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May 29, 2020

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 blue 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

May 2020

EA Project No. 1464106.05

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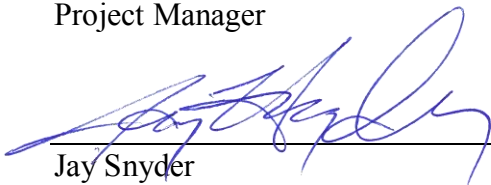
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Gina Mullen
Project Manager

05/29/2020

Date



Jay Snyder
Senior Hydrogeologist

05/29/2020

Date

May 2020

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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 Quarterly 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 (NMAC), Title 20, Chapter 6, Part 2, Sections 4106 through 4110 (20.6.2.4106 – 20.6.2.4110 NMAC). The Sampling and Analysis Plan was approved by the New Mexico Environment Department (NMED) Ground Water Quality Bureau (GWQB) on September 25, 2008. On March 25, 2015, the stipulated agreement to additional requirements to the Dona Ana Dairies Stage 2 Abatement Plan was agreed upon by NMED, Dona Ana Dairies, and the Rio Valle Concerned Citizens. On April 10, 2015, the Stage 2 Abatement Plan was approved by NMED by Final Order. Document references are provided in Section 10.0.

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 20.6.2.4110 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 4 through February 6, 2020. Anthony Waste Water Treatment Plant (WWTP) wells were gauged on February 6, 2020.
- From February 7 through February 26, 2020, D&H representatives collected groundwater samples from all AP, DP, and irrigation/supply wells that contained sufficient water, with the exception of former McAnally Enterprise well MW-4 and irrigation well LRG-00590-S-6, which were sampled on March 6 and March 21, 2020, respectively. 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 on field forms 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 Doña 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 on May 1, 2019. A public meeting to discuss the plan was held in Anthony, New Mexico on May 17, 2019. The Stage 2 Abatement Plan Modification proposal was revised based on additional input from NMED and the public and submitted on July 26, 2019. Public notice for the proposal was initiated on October 23, 2019 and closed on December 31, 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. Dominguez wells 624-06, 624-07, and 624-08 were plugged and abandoned and were replaced in the Dominguez DP with newly installed wells 624-09, 624-10, and 624-11. 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 4 through February 12, 2020, representatives from D&H gauged DP monitoring wells, AP monitoring wells, and Anthony WWTP wells with an electronic water level indicator. Dominguez 2 well 42-09 could not be gauged because it was damaged. Table 1 provides a summary of the groundwater gauging data collected from the monitoring network. Data obtained during gauging are shown on potentiometric surface maps included as Figures 2, 3, 4, and 5. Well gauging field forms are available in Appendix A.

2.2 AP and DP Well Groundwater Sampling

D&H sampled all AP monitoring wells with sufficient water from February 19, 2020 through February 26, 2020. AP well DAD-06 was dry and, thus, was not sampled; well DAD-06 has been dry since September 2013. The Stage 2 Abatement Plan proposal discusses plans for a drilling company to attempt to remove silt at the bottom of the well through redevelopment. Redevelopment will occur when the plan is approved. Groundwater sampling from AP wells was accomplished with new, disposable bailers. Three well casing volumes were purged unless the well contained insufficient water.

D&H sampled DP wells from February 7, 2020 through February 19, 2020 with the exception of former McAnally Enterprise well MW-4, which was sampled for Sunset Dairy on March 6, 2020. Due to a lower water table, several wells were dry or contained insufficient water for sampling. Prior to sampling, the DP wells were purged of three well casing volumes, if practicable, by either (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 new polyethylene tubing.

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 the 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 ORP were monitored using a Myron L Ultrameter II and recorded on field forms. Dissolved oxygen was measured using a YSI 556 MPS. 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 accomplished by carefully pouring groundwater from the bailer into the sample containers or by pumping groundwater through new polyethylene tubing into the sample container. Sample containers were provided by Hall Environmental Analysis Laboratory, Inc. (Hall). 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 delivered under chain-of-custody to Hall in Albuquerque, New Mexico. All analytical laboratory reports are provided in Appendix B.

2.3 Irrigation/Supply Well Groundwater Sampling

Thirteen irrigation/supply locations were sampled on February 20, 2020 and one irrigation well (LRG-00590-S-6) was sampled on March 21, 2020. 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. Tap samples were collected while the pumps were running; as a result no purging was completed.

Two samples were collected from irrigation wells. One is located at the Mountain View Land Application Area (LRG-457) 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 sampled 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.

