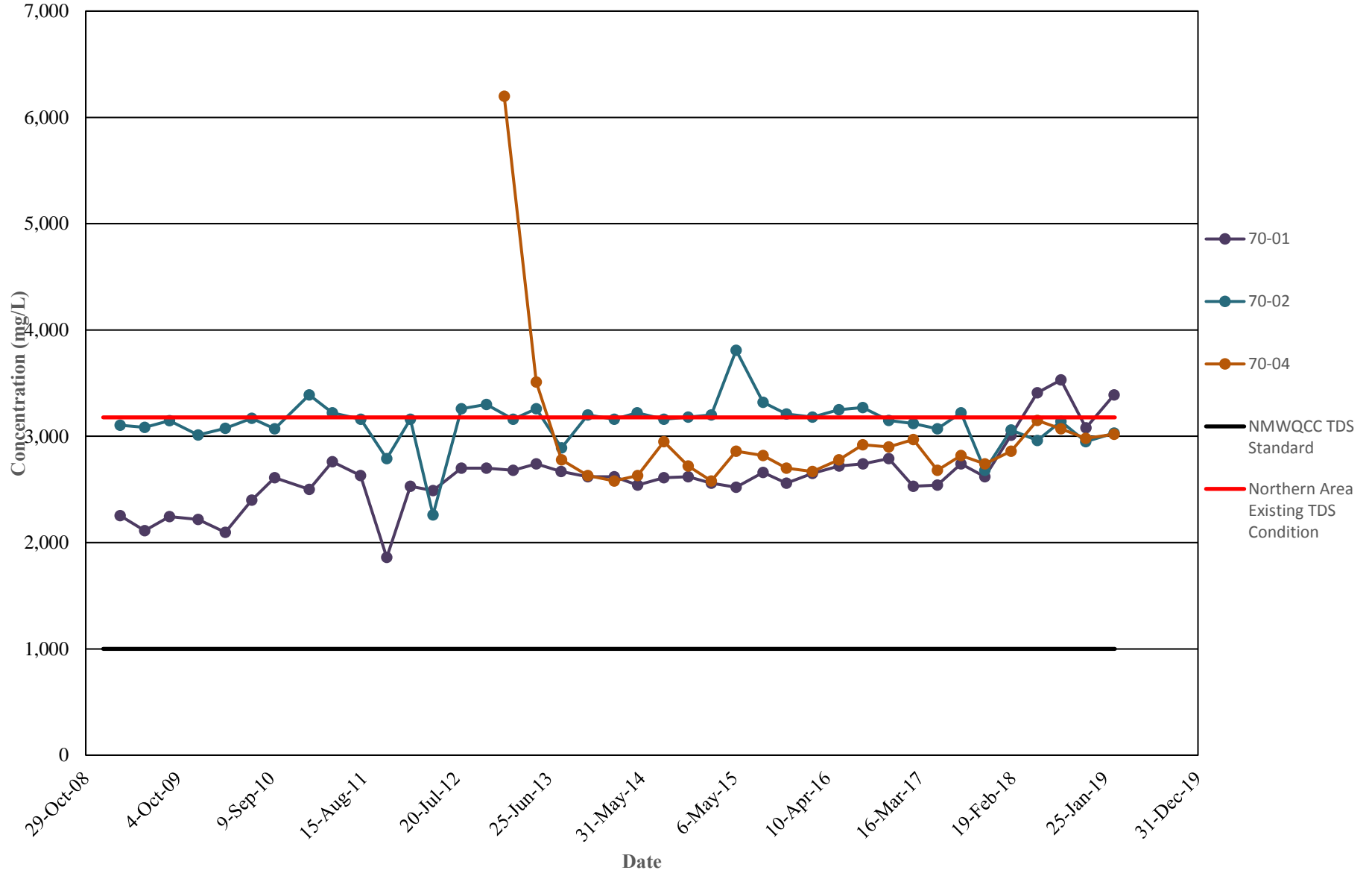


**TDS CONCENTRATION TRENDS  
ORGAN DAIRY DISCHARGE PLAN MONITORING WELLS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



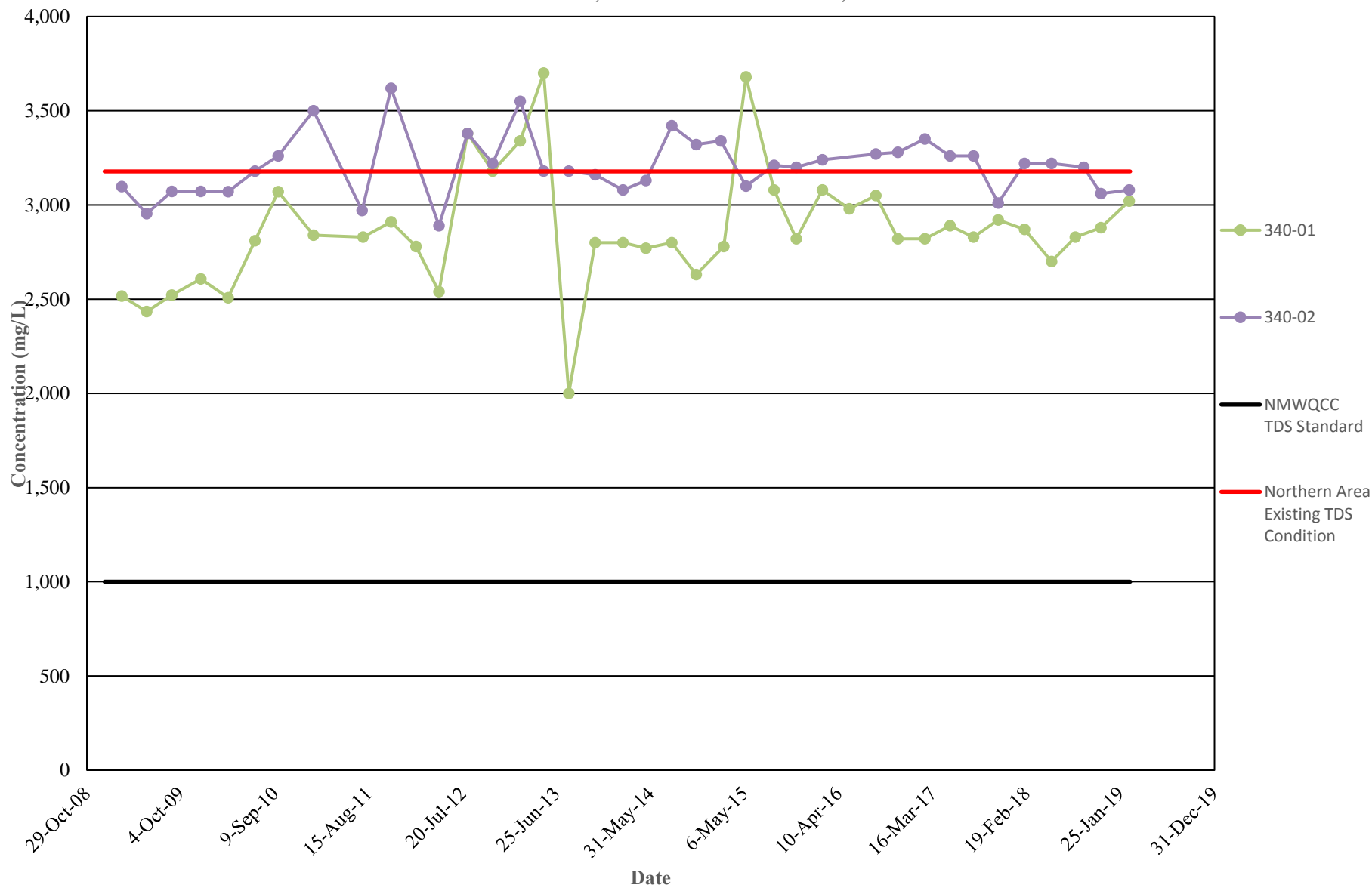


**TDS CONCENTRATION TRENDS**  
**MOUNTAIN VIEW DAIRY DISCHARGE PLAN MONITORING WELLS**  
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



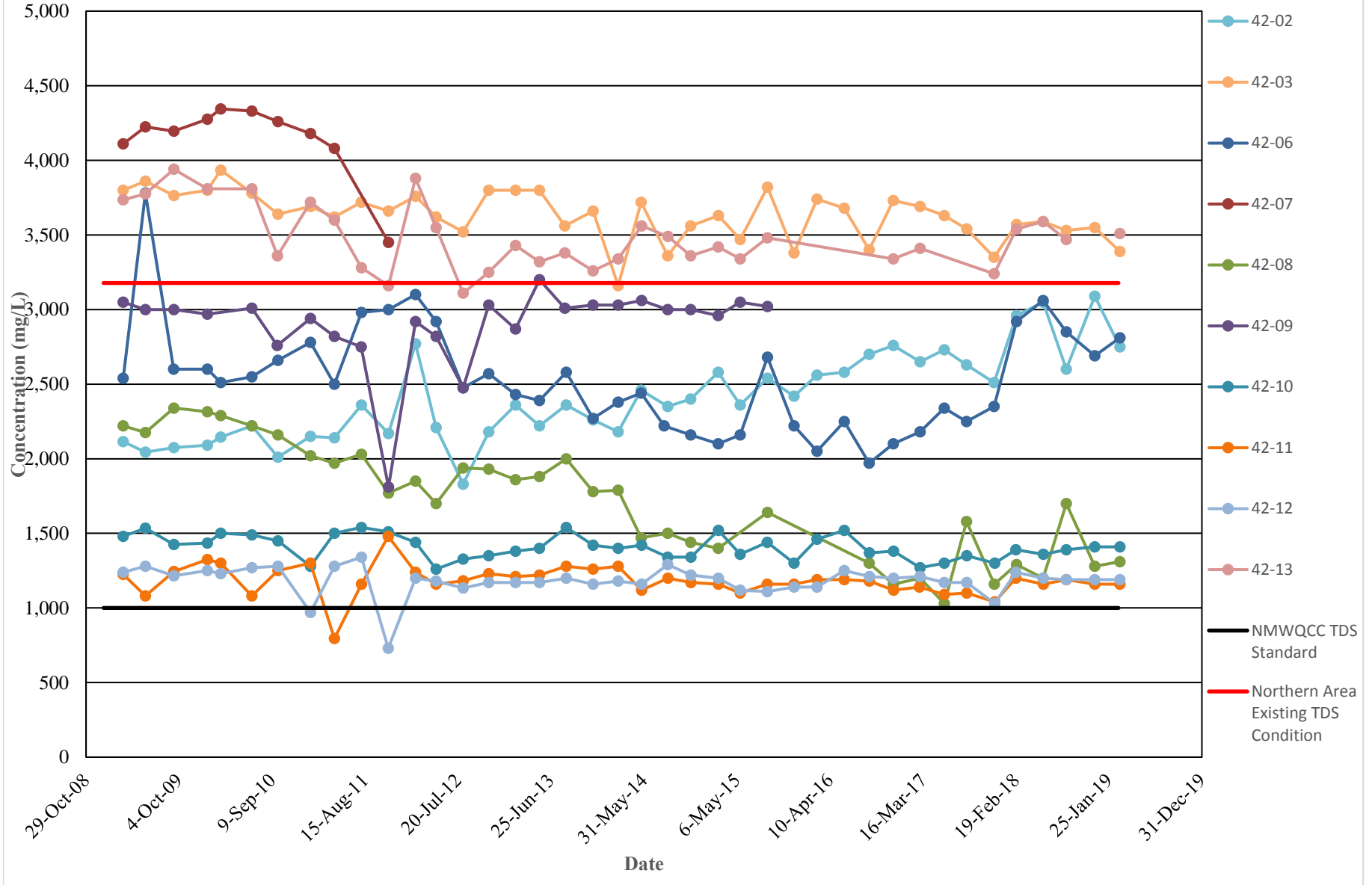


**TDS CONCENTRATION TRENDS**  
**BRIGHT STAR DAIRY DISCHARGE PLAN MONITORING WELLS**  
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