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 12.57 feet below top-of-casing (ft btoc) in AP well DAD-03 to 133.30 ft btoc in Dominguez 2 DP 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, as groundwater elevations have consistently measured several feet higher than groundwater elevations in surrounding wells. As a result, this groundwater elevation has not been used in contouring for the central area potentiometric surface map.

Potentiometric surface maps were completed using the monitoring well gauging data for the northern, central, and southern portions (perched and regional aquifers) 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 in each area and are provided in Appendix C. In comparison to November 2019 gauging, groundwater levels decreased by an average of approximately 0.3 foot in the northern area and increased by an average of approximately 0.3 foot in the central area. In the southern area, average groundwater levels increased by approximately 0.9 foot in the regional aquifer while average groundwater levels in the perched aquifer decreased by approximately 0.5 foot. This gauging event was the first to occur after the Anthony Water and Sanitation District repaired a water line leak located at the intersection of E O'Hara Road and Anthony Drive in late December 2019. The water line leak resulted in increased water levels in the southern perched aquifer and its repair likely contributes to the decreased groundwater levels recorded for this quarter.

At the time the Stage 2 Abatement Plan was written in 2013, groundwater flow direction in the northern portion was to the east-southeast. Over time, the groundwater flow direction has shifted. During the most recent gauging event, groundwater flow direction at the north and south ends of the northern area were still to the east-southeast, but groundwater in the center of the northern area was flowing to the east. In the central area, groundwater flow direction was generally to the southeast. Flow in the southern area regional aquifer was to the southeast and flow in the southern perched aquifer was to the south-southwest.

The hydraulic gradient across the Dairies in the regional aquifer was approximately 0.001 ft/ft and the hydraulic gradient in the perched aquifer in the southern area was approximately 0.007 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 10 milligram per liter (mg/L) NMWQCC standard for nitrate as nitrogen in 10 of the 25 AP monitoring wells sampled. The remaining 15 AP wells had nitrate concentrations at or above the standard: DAD-01, DAD-07, DAD-08, DAD-09, DAD-11, DAD-12 (vertical delineation), DAD-13, DAD-14, DAD-15, DAD-19 (vertical delineation), DAD-20, DAD-21, DAD-22, DAD-23, and DAD-26.

Nitrate concentrations decreased or remained the same in AP wells DAD-02, DAD-03, DAD-04,

DAD-05, DAD-08, DAD-10, DAD-11 (vertical delineation), DAD-12 (vertical delineation), DAD-13, DAD-14, DAD-16, DAD-17, DAD-19 (vertical delineation), DAD-20, DAD-21, and DAD-24, compared to the December 2019 sampling event. Increases in nitrate concentrations at several wells in the southern perched aquifer (i.e. DAD-09, DAD-26, and DAD-22) were likely a result of the water line repair. During this sampling event, nitrate concentrations in the AP wells ranged from 110 mg/L in well DAD-21 to <1.0 mg/L (the laboratory reporting limit [RL]) in wells DAD-03, DAD-04, DAD-05, and DAD-16, and DAD-17.

Both chloride and TDS concentrations exceeded their respective NMWQCC standard in all AP wells sampled, with the exception of well DAD-17. In well DAD-17, chloride was below the 250 mg/L standard with a concentration of 71 mg/L and TDS was below the standard of 1,000 mg/L at a concentration of 554 mg/L. The highest chloride and TDS concentrations in the AP wells were obtained from well DAD-08, where respective concentrations were 1,800 mg/L and 4,930 mg/L. In December 2019, an anomalous increase in chloride and TDS concentrations was observed at well DAD-13; chloride and TDS concentrations decreased back to typical historic levels for this sampling event. It appears that in December 2019 the samples results reported for DAD-13, were actually for DAD-12 and vice versa.

Table 4 and Figures 6 through 9 present the analytical results for AP monitoring wells. Analytical laboratory reports are provided in Appendix B. Nitrate, chloride, and TDS concentration trends for select AP wells are presented by area in Appendix E.

3.3.2 Abatement Plan and Discharge Permit Well Results by Area

DP groundwater analytical results are presented in Table 5. Nitrate, chloride, and TDS concentration trends for the DP wells by area are presented in Appendix F. Analytical data for all sampled DP wells are also presented in Figures 6 through 9. Analytical laboratory reports are included in Appendix B. Discussions of upgradient/downgradient conditions reflect current groundwater flow directions discussed in section 3.1. The following discussions summarize the results by area at the Dairies.