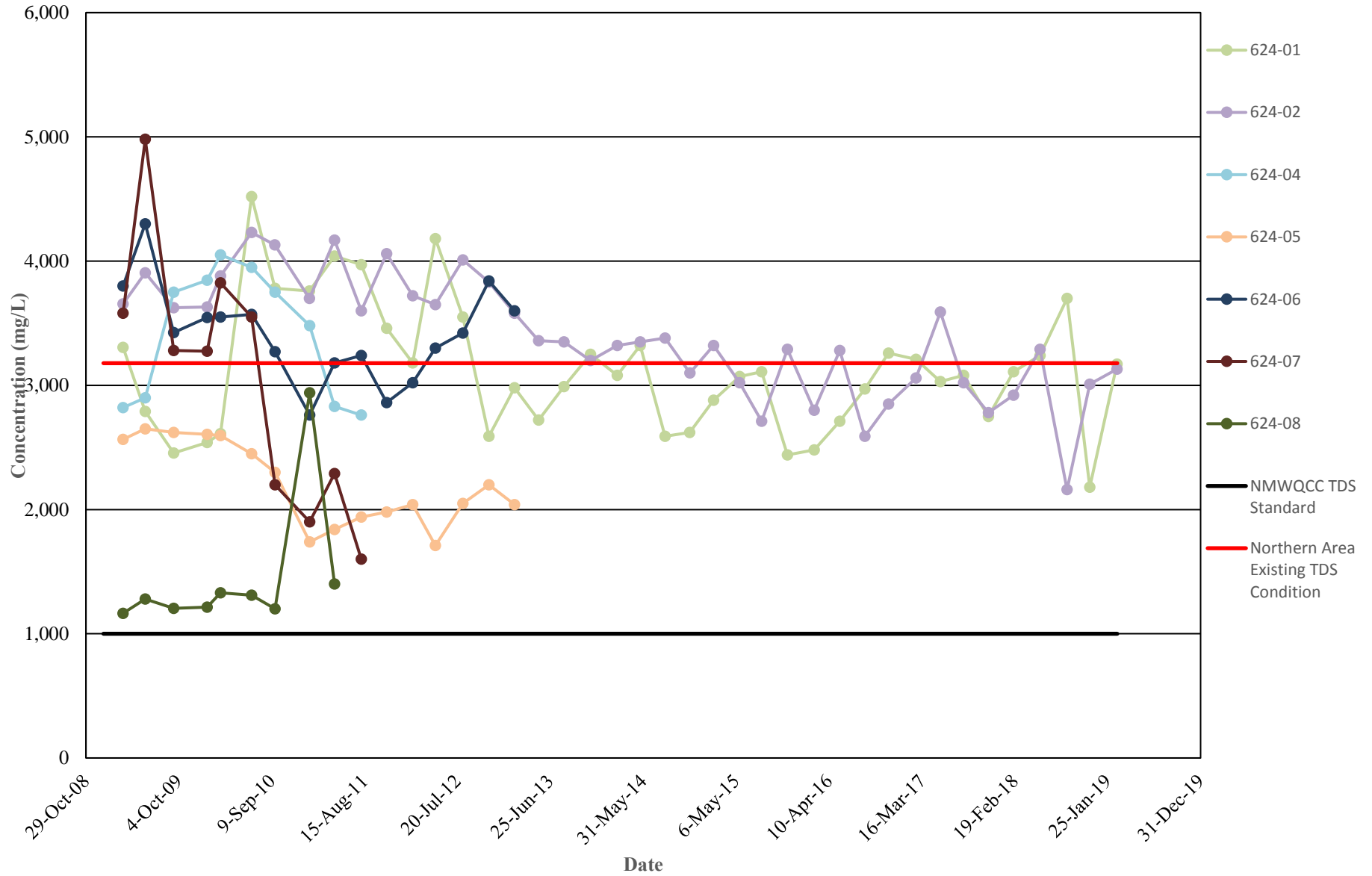


**TDS CONCENTRATION TRENDS**  
**FORMER D&J DAIRY (DOMINGUEZ 2) DISCHARGE PLAN MONITORING WELLS**  
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



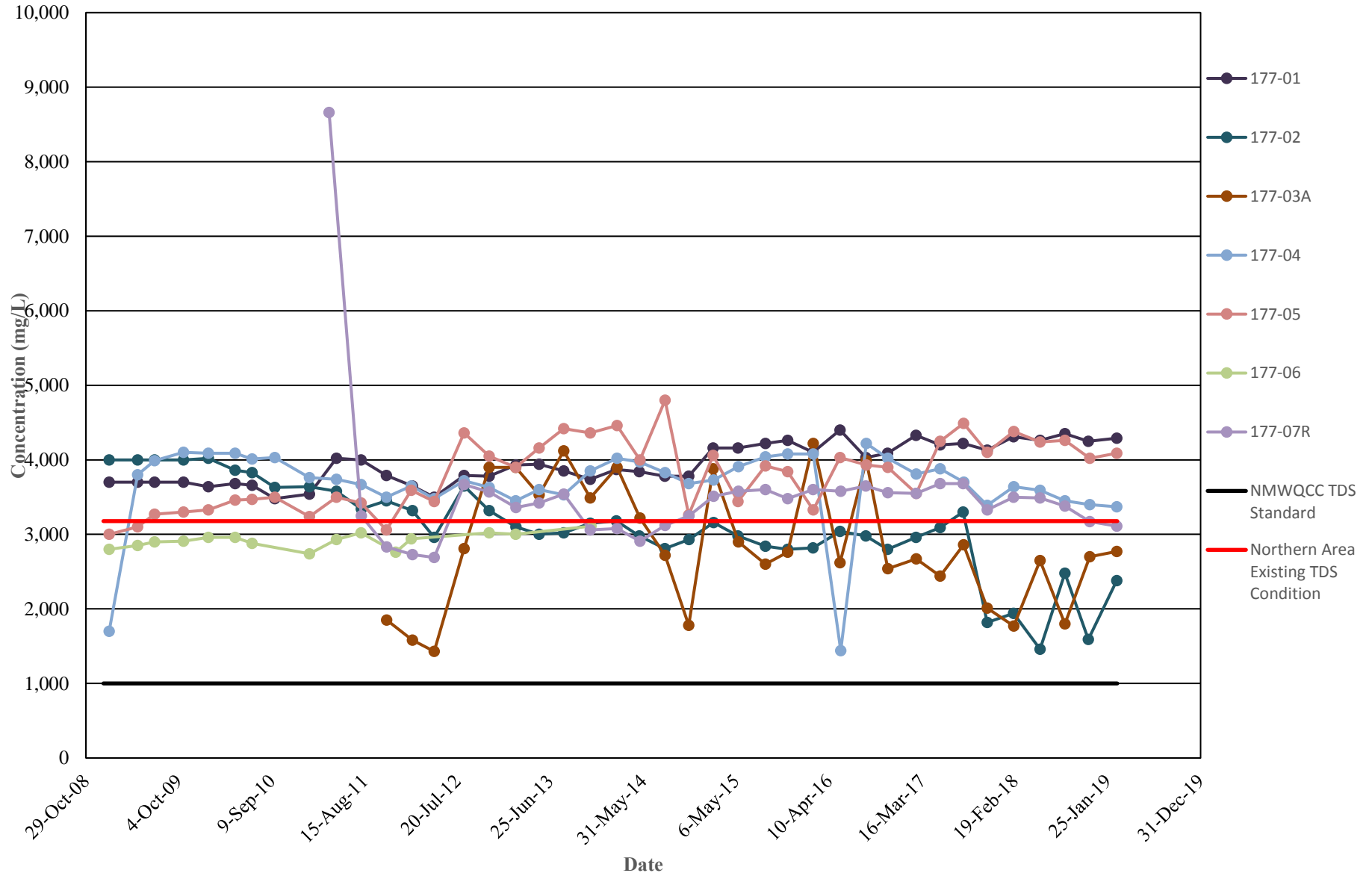


**TDS CONCENTRATION TRENDS  
DOMINGUEZ DISCHARGE PLAN MONITORING WELLS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



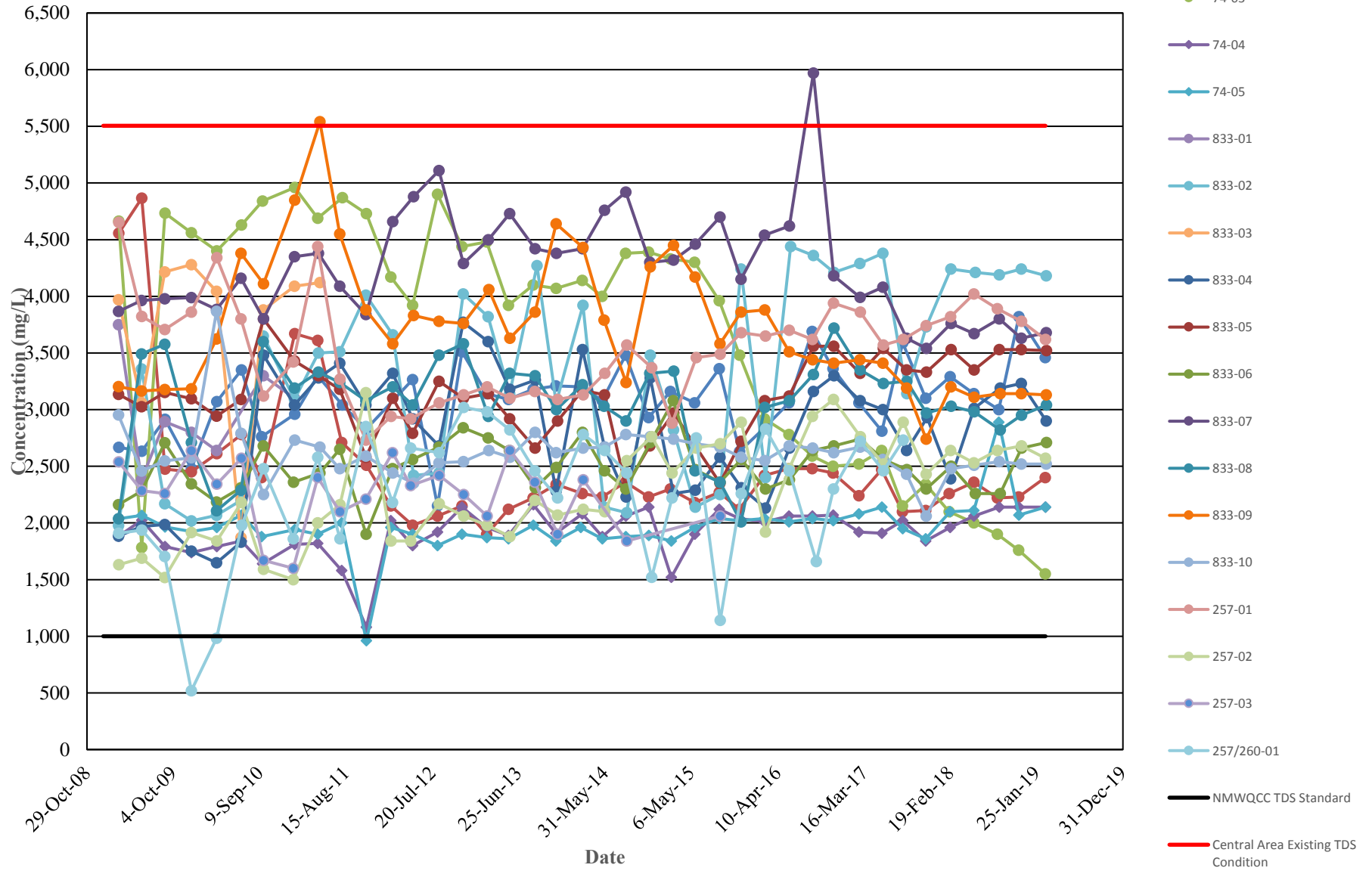


**TDS CONCENTRATION TRENDS  
GONZALEZ DISCHARGE PLAN MONITORING WELLS  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