Northern Portion

Upgradient well 86/340-01 (located to the north) has been below the nitrate standard since February 2018; between April 2011 and November 2017, concentrations in this well were consistently above the nitrate standard. The Upgradient Northern Land Application Area well 70/86/340-01 remained above the nitrate standard at a concentration of 22 mg/L, which is within the range of historical results. The nitrate concentration in downgradient AP well DAD-02 has been below the NMWQCC standard of 10 mg/L since March 2019 (located to the south). Downgradient Dominguez 2 wells 42-10, 42-11, and 42-12 (located to the east) also remain below the nitrate standard, with a maximum detection of 1.3 mg/L in wells 42-11 and 42-12. Downgradient AP wells DAD-01 and DAD-13 (located to the east), had detections of nitrate above the standard at concentrations of 13 mg/L and 14 mg/L, respectively. The highest nitrate concentration in the northern portion was observed in Dominguez Dairy 2 well 42-06 with a concentration of 150 mg/L.

Chloride concentrations were above the 250 mg/L standard in wells sampled within the northern portion of the Dairies with the exceptions of Northern Land Application Area well 86/340-01 (230 mg/L) and Dominguez 2 well 42-08 (240 mg/L), which are both located upgradient of DAD. TDS concentrations were above the 1,000 mg/L standard in all wells sampled within the northern portion of the Dairies. The highest concentrations of chloride and TDS were observed at Northern Land Application area well 70-03 with concentrations of 2,400 mg/L and 6,080 mg/L, respectively.

Central Portion

The highest nitrate concentration in the central portion was 72 mg/L, observed in Buena Vista Dairy II well 74-01. The upgradient extent of the central portion nitrate plume is defined by Buena Vista Dairy II well 74-03, where nitrate was not detected above the laboratory RL. Sunset Dairy well 257-02 and former McAnally Enterprises well MW-4 define the downgradient extent of the plume with nitrate concentrations of 7.1 mg/L and <1.0 mg/L (the laboratory RL), respectively. Historically, the eastern cross-gradient extent of the plume was defined by AP wells DAD-07 and DAD-15. For this sampling event, the nitrate concentrations in AP wells DAD-07 and DAD-15 were 14 mg/L and 11 mg/L, respectively. The western extent is defined by AP wells DAD-04, and DAD-16; nitrate concentrations remain below standards in these wells.

Chloride and TDS concentrations were above standards in wells within the central portion of the Dairies with the exception of AP well DAD-17, where chloride and TDS concentrations were 71 and 554 mg/L, respectively. The highest chloride and TDS concentrations were observed at AP well DAD-08 at 1,800 mg/L and 4,930 mg/L, respectively. AP well DAD-08 is located east of Sunset Dairy, adjacent to an irrigation well that is no longer in use. Concentrations of chloride and TDS have been decreasing since 2013/2014.

Southern Portion – Regional and Perched Aquifers

Wells completed in the regional aquifer in the southern portion of the dairies include AP well DAD-10 and Del Oro Dairy wells 692-05 through 692-09 (Figure 8). All of the sampled wells in the regional aquifer were below the NMWQCC standard for nitrate except for Del Oro well 692-05, which had a concentration of 14 mg/L. Chloride concentrations were above the NMWQCC standard and ranged from 380 mg/L in AP well DAD-10 to 430 mg/L in Del Oro Dairy well 692-08. TDS concentrations were above the NMWQCC standard and ranged from 1,380 mg/L in Del Oro Dairy well 692-08 to 1,780 mg/L in Del Oro Dairy well 692-05.

Perched aquifer wells in the southern portion of DAD that are sampled include wells 692-02, 629-04, DAD-09, DAD-20, DAD-21, DAD-22, and DAD-26 (Figure 9). A water line located at the intersection of East O'Hara Road and Anthony Drive that had previously been releasing potable water into the perched aquifer was repaired in late December 2019; this is the first sampling event to occur after the repair.

Nitrate was above the standard in all sampled monitoring wells in the perched aquifer with the exception of Del Oro Dairy well 692-02; the nitrate concentration in this well has remained

below the standard since May 2019. The maximum nitrate concentration of 110 mg/L was observed in AP well DAD-21. Chloride concentrations ranged from 270 mg/L in Del Oro Dairy well 692-02 to 950 mg/L in AP well DAD-21. TDS in the perched aquifer ranged from below the standard in Del Oro Dairy well 692-02 (882 mg/L) to above the standard in AP well DAD-21 (3,430 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 included in Figures 6, 7, and 8. Analytical laboratory reports are provided in Appendix B.