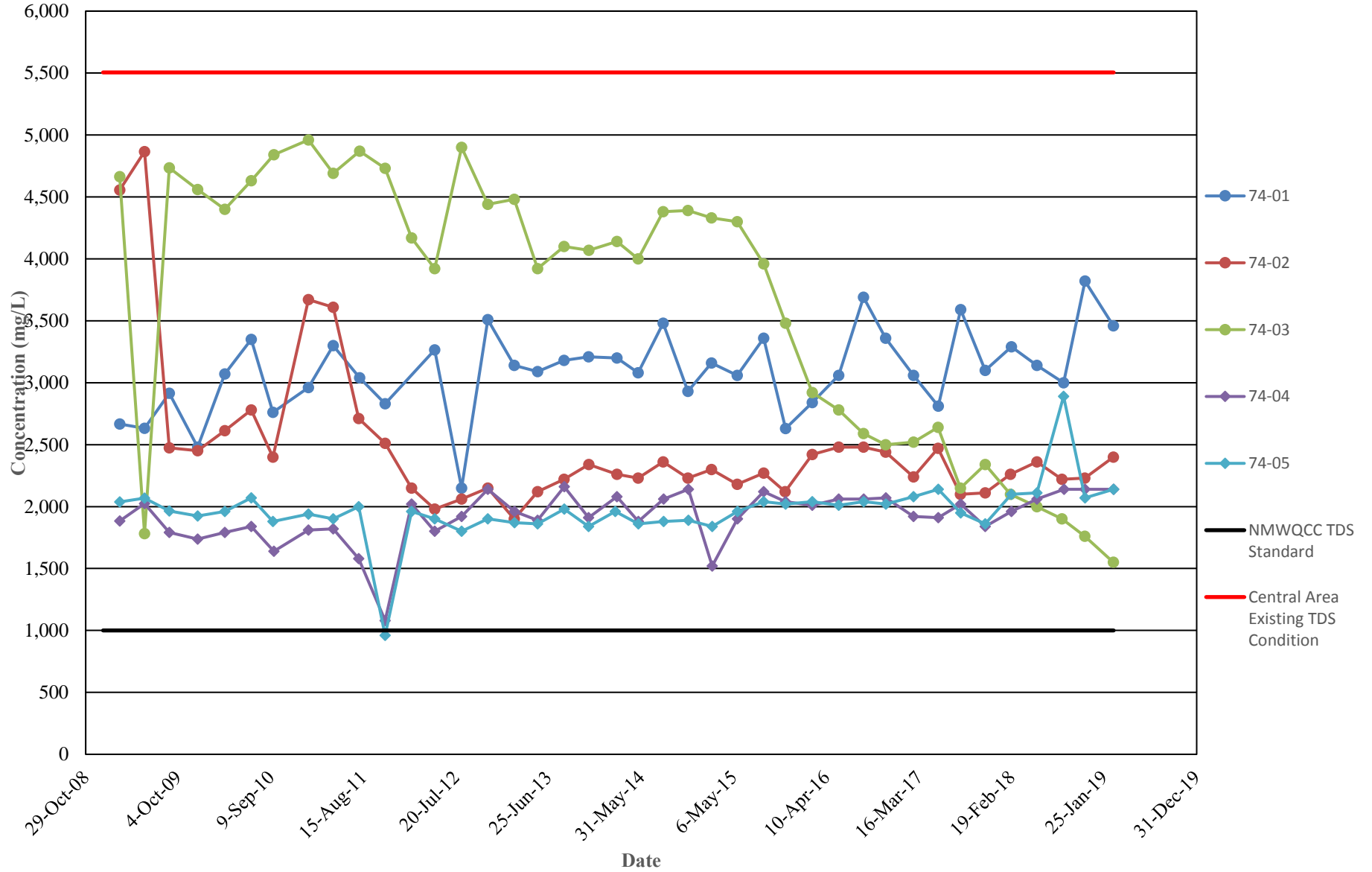


**TDS CONCENTRATION TRENDS**  
**ALL CENTRAL AREA DISCHARGE PLAN MONITORING WELLS**  
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



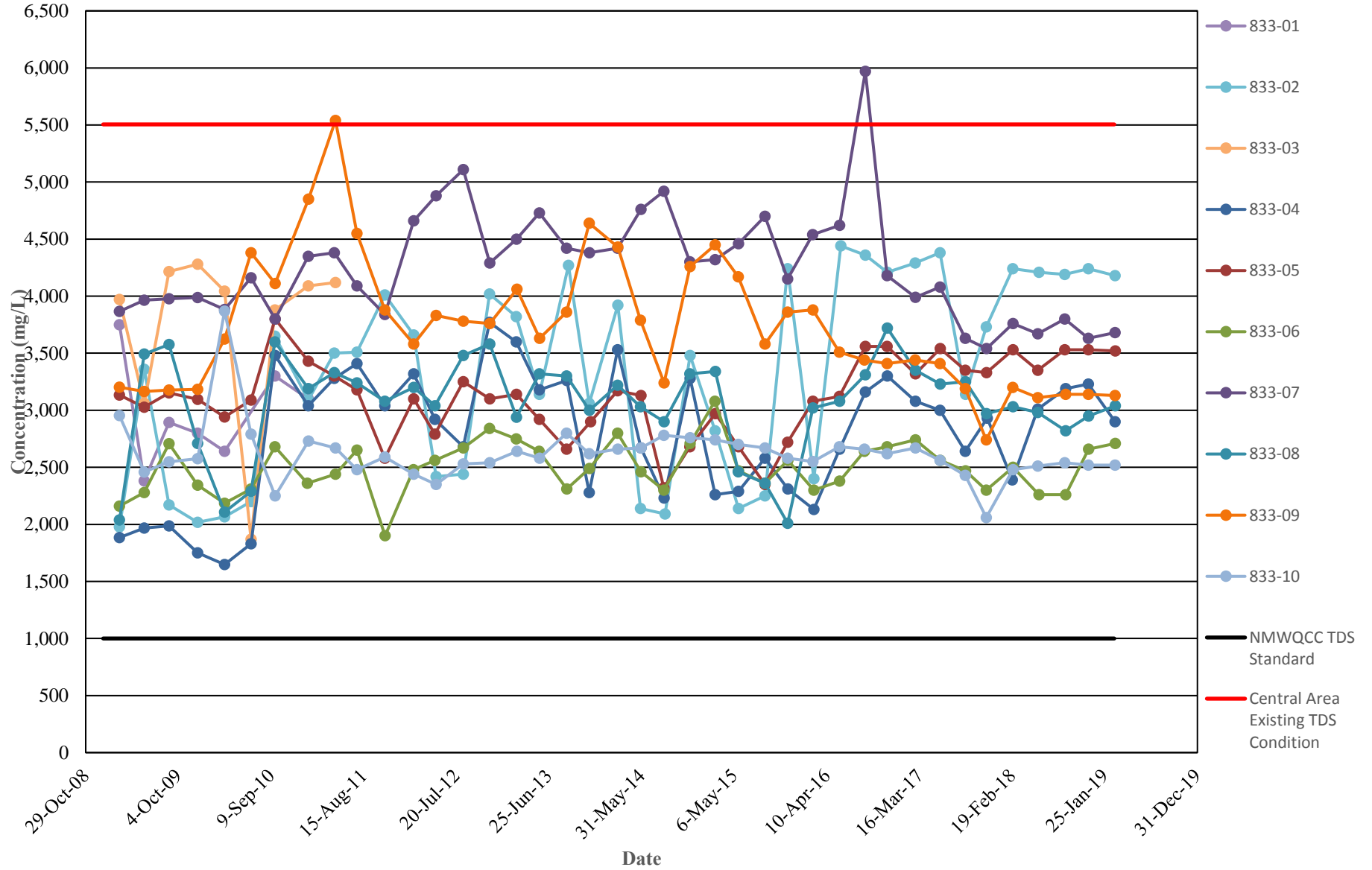


**TDS CONCENTRATION TRENDS**  
**BUENA VISTA DAIRY II DISCHARGE PLAN MONITORING WELLS**  
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



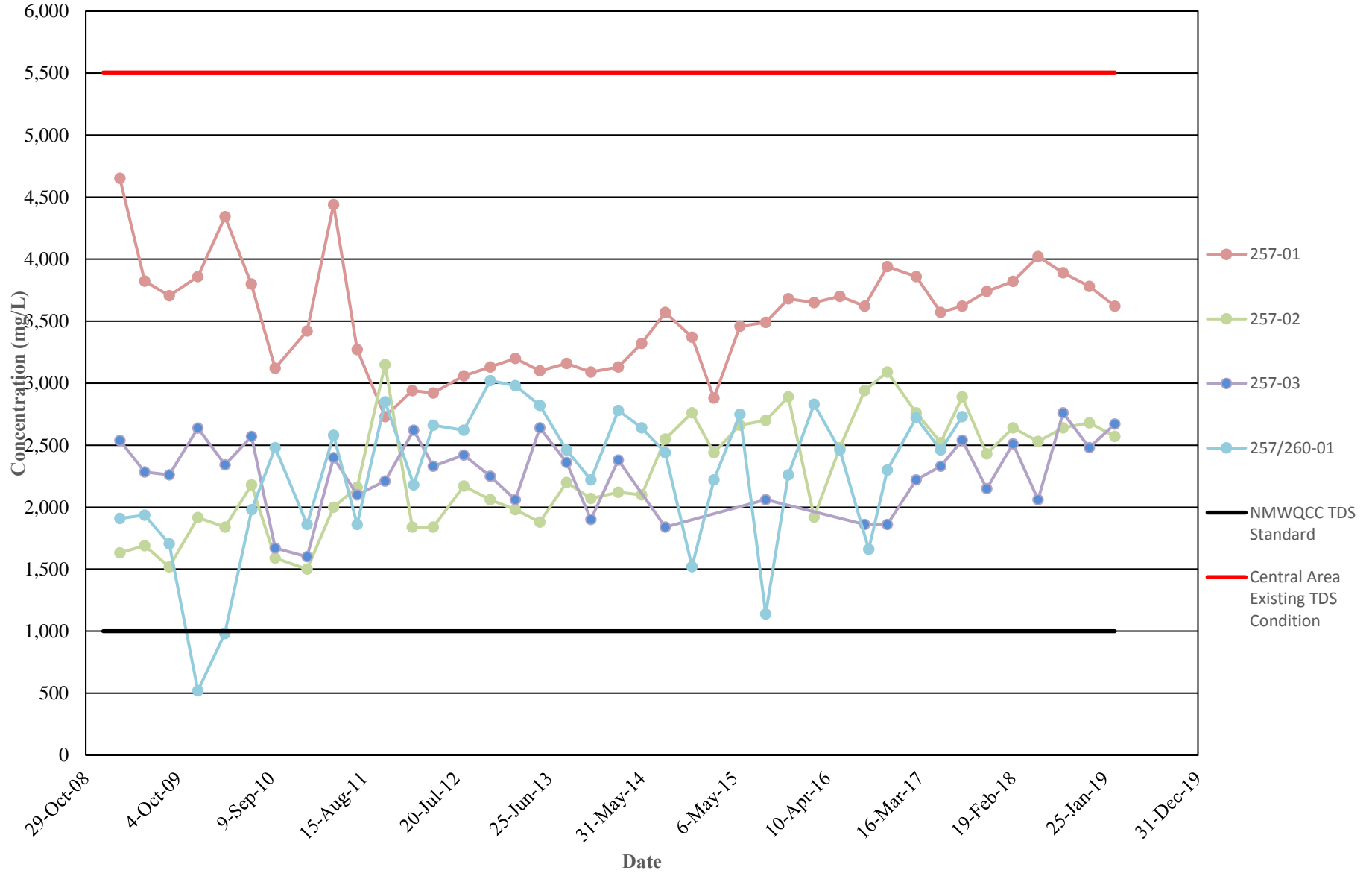


**TDS CONCENTRATION TRENDS**  
**BIG SKY DAIRY DISCHARGE PLAN MONITORING WELLS**  
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



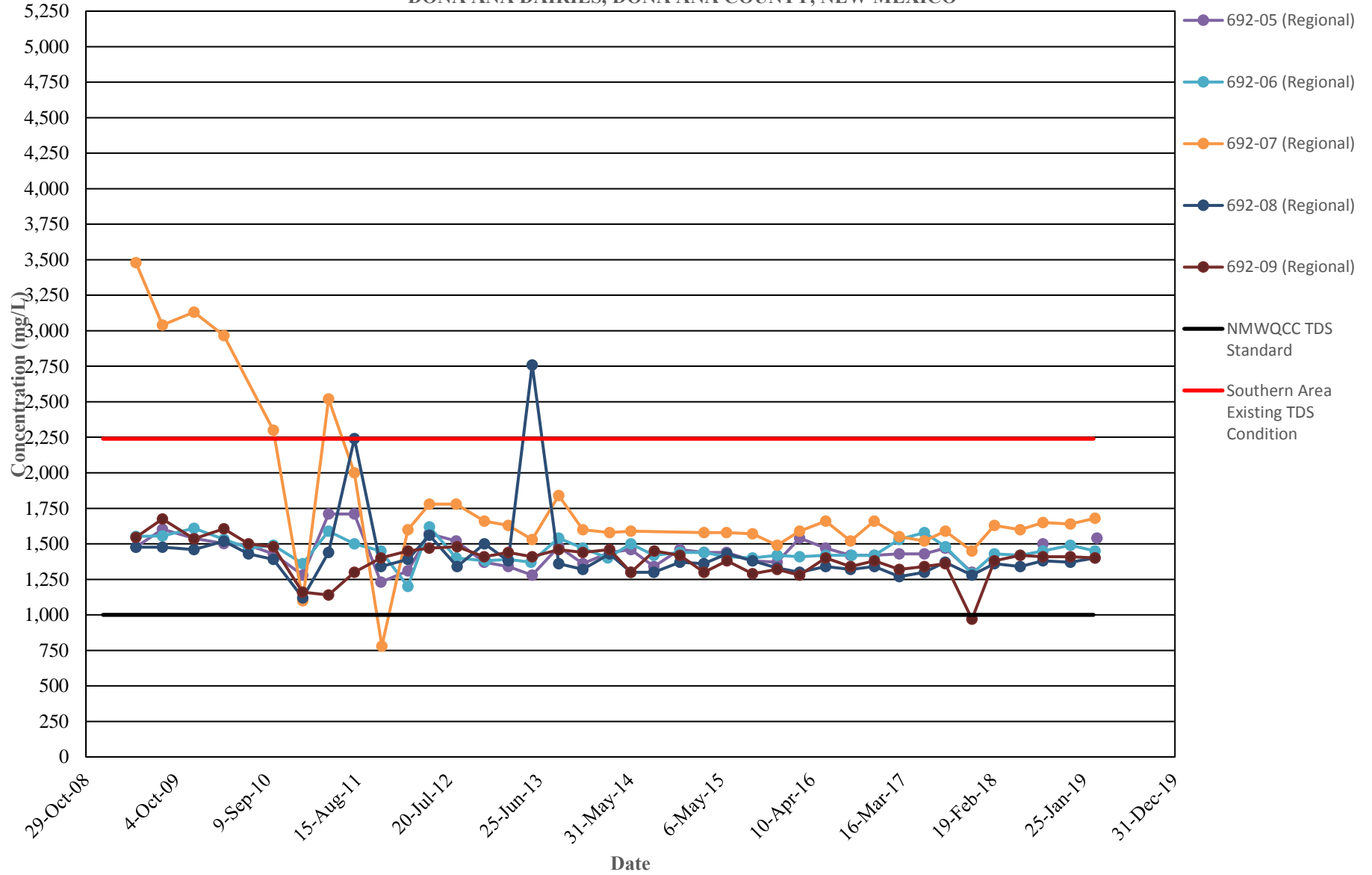


**TDS CONCENTRATION TRENDS**  
**SUNSET/DESERT LAND DAIRY DISCHARGE PLAN MONITORING WELLS**  
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



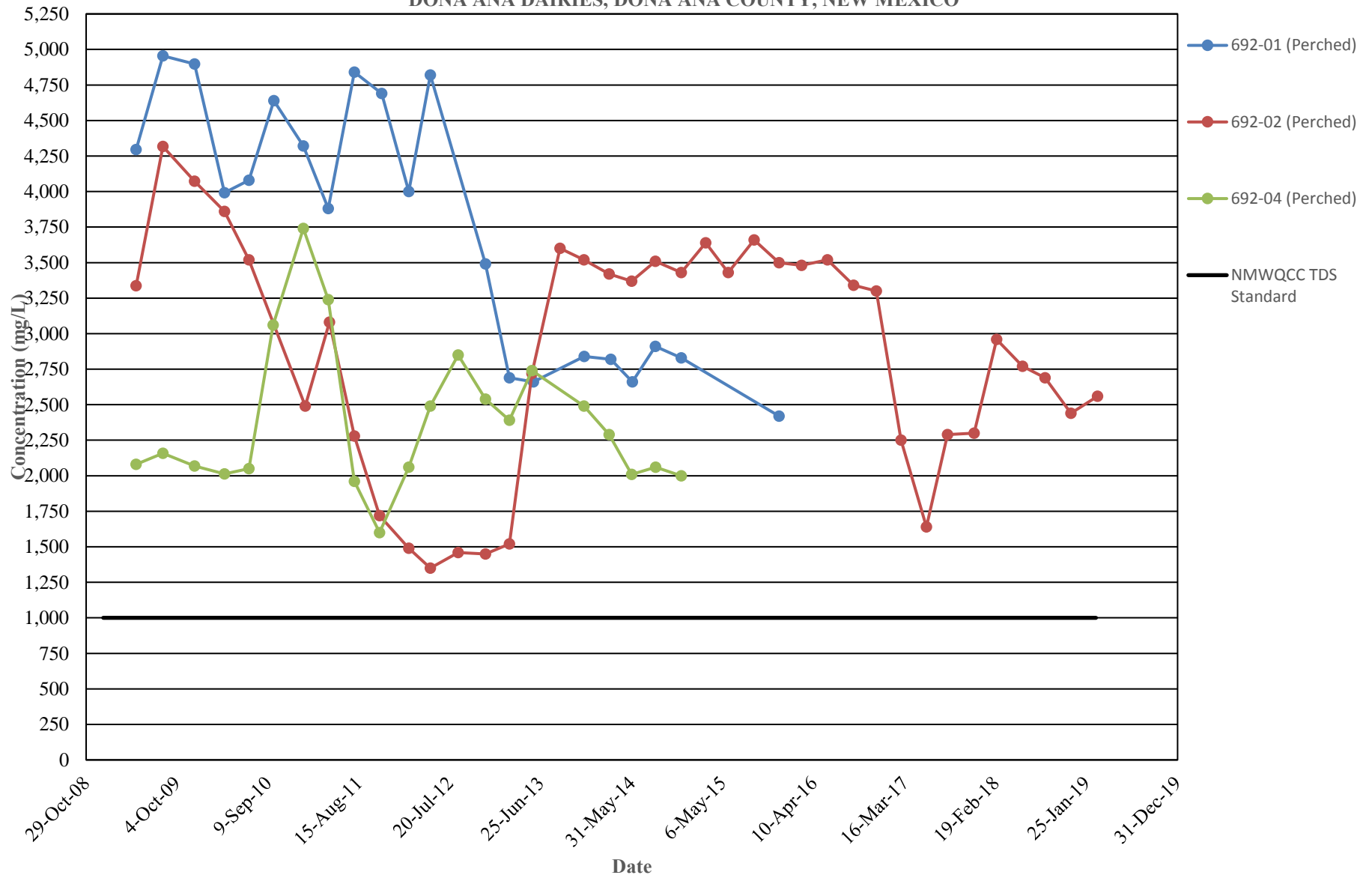


**TDS CONCENTRATION TRENDS  
SOUTHERN AREA (DEL ORO DAIRY) DISCHARGE PLAN MONITORING WELLS  
IN THE REGIONAL AQUIFER  
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**





**TDS CONCENTRATION TRENDS**  
**SOUTHERN AREA (DEL ORO DAIRY) DISCHARGE PLAN MONITORING WELLS**  
**IN THE PERCHED AQUIFER**  
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**





## **APPENDIX G**

### **STATISTICAL ANALYSIS SUMMARY**

**(Provided in Electronic Format via CD Located on Front Cover of Report)**



**APPENDIX H**  
**DECAY RATE CALCULATIONS**



## FIRST ORDER DECAY RATE CALCULATIONS

The 1<sup>st</sup> order decay rates for monitored natural attenuation were calculated using an excel spreadsheet developed by the Utah Leaking Underground Storage Tank (LUST) program, and is based on EPA's Ground Water Issue paper EPA/540/S-02/500, "Calculation and Use of First-Order Rate Constants for Monitored Natural Attenuation Studies," by Newell, Rifai, Wilson, Connor, Aziz and Suarez, November 2002. The approach is appropriate for any groundwater contaminant that attenuates.

EA entered nitrate concentrations in mg/L and the sampling dates as input. After entering the data, a scatter plot graph of the natural log (ln) of contaminant concentrations verses time is constructed. A linear regression trendline and the equations for y and R<sup>2</sup> are plotted, and the slope of the line represents the value for decay rate, k<sub>point</sub>.