Nitrate concentrations were below the NMWQCC standard for nitrate in 10 of the 14 irrigation/supply well sample locations. In the northern portion, nitrate concentrations were detected at or above the standard in four of the seven wells. The highest nitrate concentration detected in the northern area irrigation wells was 14 mg/L at Bright Star Dairy well LRG-00953. None of the irrigation/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 360 mg/L at Sunset Dairy well LRG-3348-B and Buena Vista Dairy II well LRG-01876 to 1,200 mg/L at Organ Dairy well LRG-458 S. TDS concentrations ranged from 1,300 mg/L at Del Oro Dairy well LRG-5,820 to 3,280 mg/L at Organ Dairy well LRG-458 S. 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 above standards regionally.

4.0 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 conditions will be recalculated for the northern, central, and southern portions every five years. Background conditions will be recalculated in accordance with the stipulated agreement to the Stage 2 Abatement Plan and will be presented later this year in a five year evaluation of the Stage 2 Abatement remedy at DAD.

The average background or existing concentrations as established by the UCL for chloride and TDS in 2016 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.

5.0 TREND ANALYSIS

Analytical data collected from all AP and DP wells sampled in 2020 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.

5.1 Northern Portion

Trend analysis was conducted on 38 wells within the northern portion. Seven DP wells were not analyzed for trend because they were dry or plugged and abandoned. Of the 38 wells analyzed, five wells had increasing trends for nitrate, chloride, and TDS: Organ Dairy wells 126-04 and 126-13, 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 20 of the 38 wells.

Nitrate decreasing and increasing concentration trends are as follows:

- Decreasing Nitrate Trend: Organ Dairy well 126-09, Mountain View Dairy well 70-02, Dominguez 2 Dairy wells 42-02, 42-08 and 42-13, Dominguez Dairy wells 624-02, Gonzalez Dairy wells 177-01, 177-02, 177-04, and 177-05, and AP well DAD-14.
- 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-01, 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, Bright Star Dairy well 340-02, Dominguez 2 Dairy wells 42-06, 42-08, 42-10, and 42-11, Dominguez Dairy wells 624-01, 624-02 and 624-05, Gonzalez Dairy wells 177-02, 177-03A, 177-04, and 177-07R, and AP wells DAD-01 and DAD-14.

- Increasing Chloride 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, Dominguez 2 Dairy well 42-02, Gonzalez Dairy wells 177-01 and 177-05, and AP wells DAD-11, DAD-12, and DAD-13.

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, 42-08, 42-11, and 42-12, Dominguez Dairy wells 624-01, 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, 126-07, and 126-13, Mountain View Dairy wells 70-01 and 70-04, Bright Star Dairy well 340-01, Dominguez 2 Dairy well 42-02, Gonzalez Dairy wells 177-01 and 177-05, and AP wells DAD-11 and DAD-12.

Upgradient Land Application Area well 70/86/340-01 had stable nitrate, 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 had stable nitrate, and stable to decreasing chloride, and TDS concentrations. The AP eastern boundary wells DAD-01 and DAD-13, however, showed an increasing nitrate trend and have nitrate concentrations above the standard. Chloride and TDS trends were decreasing in DAD-01, while chloride and TDS trends in well DAD-13 were increasing and stable, respectively.

The western boundary wells Dominguez Dairy 2 well 42-02 and Dominguez Dairy well 624-05, had nitrate concentrations just above and just below the standard, but show a decreasing and stable nitrate trend, respectively. Dominguez well 624-02 has decreasing concentrations of nitrate, chloride, and TDS. Organ Dairy well 126-12 had stable concentrations of nitrate and TDS and declining concentrations of chloride.

The southern boundary wells for the northern area are AP wells DAD-14, DAD-23, and DAD-02. DAD-14 shows decreasing concentrations of nitrate and chloride and stable concentrations of TDS. DAD-02 had an increasing trend for nitrate, but stable concentrations of chloride and a decreasing trend for TDS. DAD-23 had an increasing trend for nitrate but was stable for chloride and TDS. All Gonzales Dairy wells had decreasing to stable nitrate trends.

5.2 Central Portion

A trend analysis was conducted on all 29 wells with adequate water for sampling within the central portion. Decreasing or stable trends for all three constituents were present in 15 of the 29 wells analyzed. Increasing trends for all three contaminants (nitrate, chloride and TDS) were only present in AP well DAD-15.

A decreasing to stable nitrate trend was present in wells downgradient of seven of the nine lagoons in the central area. 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 wells 74-01, 74-03, 74-04, and 74-05, Big Sky Dairy well 833-07, 833-08, 833-09, and 833-10, Sunset Dairy wells 257-01 and 257-02, and AP wells DAD-03, DAD-04, DAD-16, DAD-19, and DAD-25.
- Increasing Nitrate Trend: Buena Vista Dairy well 74-02, 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, and AP wells DAD-03, DAD-04, DAD-07, and DAD-17.
- Increasing Chloride Trend: Buena Vista II Dairy wells 74-01, 74-04, and 74-05, Big Sky Dairy wells 833-02, 833-04, and 833-06, Sunset Dairy wells 257-01 and 257-02, and AP wells DAD-15, DAD-19, and DAD-24.

The following summarizes the trend statistics for TDS:

- Decreasing TDS Trend: Buena Vista II Dairy wells 74-03, Big Sky Dairy wells 833-07 and 833-09, and AP wells DAD-03, DAD-04, DAD-16, DAD-17, DAD-18, DAD-19, and DAD-25.
- Increasing TDS Trend: Buena Vista II Dairy wells 74-01, 74-04 and 74-05, Big Sky wells 833-02, 833-05, and 833-06, and Sunset Dairy wells 257-01 and 257-02, and AP wells DAD-07, DAD-15, and DAD-24.

Upgradient wells Buena Vista Dairy well 74-03 and AP well DAD-03 had decreasing trends for nitrate, chloride, and TDS. Eastern cross-gradient AP wells DAD-07 and DAD-15 had increasing trends except for chloride in DAD-07, which was decreasing. DAD-15 had increasing chloride and TDS concentrations. 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 were below existing conditions. The former McAnally Enterprise well MW-4, located downgradient of DAD, had stable concentrations for nitrate, chloride, and TDS. AP well DAD-25 had decreasing trends for nitrate and TDS, but stable concentrations of chloride.

5.3 Southern Portion

The southern portion statistical trend analysis was completed on all wells within the regional and perched aquifers. Of the 13 wells analyzed in the southern portion of the Dairies, nine had decreasing or stable concentrations of nitrate, chloride, and TDS.

Within the regional aquifer, an increasing nitrate trend was observed in Del Oro Dairy well 692-05. Nitrate was above the standard. Chloride and TDS trends were decreasing or stable in all regional wells.

In the perched aquifer, statistical trend analysis indicated four of the seven wells had stable or decreasing trends for all analytes. Three abatement wells, DAD-09, DAD-20 and DAD-21, had increasing trends for all three constituents; nitrate was above the standard in all three wells. Chloride and TDS were above existing conditions in well DAD-21; chloride was above existing conditions in well DAD-20. Chloride and TDS are generally above existing conditions in DAD-09.

6.0 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 1st 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. Three 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 wells 833-07 and 833-09). 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 14 monitoring wells. Seven wells from the northern area and six wells from the central area, and one well from the southern area perched aquifer were analyzed. A summary of the results of the decay rate analysis is presented in Table 8.

- Northern Area: Nitrate decay rates ranged from 0.0256 years⁻¹ to 0.1723 years⁻¹. These rates correspond to an average half-life of approximately 16 years. In these northern locations where groundwater attenuation is occurring, cleanup times averaging 29 years are expected.
- Central Area: Nitrate decay rates ranged from 0.0182 years⁻¹ to 0.0807 years⁻¹. The predicted average half-life was calculated at approximately 20 years and the average predicted cleanup time was calculated as approximately 44 years.

- Southern Area (Perched Aquifer): The nitrate decay rate for AP well DAD-26 was calculated as $0.3732 \text{ years}^{-1}$. The rate corresponds to an estimated half-life of 1.86 years and an estimated 4.8 years' cleanup time. Note that this well was likely impacted by a nearby municipal water line release and that calculated decay rates may not be predictive of future trends.

7.0 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 the most February/March 2020, with the exception of two wells with insufficient water for sampling. For those two wells, data from the November 2019 sampling event were used. Interpolation was based on analytical data from AP and DP wells. Isopleths were manually adjusted in areas where plume edges were not defined by the model. TDS in the central and 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 2020. Distributions of contaminants modeled from 2020 data are displayed in Figures 10 through 19. 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 by over 40% between 2016 and 2020. 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 2017 and 2018.
- Central portion - The nitrate, chloride, and TDS plumes decreased in size relative to the 2016 baseline. The size of the modeled nitrate and chloride plumes have decreased by 18% and 88%, respectively. There is no longer a TDS plume since concentrations exceeding existing conditions are not present.
- Southern portion (perched aquifer) – Nitrate and chloride plumes increased in total size between 2016 and 2020; the TDS plume size has decreased since 2016. 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. Additionally, plume configuration and size may have been impacted by the nearby municipal water line leak.