The decay rate was used to calculate the half-life and estimated time to reach clean up using the following formulas:

### Half-Life

$$\text{Half-life} = -[\ln(0.5)] / k_{\text{point}}$$

### Time to Reach Cleanup Levels

$$t = -[\ln(C_{\text{CL}}/C_o)] / k_{\text{point}}$$

where:

t = Time to achieve cleanup levels, years

C<sub>CL</sub> = Cleanup level for contaminant of concern, mg/L

C<sub>o</sub> = Initial concentration of contaminant of concern, mg/L

k<sub>point</sub> = First-order decay rate constant at one monitoring point, years<sup>-1</sup>  
and slope of the line, y



## First-Order Decay Rate Calculation for Monitored Natural Attenuation

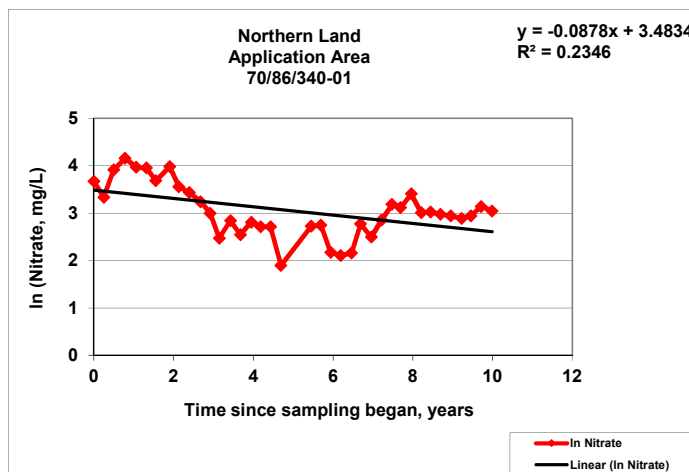
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Monitoring Well: Northern Land  
Application Area - 70/86/340-01

Location of well (source area, down-gradient, perimeter or cross-gradient, in ROI of cleanup system, other): Upgradient of the northern portion of Dona Ana Dairies

Sampling Date	Depth to Ground Water	Nitrate mg/L	In Nitrate mg/L	Elapsed time since 3/4/09 years
4-Mar-09		39.3	3.671	0.00
4-Jun-09		28	3.332	0.25
2-Sep-09		50	3.912	0.50
15-Dec-09		64	4.159	0.78
26-Mar-10		53	3.970	1.06
30-Jun-10		52	3.951	1.32
22-Sep-10		39.8	3.684	1.55
27-Jan-11		53.5	3.980	1.90
21-Apr-11		35.0	3.555	2.13
25-Jul-11		31.0	3.434	2.39
7-Nov-11		25.5	3.239	2.68
2-Feb-12		20.0	2.996	2.92
25-Apr-12		11.8	2.468	3.15
6-Aug-12		17.1	2.839	3.43
5-Nov-12		12.7	2.542	3.68
13-Feb-13		16.6	2.809	3.95
9-May-13		15.1	2.715	4.18
8-Aug-13		15.1	2.715	4.43
11-Nov-13		6.65	1.895	4.69
15-Aug-14		15.3	2.728	5.45
12-Nov-14		15.6	2.747	5.70
9-Feb-15		8.79	2.174	5.94
11-May-15		8.19	2.103	6.19
20-Aug-15		8.66	2.159	6.47
10-Nov-15		16.0	2.773	6.69
15-Feb-16		12.1	2.493	6.96
19-May-16		17.3	2.851	7.21
23-Aug-16		24.1	3.182	7.48
10-Nov-16		22.6	3.118	7.69
16-Feb-17		30.1	3.405	7.96
18-May-17		20.3	3.011	8.21
11-Aug-17		20.6	3.025	8.44
9-Nov-17		19.6	2.976	8.69
12-Feb-18		19	2.944	8.95
21-May-18		18	2.890	9.22
14-Aug-18		19	2.944	9.45
16-Nov-18		23	3.135	9.71
25-Feb-19		21	3.045	9.99
<b>NMWQCC</b>		<b>10</b>	<b>2.303</b>	



### Formula

$$t = -[\ln(C_{CL}/C_o)] / k_{point}$$

where:

t = Time to achieve cleanup levels, years

$C_{CL}$  = Cleanup level for contaminant of concern, mg/L

$C_o$  = Initial concentration of contaminant of concern, mg/L

$k_{point}$  = First-order decay rate constant at one monitoring point, years<sup>-1</sup>  
= slope of the line, y

### Solutions

#### 70/86/340-01, Nitrate

Enter  $C_{CL}$       ⇒                      10

Enter  $C_o$         ⇒                      39.3

Enter  $k_{point}$     ⇒                      0.0878

**Time to reach cleanup level                      15.6      years**



## First-Order Decay Rate Calculation for Monitored Natural Attenuation

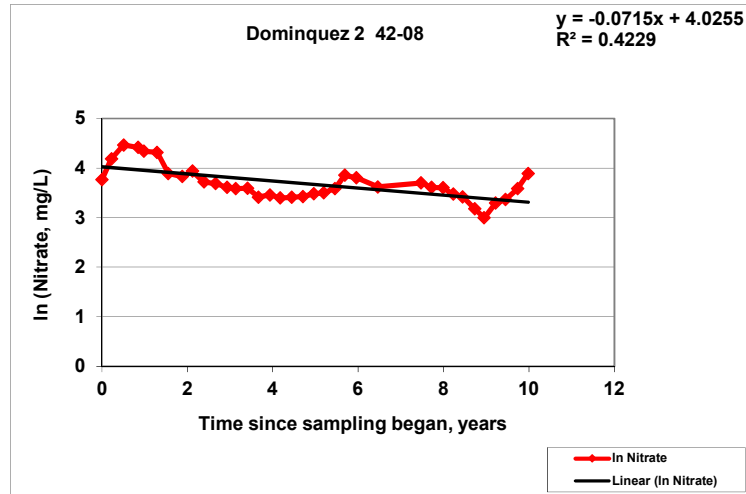
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Monitoring Well: Dominquez 2 Dairy - 42-08

Location of well (source area, down-gradient, perimeter or cross-gradient, in ROI of cleanup system, other): Cross-gradient to lagoon; Northern area.

Sampling Date	Depth to Ground Water	Nitrate mg/L	In Nitrate mg/L	Elapsed time since 3/14/09 years
14-Mar-09	22 to 26 feet below top of casing	43.2	3.766	0.00
3-Jun-09		65.8	4.187	0.22
15-Sep-09		87.1	4.467	0.51
16-Jan-10		82.8	4.416	0.84
6-Mar-10		76.8	4.341	0.98
27-Jun-10		75	4.317	1.29
1-Oct-10		49.0	3.892	1.55
28-Jan-11		46.2	3.833	1.88
25-Apr-11		51.4	3.940	2.12
2-Aug-11		41.3	3.721	2.39
9-Nov-11		40.0	3.689	2.66
16-Feb-12		37.0	3.611	2.93
1-May-12		36.0	3.584	3.13
8-Aug-12		36.4	3.595	3.41
9-Nov-12		30.4	3.414	3.66
15-Feb-13		31.8	3.459	3.93
14-May-13		29.9	3.398	4.17
20-Aug-13		30.3	3.411	4.44
26-Nov-13		30.8	3.428	4.71
26-Feb-14		32.6	3.484	4.96
21-May-14		33.1	3.500	5.19
26-Aug-14		36.1	3.586	5.45
18-Nov-14		47.3	3.857	5.68
26-Feb-15		44.9	3.804	5.96
26-Aug-15		37.4	3.622	6.45
31-Aug-16		40.6	3.704	7.47
28-Nov-16		37.0	3.611	7.72
6-Mar-17		36.8	3.605	7.98
2-Jun-17		32.3	3.475	8.22
22-Aug-17		30.6	3.421	8.45
2-Dec-17		24.0	3.178	8.73
21-Feb-18		20	2.996	8.95
29-May-18		27	3.296	9.21
22-Aug-18	29	3.367	9.45	
4-Dec-18	36	3.584	9.73	
6-Mar-19	49	3.892	9.98	
<b>NMWQCC</b>		<b>10</b>	<b>2.303</b>	



### Formula

$$t = -[\ln(C_{CL}/C_o)] / k_{point}$$

where:

t = Time to achieve cleanup levels, years

$C_{CL}$  = Cleanup level for contaminant of concern, mg/L

$C_o$  = Initial concentration of contaminant of concern, mg/L

$k_{point}$  = First-order decay rate constant at one monitoring point, years<sup>-1</sup>  
= slope of the line, y

### Solutions

#### 42-08, Nitrate

Enter  $C_{CL}$       ⇒                      10

Enter  $C_o$          ⇒                      43.2

Enter  $k_{point}$     ⇒                      0.0715

**Time to reach cleanup level                      20.5        years**



## First-Order Decay Rate Calculation for Monitored Natural Attenuation

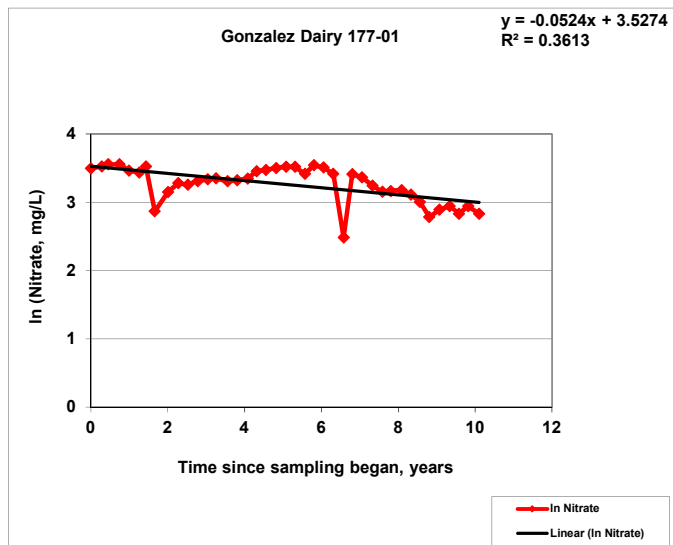
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Monitoring Well: Gonzalez Dairy 177-01

Location of well (source area, down-gradient, perimeter or cross-gradient, in ROI of cleanup system, other):  
Northern boundary of Gonzalez Dairy; Northern area.

Sampling Date	Depth To Water	Nitrate mg/L	In Nitrate mg/L	Elapsed time since 1/22/09 years
22-Jan-09	20 to 24 feet below top of casing	33	3.497	0.00
6-May-09		34	3.526	0.28
7-Jul-09		35	3.555	0.45
21-Oct-09		35	3.555	0.75
20-Jan-10		32	3.466	0.99
28-Apr-10		31	3.434	1.26
29-Jun-10		34	3.526	1.43
20-Sep-10		17.6	2.868	1.66
25-Jan-11		23.3	3.148	2.01
4-May-11		26.6	3.281	2.28
2-Aug-11		26.0	3.258	2.53
3-Nov-11		27.4	3.311	2.78
6-Feb-12		28.1	3.336	3.04
26-Apr-12		28.5	3.350	3.26
13-Aug-12		27.3	3.307	3.56
13-Nov-12		27.7	3.321	3.81
19-Feb-13		28.4	3.346	4.08
15-May-13		31.6	3.453	4.31
13-Aug-13		32.2	3.472	4.56
18-Nov-13		33.2	3.503	4.82
21-Feb-14		33.7	3.517	5.08
16-May-14		33.8	3.520	5.32
18-Aug-14		30.5	3.418	5.57
13-Nov-14		34.6	3.544	5.81
11-Feb-15		33.5	3.512	6.06
13-May-15		30.4	3.414	6.31
21-Aug-15		12.0	2.485	6.58
11-Nov-15		30.3	3.411	6.81
11-Feb-16		28.9	3.364	7.06
20-May-16		25.6	3.243	7.33
23-Aug-16		23.4	3.153	7.59
10-Nov-16		23.7	3.165	7.81
22-Feb-17	24.0	3.178	8.09	
22-May-17	22.5	3.114	8.33	
14-Aug-17	20.2	3.006	8.56	
10-Nov-17	16.2	2.785	8.81	
14-Feb-18	18	2.890	9.07	
22-May-18	19	2.944	9.33	
21-Aug-18	17	2.833	9.58	
15-Nov-18	19	2.944	9.82	
27-Feb-19	17	2.833	10.10	
NMWQCC		10	2.303	



### Formula

$$t = -[\ln(C_{CL}/C_o)] / k_{point}$$

where:

t = Time to achieve cleanup levels, years

C<sub>CL</sub> = Cleanup level for contaminant of concern, mg/L

C<sub>o</sub> = Initial concentration of contaminant of concern, mg/L

k<sub>point</sub> = First-order decay rate constant at one monitoring point, years<sup>-1</sup>

= slope of the line, y

### Solutions

#### 177-01, Nitrate

Enter C <sub>CL</sub>	⇒	10
Enter C <sub>o</sub>	⇒	33
Enter k <sub>point</sub>	⇒	0.0524
<b>Time to reach cleanup level</b>		<b>22.8 years</b>



## First-Order Decay Rate Calculation for Monitored Natural Attenuation

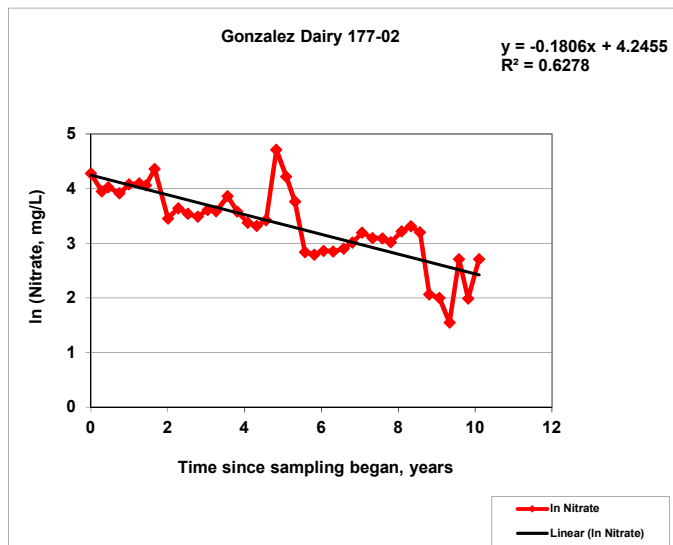
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Monitoring Well: Gonzalez Dairy 177-02

Location of well (source area, down-gradient, perimeter or cross-gradient, in ROI of cleanup system, other):  
Upgradient of lagoon; Northern area.

Sampling Date	Depth To Water	Nitrate mg/L	In Nitrate mg/L	Elapsed time since 1/22/09 years
22-Jan-09		72	4.277	0.00
6-May-09		52	3.951	0.28
7-Jul-09		56	4.025	0.45
21-Oct-09		50	3.912	0.75
20-Jan-10		59	4.078	0.99
28-Apr-10		60	4.094	1.26
29-Jun-10		58	4.060	1.43
20-Sep-10		78.0	4.357	1.66
25-Jan-11	20 to 24 feet below top of casing	31.6	3.453	2.01
4-May-11		38.1	3.640	2.28
3-Aug-11		34.4	3.538	2.53
3-Nov-11		32.7	3.487	2.78
6-Feb-12		37.0	3.611	3.04
26-Apr-12		36.0	3.584	3.26
13-Aug-12		47.4	3.859	3.56
13-Nov-12		35.8	3.578	3.81
19-Feb-13		29.3	3.378	4.08
15-May-13		27.6	3.318	4.31
13-Aug-13		30.7	3.424	4.56
18-Nov-13		111	4.710	4.82
21-Feb-14		67.9	4.218	5.08
16-May-14		43.0	3.761	5.32
18-Aug-14		17.1	2.839	5.57
14-Nov-14		16.3	2.791	5.81
12-Feb-15		17.5	2.862	6.06
13-May-15		17.3	2.851	6.31
21-Aug-15		18.2	2.901	6.58
11-Nov-15		20.3	3.011	6.81
11-Feb-16	24.4	3.195	7.06	
20-May-16	22.1	3.096	7.33	
23-Aug-16	21.9	3.086	7.59	
10-Nov-16	20.4	3.016	7.81	
22-Feb-17	25.0	3.219	8.09	
22-May-17	27.4	3.311	8.33	
14-Aug-17	24.5	3.199	8.56	
10-Nov-17	7.89	2.066	8.81	
14-Feb-18	7.4	2.001	9.07	
22-May-18	4.7	1.548	9.33	
21-Aug-18	15	2.708	9.58	
15-Nov-18	7.3	1.988	9.82	
27-Feb-19	15	2.708	10.10	
<b>NMWQCC</b>		<b>10</b>	<b>2.303</b>	



### Formula

$$t = -[\ln(C_{CL}/C_o)] / k_{point}$$

where:

t = Time to achieve cleanup levels, years

$C_{CL}$  = Cleanup level for contaminant of concern, mg/L

$C_o$  = Initial concentration of contaminant of concern, mg/L

$k_{point}$  = First-order decay rate constant at one monitoring point, years<sup>-1</sup>

= slope of the line, y

### Solutions

#### 177-02, Nitrate

Enter $C_{CL}$	⇒	10
Enter $C_o$	⇒	72
Enter $k_{point}$	⇒	0.1806
<b>Time to reach cleanup level</b>		<b>10.9 years</b>



## First-Order Decay Rate Calculation for Monitored Natural Attenuation

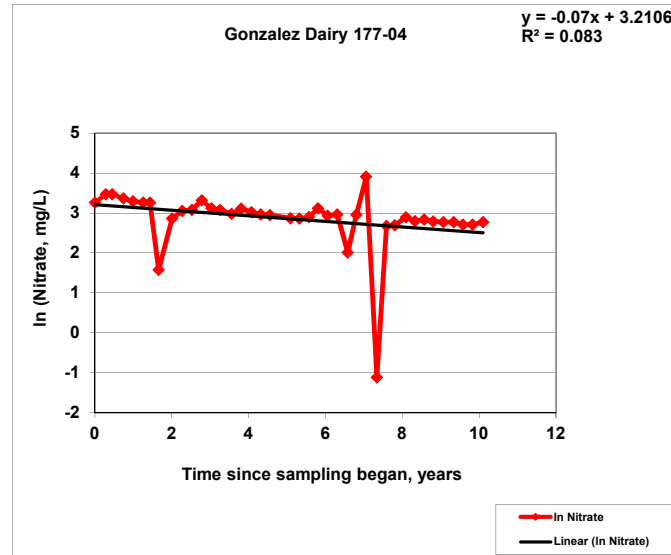
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Monitoring Well: Gonzalez Dairy 177-04

Location of well (source area, down-gradient, perimeter or cross-gradient, in ROI of cleanup system, other):  
Downgradient of lagoon - synthetically lined in 2007; Northern area.

Sampling Date	Depth To Water	Nitrate mg/L	In Nitrate mg/L	Elapsed time since 1/22/09 years
22-Jan-09	20 to 24 feet below top of casing	26	3.258	0.00
6-May-09		32	3.466	0.28
7-Jul-09		32	3.466	0.45
21-Oct-09		29	3.367	0.75
20-Jan-10		27	3.296	0.99
28-Apr-10		26	3.258	1.26
29-Jun-10		26	3.258	1.43
20-Sep-10		4.8	1.575	1.66
25-Jan-11		17.5	2.862	2.01
4-May-11		21.2	3.054	2.28
2-Aug-11		21.6	3.073	2.53
3-Nov-11		27.5	3.314	2.78
2-Feb-12		22.5	3.114	3.03
26-Apr-12		21.7	3.077	3.26
13-Aug-12		19.7	2.981	3.56
13-Nov-12		22.3	3.105	3.81
18-Feb-13		20.5	3.020	4.08
15-May-13		19.4	2.965	4.31
13-Aug-13		19.1	2.950	4.56
24-Feb-14		17.6	2.868	5.09
19-May-14		17.5	2.862	5.32
19-Aug-14		18.2	2.901	5.58
13-Nov-14		22.5	3.114	5.81
12-Feb-15		18.7	2.929	6.06
14-May-15		19.4	2.965	6.31
21-Aug-15		7.50	2.015	6.58
11-Nov-15		19.3	2.960	6.81
12-Feb-16		49.8	3.908	7.06
23-May-16		0.329	-1.112	7.34
24-Aug-16		14.5	2.674	7.59
11-Nov-16	14.8	2.695	7.81	
23-Feb-17	18.0	2.890	8.09	
22-May-17	16.4	2.797	8.33	
16-Aug-17	17.0	2.833	8.57	
10-Nov-17	16.2	2.785	8.81	
15-Feb-18	16	2.773	9.07	
22-May-18	16	2.773	9.33	
21-Aug-18	15	2.708	9.58	
20-Nov-18	15	2.708	9.83	
27-Feb-19	16	2.773	10.10	
<b>NMWQCC</b>		<b>10</b>	<b>2.303</b>	



### Formula

$$t = -[\ln(C_{CL}/C_o)] / k_{point}$$

where:

t = Time to achieve cleanup levels, years

C<sub>CL</sub> = Cleanup level for contaminant of concern, mg/L

C<sub>o</sub> = Initial concentration of contaminant of concern, mg/L

k<sub>point</sub> = First-order decay rate constant at one monitoring point, years<sup>-1</sup>  
= slope of the line, y

### Solutions

**177-04, Nitrate**

Enter C <sub>CL</sub>	⇒	10
Enter C <sub>o</sub>	⇒	26
Enter k <sub>point</sub>	⇒	0.07
<b>Time to reach cleanup level</b>		<b>13.7 years</b>



## First-Order Decay Rate Calculation for Monitored Natural Attenuation

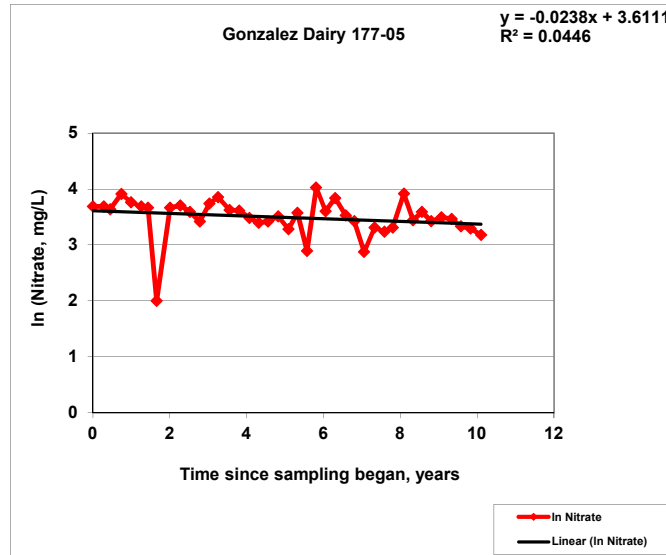
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Monitoring Well: Gonzalez Dairy 177-05

Location of well (source area, down-gradient, perimeter or cross-gradient, in ROI of cleanup system, other):  
Northern boundary of Gonzalez Dairy; Northern area.