- Southern portion (regional aquifer) – The chloride and TDS plume sizes decreased or were stable between 2016 and 2020, however, the nitrate plume size increased. TDS was not present above existing conditions in 2020.

8.0 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 12.57 to 133.30 ft btoc.
- Generally, groundwater levels increased relative to last quarter in the central and southern portions of the regional aquifer. Groundwater elevations were generally lower relative to last quarter in the northern area of the regional aquifer and in the southern perched aquifer.
- Groundwater flow direction at the north and south ends of the northern area were to the east-southeast during the most recent groundwater monitoring event; however, groundwater in the center of the northern area was flowing to the east.
- In the central area, groundwater flow direction was generally to the southeast. Flow in the southern area regional aquifer was to the southeast and flow in the southern perched aquifer was to the south-southwest.
- 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 approximately 0.007 ft/ft.
- Nitrate was below the NMWQCC standard of 10 mg/L in 10 of the 25 groundwater samples collected from the AP wells.
- Chloride was above the NMWQCC standard of 250 mg/L in all monitoring wells sampled, except for well DAD-17, which had a chloride concentration of 65 mg/L.
- TDS was above the NMWQCC standard of 1,000 mg/L in all monitoring wells sampled, except for well DAD-17, which had a TDS concentration of 582 mg/L.
- Chloride and TDS remain near or above NMWQCC 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 20 of the 38 wells analyzed in the northern portion had decreasing or stable trends for nitrate, chloride, and TDS.
- Trend analysis indicates that 15 of the 29 wells analyzed in the central portion had decreasing or stable trends for nitrate, chloride, and TDS.
- Trend analysis indicates that 9 of the 13 wells analyzed in the southern portion had decreasing or stable trends for nitrate, chloride, and TDS.
- Nitrate decay rates in the northern area ranged from 0.0256 years⁻¹ to 0.1723 years⁻¹. These rates correspond to an average half-life of approximately 16 years. In these northern locations where groundwater attenuation is occurring, cleanup times averaging 29 years are expected.
- In the central area, nitrate decay rates ranged from 0.0182 years⁻¹ to 0.0807 years⁻¹. The predicted average half-life was calculated at approximately 20 years and the predicted cleanup time was calculated as approximately 44 years.
- The nitrate decay rate for AP well DAD-26 in the southern perched aquifer was calculated as 0.3732 years⁻¹. The rate corresponds to an estimated half-life of 1.86 years and an estimated 4.8 years' cleanup time. Note that this well was likely impacted by a nearby municipal water line release and that calculated decay rates may not be predictive of future trends.
- Between 2016 and 2020 in the northern and central portions, the size of the nitrate, chloride, and TDS plumes decreased.
- In the regional aquifer of the southern portion, chloride and TDS plumes decreased in size or were stable between 2016 and 2020; the size of the nitrate plume increased.
- In the perched aquifer of the southern portion, nitrate and chloride plume size increased and TDS plume size decreased between 2016 and 2020.
- The nitrate plume is no longer defined in the perched aquifer at Del Oro Dairy. A modified Abatement Plan proposal to address this has been submitted to NMED.
- When the Stage 2 Abatement Plan modification is approved, DAD-06 will be redeveloped to remove the silt that is in the bottom of the well so that groundwater can be collected for analysis.
- Elevated water levels and anomalous concentrations of nitrate, chloride, and TDS in the southern perched aquifer is likely the result of a municipal water line release. Anthony Water and Sanitation District repaired the water line in late December 2019.

9.0 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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
NORTHERN AREA						
Northern Land Application Area						
70-03	4-Feb-2020	424580.78	1510233.88	3871.43	56.95	3814.48
	8-Nov-2019				57.10	3814.33
	1-Aug-2019				58.39	3813.04
	8-May-2019				57.97	3813.46
	19-Feb-2019				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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DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
70/86/340-01	4-Feb-2020	427320.92	1508461.05	3866.77	50.20	3816.57
	8-Nov-2019				50.44	3816.33
	1-Aug-2019				51.52	3815.25
	8-May-2019				51.31	3815.46
	19-Feb-2019				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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DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
86/340-01	4-Feb-2020	432021.33	1503216.90	3876.14	56.41	3819.73
	8-Nov-2019				56.83	3819.31
	1-Aug-2019				57.87	3818.27
	8-May-2019				57.95	3818.19
	19-Feb-2019				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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DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
Organ Dairy (Formerly known as Del Norte Dairy and Daybreak Dairy)						
126-04	4-Feb-2020	423258.23	1510546.24	3850.31	35.35	3814.96
	8-Nov-2019				35.44	3814.87
	1-Aug-2019				36.75	3813.56
	8-May-2019				36.30	3814.01
	19-Feb-2019				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				

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

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
126-05	4-Feb-2020	422293.26	1510649.84	3842.62	28.48	3814.14
	8-Nov-2019				27.71	3814.91
	1-Aug-2019				28.31	3814.31
	8-May-2019				28.04	3814.58
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
126-07	4-Feb-2020	423613.62	1509986.47	3850.94	35.55	3815.39
	8-Nov-2019				35.66	3815.28
	1-Aug-2019				36.76	3814.18
	8-May-2019				36.40	3814.54
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
126-09	4-Feb-2020	425154.15	1510994.31	3893.35	79.67	3813.68
	8-Nov-2019				79.08	3814.27
	1-Aug-2019				80.45	3812.90
	8-May-2019				79.95	3813.40
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
126-12	4-Feb-2020	421492.11	1510198.45	3838.88	22.50	3816.38
	8-Nov-2019				21.69	3817.19
	1-Aug-2019				22.84	3816.04
	8-May-2019				22.70	3816.18
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
126-13	4-Feb-2020	423431.96	1510657.41	3857.37	42.42	3814.95
	8-Nov-2019				42.75	3814.62
	1-Aug-2019				43.91	3813.46
	8-May-2019				43.48	3813.89
	19-Feb-2019				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	3814.77
	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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
Mountain View Dairy						
70-01	4-Feb-2020	423303.43	1510585.63	3851.84	36.92	3814.92
	8-Nov-2019				37.41	3814.43
	1-Aug-2019				38.34	3813.50
	8-May-2019				37.90	3813.94
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
70-02	4-Feb-2020	423412.73	1511192.51	3861.25	46.60	3814.65
	8-Nov-2019				47.13	3814.12
	1-Aug-2019				48.17	3813.08
	8-May-2019				47.70	3813.55
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
70-04	4-Feb-2020	422798.94	1510922.20	3849.81	34.95	3814.86
	8-Nov-2019				35.03	3814.78
	1-Aug-2019				36.35	3813.46
	8-May-2019				35.47	3814.34
	19-Feb-2019				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	3817.96				