Sampling Date	Depth To Water	Nitrate mg/L	In Nitrate mg/L	Elapsed time since 1/22/09 years
22-Jan-09	20 to 24 feet below top of casing	40	3.689	0.00
6-May-09		40	3.689	0.28
7-Jul-09		38	3.638	0.45
21-Oct-09		50	3.912	0.75
20-Jan-10		43	3.761	0.99
28-Apr-10		40	3.689	1.26
29-Jun-10		39	3.664	1.43
20-Sep-10		7.39	2.000	1.66
25-Jan-11		39.2	3.669	2.01
4-May-11		40.6	3.704	2.28
2-Aug-11		36.3	3.592	2.53
3-Nov-11		30.6	3.421	2.78
2-Feb-12		42.2	3.742	3.03
26-Apr-12		47.1	3.852	3.26
13-Aug-12		37.6	3.627	3.56
13-Nov-12		37.1	3.614	3.81
18-Feb-13		32.6	3.484	4.08
15-May-13		29.8	3.395	4.31
13-Aug-13		30.5	3.418	4.56
18-Nov-13		33.5	3.512	4.82
24-Feb-14		26.6	3.281	5.09
19-May-14		35.7	3.575	5.32
19-Aug-14		18.1	2.896	5.58
13-Nov-14		56.1	4.027	5.81
11-Feb-15		36.8	3.605	6.06
13-May-15		46.5	3.839	6.31
21-Aug-15		34.0	3.526	6.58
11-Nov-15		30.8	3.428	6.81
12-Feb-16		17.8	2.879	7.06
20-May-16		27.4	3.311	7.33
24-Aug-16	25.4	3.235	7.59	
11-Nov-16	27.4	3.311	7.81	
23-Feb-17	50.2	3.916	8.09	
22-May-17	31.2	3.440	8.33	
15-Aug-17	36.2	3.589	8.57	
10-Nov-17	30.8	3.428	8.81	
15-Feb-18	33	3.497	9.07	
22-May-18	32	3.466	9.33	
21-Aug-18	28	3.332	9.58	
20-Nov-18	27	3.296	9.83	
27-Feb-19	24	3.178	10.10	
<b>NMWQCC</b>		<b>10</b>	<b>2.303</b>	



### Formula

$$t = -[\ln(C_{CL}/C_o)] / k_{point}$$

where:

t = Time to achieve cleanup levels, years

C<sub>CL</sub> = Cleanup level for contaminant of concern, mg/L

C<sub>o</sub> = Initial concentration of contaminant of concern, mg/L

k<sub>point</sub> = First-order decay rate constant at one monitoring point, years<sup>-1</sup>

= slope of the line, y

### Solutions

#### 177-05, Nitrate

Enter C <sub>CL</sub>	⇒	10
Enter C <sub>o</sub>	⇒	40
Enter k <sub>point</sub>	⇒	0.0238
<b>Time to reach cleanup level</b>		<b>58.2 years</b>



## First-Order Decay Rate Calculation for Monitored Natural Attenuation

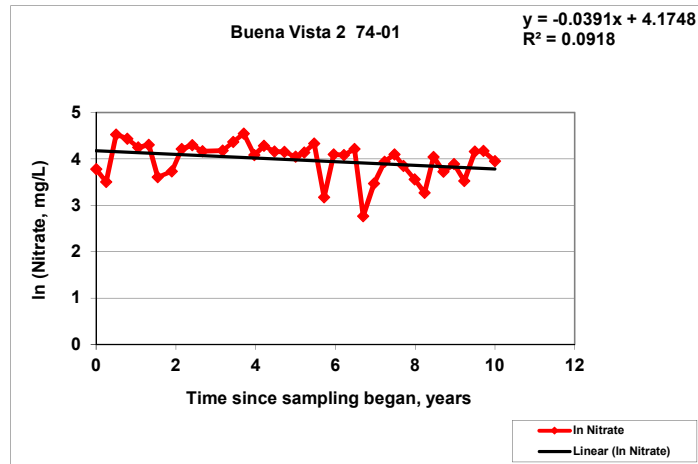
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Monitoring Well: Buena Vista 2 - 74-01

Location of well (source area, down-gradient, perimeter or cross-gradient, in ROI of cleanup system, other): Down-gradient of lagoon; Central area.

Sampling Date	Depth to Ground Water	Nitrate mg/L	In Nitrate mg/L	Elapsed time since 3/3/09 years
3-Mar-09	22 to 26 feet below top of casing	43.8	3.780	0.00
2-Jun-09		33.2	3.503	0.25
1-Sep-09		92	4.522	0.50
14-Dec-09		84	4.431	0.78
24-Mar-10		70	4.248	1.06
29-Jun-10		74	4.304	1.32
17-Sep-10		36.7	3.603	1.54
25-Jan-11		41.7	3.731	1.90
26-Apr-11		67.8	4.217	2.15
1-Aug-11		73.2	4.293	2.41
3-Nov-11		64.6	4.168	2.67
3-May-12		65.3	4.179	3.17
10-Aug-12		78.6	4.364	3.44
14-Nov-12		94.2	4.545	3.70
19-Feb-13		59.1	4.079	3.97
16-May-13		72.3	4.281	4.21
21-Aug-13		63.9	4.157	4.47
19-Nov-13		63.6	4.153	4.72
3-Mar-14		57.2	4.047	5.00
20-May-14		62.6	4.137	5.22
20-Aug-14		76.2	4.333	5.47
19-Nov-14		23.9	3.174	5.72
13-Feb-15		59.9	4.093	5.95
19-May-15		59.2	4.081	6.21
24-Aug-15		67.4	4.211	6.48
12-Nov-15		15.9	2.766	6.70
18-Feb-16		32.1	3.469	6.97
25-May-16		51.1	3.934	7.23
24-Aug-16		60.2	4.098	7.48
14-Nov-16		46.8	3.846	7.71
24-Feb-17	35.2	3.561	7.99	
26-May-17	26.2	3.266	8.24	
16-Aug-17	56.7	4.038	8.46	
14-Nov-17	41.5	3.726	8.71	
19-Feb-18	49	3.892	8.97	
23-May-18	34	3.526	9.23	
29-Aug-18	64	4.159	9.50	
16-Nov-18	65	4.174	9.71	
28-Feb-19	52	3.951	10.00	
<b>NMWQCC</b>		<b>10</b>	<b>2.303</b>	



### Formula

$$t = -[\ln(C_{CL}/C_o)] / k_{point}$$

where:

t = Time to achieve cleanup levels, years

C<sub>CL</sub> = Cleanup level for contaminant of concern, mg/L

C<sub>o</sub> = Initial concentration of contaminant of concern, mg/L

k<sub>point</sub> = First-order decay rate constant at one monitoring point, years<sup>-1</sup>  
= slope of the line, y

### Solutions

74-01, Nitrate		
Enter C <sub>CL</sub>	⇒	10
Enter C <sub>o</sub>	⇒	43.8
Enter k <sub>point</sub>	⇒	0.0391
<b>Time to reach cleanup level</b>		<b>37.8 years</b>



## First-Order Decay Rate Calculation for Monitored Natural Attenuation

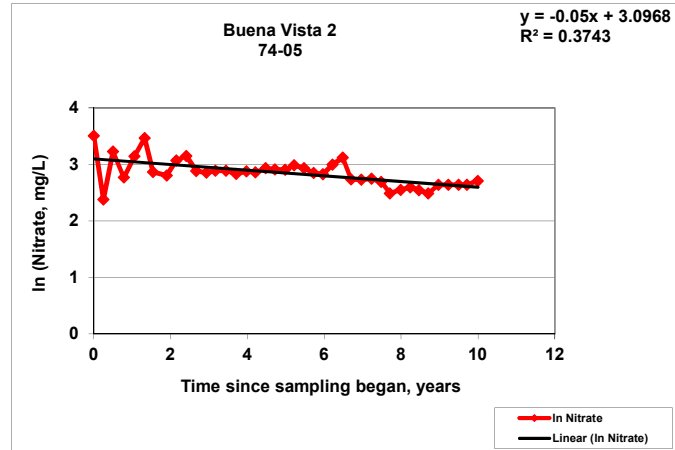
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Monitoring Well: Buena Vista 2 - 74-05

Location of well (source area, down-gradient, perimeter or cross-gradient, in ROI of cleanup system, other):  
Downgradient of lagoon; Central area.

Sampling Date	Depth to Ground Water	Nitrate mg/L	In Nitrate mg/L	Elapsed time since 3/3/09 years
3-Mar-09	22 to 26 feet below top of casing	33.2	3.503	0.00
2-Jun-09		10.8	2.380	0.25
1-Sep-09		25.2	3.227	0.50
14-Dec-09		15.9	2.766	0.78
24-Mar-10		23.2	3.144	1.06
29-Jun-10		32	3.466	1.32
17-Sep-10		17.6	2.868	1.54
25-Jan-11		16.5	2.803	1.90
26-Apr-11		21.5	3.068	2.15
29-Jul-11		23.3	3.148	2.41
3-Nov-11		17.9	2.885	2.67
8-Feb-12		17.4	2.856	2.94
3-May-12		18.0	2.890	3.17
10-Aug-12		18.0	2.890	3.44
14-Nov-12		17.0	2.833	3.70
20-Feb-13		17.8	2.879	3.97
16-May-13		17.5	2.862	4.21
22-Aug-13		18.8	2.934	4.47
19-Nov-13		18.4	2.912	4.72
25-Feb-14		18.3	2.907	4.99
21-May-14		19.8	2.986	5.22
21-Aug-14		18.8	2.934	5.47
20-Nov-14		17.3	2.851	5.72
16-Feb-15		16.9	2.827	5.96
20-May-15		20.0	2.996	6.22
24-Aug-15		22.7	3.122	6.48
12-Nov-15		15.4	2.734	6.70
18-Feb-16		15.3	2.728	6.97
25-May-16		15.6	2.747	7.23
25-Aug-16		14.7	2.688	7.48
15-Nov-16		12.0	2.485	7.71
24-Feb-17		12.8	2.549	7.99
26-May-17		13.4	2.595	8.24
16-Aug-17		12.7	2.542	8.46
14-Nov-17	12.0	2.485	8.71	
19-Feb-18	14	2.639	8.97	
23-May-18	14	2.639	9.23	
29-Aug-18	14	2.639	9.50	
16-Nov-18	14	2.639	9.71	
1-Mar-19	15	2.708	10.00	
<b>NMWWQCC</b>		<b>10</b>	<b>2.303</b>	



### Formula

$$t = -[\ln(C_{CL}/C_o)] / k_{point}$$

where:

t = Time to achieve cleanup levels, years

$C_{CL}$  = Cleanup level for contaminant of concern, mg/L

$C_o$  = Initial concentration of contaminant of concern, mg/L

$k_{point}$  = First-order decay rate constant at one monitoring point, years<sup>-1</sup>

= slope of the line, y

### Solutions

74-05, Nitrate		
Enter $C_{CL}$	⇒	10
Enter $C_o$	⇒	33.2
Enter $k_{point}$	⇒	0.05
<b>Time to reach cleanup level</b>		<b>24.0 years</b>



## First-Order Decay Rate Calculation for Monitored Natural Attenuation

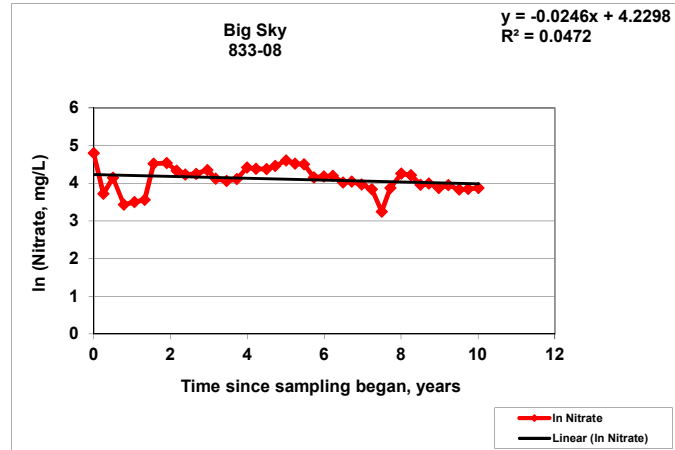
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Monitoring Well - Big Sky Dairy - 833-08

Location of well (source area, down-gradient, perimeter or cross-gradient, in ROI of cleanup system, other):  
Downgradient of lagoon; Central area.

Sampling Date	Depth to Ground Water	Nitrate mg/L	In Nitrate mg/L	Elapsed time since 3/2/09 years
2-Mar-09	22 to 26 feet below top of casing	121	4.796	0.00
1-Jun-09		41.4	3.723	0.25
31-Aug-09		63	4.143	0.50
14-Dec-09		31	3.434	0.79
23-Mar-10		33	3.497	1.06
28-Jun-10		35	3.555	1.32
23-Sep-10		91.8	4.520	1.56
24-Jan-11		93.4	4.537	1.90
29-Apr-11		75.9	4.329	2.16
21-Jul-11		68.8	4.231	2.39
1-Nov-11		69.8	4.246	2.67
15-Feb-12		77.6	4.352	2.96
3-May-12		61.4	4.117	3.17
15-Aug-12		57.8	4.057	3.46
20-Nov-12		60.8	4.108	3.72
26-Feb-13		83.1	4.420	3.99
21-May-13		80.2	4.385	4.22
29-Aug-13		79.6	4.377	4.50
21-Nov-13		86.3	4.458	4.73
4-Mar-14		100	4.605	5.01
27-May-14		91.5	4.516	5.24
22-Aug-14		90.2	4.502	5.48
24-Nov-14		63.7	4.154	5.73
26-Feb-15		65.1	4.176	5.99
21-May-15		66.4	4.196	6.22
27-Aug-15		55.7	4.020	6.49
18-Nov-15		56.9	4.041	6.72
19-Feb-16		52.9	3.968	6.97
27-May-16		46.5	3.839	7.24
29-Aug-16		25.6	3.243	7.50
18-Nov-16		48.3	3.877	7.72
1-Mar-17		70.3	4.253	8.00
31-May-17	67.6	4.214	8.25	
1-Sep-17	52.3	3.957	8.51	
17-Nov-17	54.3	3.995	8.72	
22-Feb-18	48	3.871	8.98	
24-May-18	52	3.951	9.23	
4-Sep-18	46	3.829	9.52	
27-Nov-18	47	3.850	9.75	
5-Mar-19	48	3.871	10.01	
<b>NMWWQCC</b>		<b>10</b>	<b>2.303</b>	



### Formula

$$t = -[\ln(C_{CL}/C_o)] / k_{point}$$

where:

t = Time to achieve cleanup levels, years

$C_{CL}$  = Cleanup level for contaminant of concern, mg/L

$C_o$  = Initial concentration of contaminant of concern, mg/L

$k_{point}$  = First-order decay rate constant at one monitoring point, years<sup>-1</sup>

= slope of the line, y

### Solutions

833-08, Nitrate		
Enter $C_{CL}$	⇒	10
Enter $C_o$	⇒	121
Enter $k_{point}$	⇒	0.0246
<b>Time to reach cleanup level</b>		<b>101.3 years</b>



## First-Order Decay Rate Calculation for Monitored Natural Attenuation

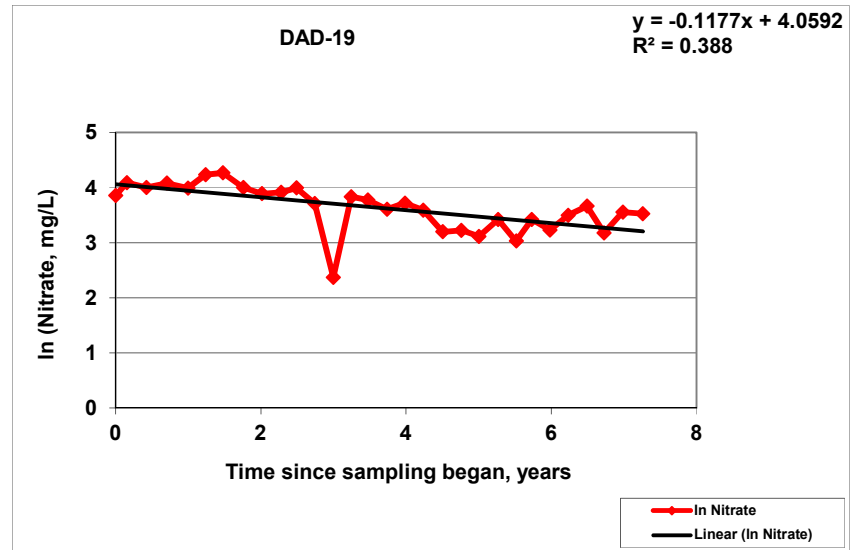
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Abatement Plan Well DAD-19

Location of well (source area, down-gradient, perimeter or cross-gradient, in ROI of cleanup system, other):  
Downgradient of lagoon, vertical delineation well; Central area.

Sampling Date	Depth to Ground Water	Nitrate mg/L	In Nitrate mg/L	Elapsed time since 12/7/11 years
7-Dec-11	22 to 26 feet below top of casing	47.4	3.859	0.00
1-Feb-12		59.8	4.091	0.15
10-May-12		54.8	4.004	0.42
21-Aug-12		59.2	4.081	0.71
5-Dec-12		54.2	3.993	1.00
4-Mar-13		69.1	4.236	1.24
30-May-13		71.3	4.267	1.48
9-Sep-13		54.6	4.000	1.76
12-Dec-13		48.9	3.890	2.02
18-Mar-14		50.3	3.918	2.28
4-Jun-14		54.3	3.995	2.49
3-Sep-14		41.0	3.714	2.74
5-Dec-14		10.7	2.370	3.00
6-Mar-15		46.2	3.833	3.25
28-May-15		43.6	3.775	3.47
2-Sep-15		36.9	3.608	3.74
30-Nov-15		41.2	3.718	3.98
1-Mar-16		36.3	3.592	4.24
8-Jun-16		24.5	3.199	4.51
9-Sep-16		25.2	3.227	4.76
6-Dec-16		22.5	3.114	5.00
13-Mar-17		30.7	3.424	5.27
12-Jun-17		20.7	3.030	5.52
29-Aug-17		30.7	3.424	5.73
29-Nov-17		25.3	3.231	5.98
28-Feb-18		33	3.497	6.23
4-Jun-18	39	3.664	6.50	
28-Aug-18	24	3.178	6.73	
30-Nov-18	35	3.555	6.99	
11-Mar-19	34	3.526	7.26	
<b>NMWQCC</b>		<b>10</b>	<b>2.303</b>	



### Formula

$$t = -[\ln(C_{CL}/C_o)] / k_{point}$$

where:

t = Time to achieve cleanup levels, years

C<sub>CL</sub> = Cleanup level for contaminant of concern, mg/L

C<sub>o</sub> = Initial concentration of contaminant of concern, mg/L

k<sub>point</sub> = First-order decay rate constant at one monitoring point, years<sup>-1</sup>  
= slope of the line, y

### Solutions

DAD-19, Nitrate	
Enter C <sub>CL</sub>	10
Enter C <sub>o</sub>	47.4
Enter k <sub>point</sub>	0.1177
<b>Time to reach cleanup level</b>	<b>13.2 years</b>







## First-Order Decay Rate Calculation for Monitored Natural Attenuation

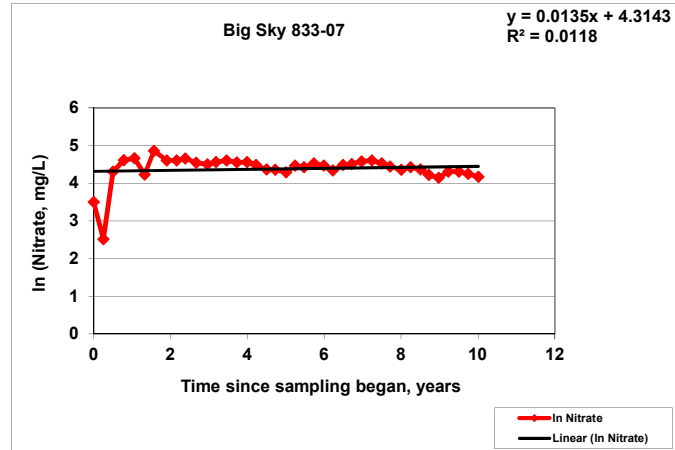
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Monitoring Well - Big Sky Dairy 833-07

Location of well (source area, down-gradient, perimeter or cross-gradient, in ROI of cleanup system, other):  
Downgradient of lagoon; Central area.

Sampling Date	Depth to Ground Water	Nitrate mg/L	In Nitrate mg/L	Elapsed time since 3/2/09 years
2-Mar-09	22 to 26 feet below top of casing	33.2	3.503	0.00
1-Jun-09		12.4	2.518	0.25
31-Aug-09		74	4.304	0.50
14-Dec-09		101	4.615	0.79
23-Mar-10		106	4.663	1.06
28-Jun-10		69	4.234	1.32
24-Sep-10		129	4.860	1.56
24-Jan-11		100	4.605	1.90
29-Apr-11		100	4.605	2.16
21-Jul-11		105	4.654	2.39
1-Nov-11		94.2	4.545	2.67
15-Feb-12		90.3	4.503	2.96
7-May-12		95.6	4.560	3.18
15-Aug-12		99.8	4.603	3.46
20-Nov-12		95.1	4.555	3.72
26-Feb-13		95.5	4.559	3.99
21-May-13		88.7	4.485	4.22
29-Aug-13		78.4	4.362	4.50
21-Nov-13		78.3	4.361	4.73
4-Mar-14		73.0	4.290	5.01
29-May-14		87.0	4.466	5.24
21-Aug-14		83.6	4.426	5.47
24-Nov-14		92.5	4.527	5.73
25-Feb-15		86.8	4.464	5.99
22-May-15		76.7	4.340	6.22
27-Aug-15		88.9	4.488	6.49
18-Nov-15		91.0	4.511	6.72
18-Feb-16		97.4	4.579	6.97
27-May-16		100	4.605	7.24
29-Aug-16		92.2	4.524	7.50
17-Nov-16		85.3	4.446	7.72
1-Mar-17		78.0	4.357	8.00
30-May-17		83.3	4.422	8.25
31-Aug-17	78.7	4.366	8.50	
17-Nov-17	68.2	4.222	8.72	
22-Feb-18	63	4.143	8.98	
24-May-18	74	4.304	9.23	
31-Aug-18	74	4.304	9.50	
26-Nov-18	70	4.248	9.74	
4-Mar-19	65	4.174	10.01	
<b>NMWQCC</b>		<b>10</b>	<b>2.303</b>	



### Formula

$$t = -[\ln(C_{CL}/C_o)] / k_{point}$$

where:

t = Time to achieve cleanup levels, years

$C_{CL}$  = Cleanup level for contaminant of concern, mg/L

$C_o$  = Initial concentration of contaminant of concern, mg/L

$k_{point}$  = First-order decay rate constant at one monitoring point, years<sup>-1</sup>  
= slope of the line, y

Note: Analysis not valid; indicated increasing trend.

### Solutions

833-07, Nitrate		
Enter $C_{CL}$	⇒	10
Enter $C_o$	⇒	33.2
Enter $k_{point}$	⇒	
Time to reach cleanup level		#DIV/0! years