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

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
Buena Vista Dairy I						
86-01	4-Feb-2020	421534.62	1511667.76	3864.96	50.07	3814.89
	8-Nov-2019				50.00	3814.96
	1-Aug-2019				51.19	3813.77
	8-May-2019				50.91	3814.05
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
86-02	4-Feb-2020	421792.08	1510881.53	3848.08	32.20	3815.88
	8-Nov-2019				32.89	3815.19
	1-Aug-2019				33.00	3815.08
	8-May-2019				32.81	3815.27
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
Bright Star Dairy						
340-01	4-Feb-2020	421410.13	1511423.42	3858.48	43.12	3815.36
	8-Nov-2019				43.03	3815.45
	1-Aug-2019				44.00	3814.48
	8-May-2019				43.77	3814.71
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
340-02	4-Feb-2020	420641.08	1512051.57	3869.76	54.70	3815.06
	8-Nov-2019				54.40	3815.36
	1-Aug-2019				55.39	3814.37
	8-May-2019				55.20	3814.56
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
Former D&J Dairy (Dominguez 2)						
42-02	4-Feb-2020	419982.45	1511126.19	3844.69	27.68	3817.01
	8-Nov-2019				24.83	3819.86
	5-Aug-2019				26.81	3817.88
	8-May-2019				27.50	3817.19
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
42-03	4-Feb-2020	419710.55	1514064.35	3898.46	84.90	3813.56
	8-Nov-2019				84.22	3814.24
	5-Aug-2019				84.22	3814.24
	24-Jan-1900				86.35	3812.11
	8-May-2019				85.82	3812.64
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
42-06	4-Feb-2020	420021.61	1511465.15	3850.15	33.84	3816.31
	8-Nov-2019				31.38	3818.77
	5-Aug-2019				33.42	3816.73
	8-May-2019				33.80	3816.35
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
42-07	4-Feb-2020	420584.8	1513076.66	3891.52	Dry	
	8-Nov-2019				Dry	
	5-Aug-2019				Dry	
	8-May-2019				Dry	
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
42-08	4-Feb-2020	419994.93	1511197.91	3846.53	29.72	3816.81
	8-Nov-2019				28.12	3818.41
	5-Aug-2019				29.08	3817.45
	8-May-2019				29.61	3816.92
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
42-09	4-Feb-2020	419729.17	1512255.76	3865.25	Damaged	
	8-Nov-2019				47.03	3818.22
	5-Aug-2019				49.72	3815.53
	8-May-2019				49.76	3815.49
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
42-10	5-Feb-2020	421426.39	1514460.4	3929.28	116.05	3813.23
	25-Nov-2019				116.94	3812.34
	5-Aug-2019				117.70	3811.58
	8-May-2019				117.06	3812.22
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
42-11	4-Feb-2020	420693.98	1515270.32	3939.31	126.66	3812.65
	8-Nov-2019				126.63	3812.68
	5-Aug-2019				127.96	3811.35
	8-May-2019				127.35	3811.96
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
42-12	5-Feb-2020	420972.09	1515423.88	3945.83	133.30	3812.53
	8-Nov-2019				133.01	3812.82
	5-Aug-2019				134.50	3811.33
	8-May-2019				133.01	3812.82
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
42-13	4-Feb-2020	419734.06	1512534.42	3873.10	58.05	3815.05
	8-Nov-2019				57.05	3816.05
	5-Aug-2019				58.25	3814.85
	8-May-2019				58.22	3814.88
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
Dominguez Dairy						
624-01	5-Feb-2020	418826.21	1512131.46	3843.72	27.62	3816.10
	8-Nov-2019				26.82	3816.90
	1-Aug-2019				27.30	3816.42
	8-May-2019				26.50	3817.22
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
624-02	5-Feb-2020	417335.25	1512201.42	3835.45	19.00	3816.45
	8-Nov-2019				17.77	3817.68
	1-Aug-2019				18.65	3816.80
	8-May-2019				18.42	3817.03
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
624-04	28-Jan-2020	418542.24	1508104.07	3835.69	Plugged and Abandoned	
	8-Nov-2019				Dry	
	1-Aug-2019				Dry	
	8-May-2019				Dry	
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
624-05	28-Jan-2020	419777.52	1509829.65	3835.27	Plugged and Abandoned	
	8-Nov-2019				15.87	3819.40
	1-Aug-2019				16.00	3819.27
	8-May-2019				16.60	3818.67
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
624-06	28-Jan-2020	418502.42	1513981.08	3868.18	Plugged and Abandoned	
	8-Nov-2019				Dry	
	1-Aug-2019				Dry	
	8-May-2019				Dry	
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
624-07	28-Jan-2020	418012.23	1514707.77	3872.25	Plugged and Abandoned	
	8-Nov-2019				Dry	
	1-Aug-2019				Dry	
	8-May-2019				Dry	
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
624-08	28-Jan-2020	421461.78	1507712.04	3838.70	Plugged and Abandoned	
	8-Nov-2019				Dry	
	1-Aug-2019				Dry	
	8-May-2019				Dry	
	19-Feb-2019				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			
624-09	12-Feb-2020	421471.18	1503801.31	3838.25	17.35	3820.90
624-10	12-Feb-2020	421500.79	1507673.92	3839.50	21.34	3818.16
624-11	12-Feb-2020	418501.93	1514076.76	3867.13	53.35	3813.78

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

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
Gonzalez Dairy						
177-01	5-Feb-2020	417300.94	1512942.63	3834.27	18.96	3815.31
	8-Nov-2019				17.55	3816.72
	1-Aug-2019				18.86	3815.41
	8-May-2019				18.60	3815.67
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
177-02	5-Feb-2020	416738.21	1513246.51	3834.66	19.40	3815.26
	8-Nov-2019				19.02	3815.64
	1-Aug-2019				19.38	3815.28
	8-May-2019				19.50	3815.16
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
177-03A	5-Feb-2020	416206.71	1513777.17	3835.75	21.30	3814.45
	8-Nov-2019				20.86	3814.89
	1-Aug-2019				21.35	3814.40
	8-May-2019				21.70	3814.05
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
177-04	5-Feb-2020	416796.99	1513733.28	3840.33	25.10	3815.23
	8-Nov-2019				24.89	3815.44
	1-Aug-2019				25.88	3814.45
	8-May-2019				25.81	3814.52
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
177-05	5-Feb-2020	417302.42	1514116.55	3852.16	38.02	3814.14
	8-Nov-2019				37.30	3814.86
	1-Aug-2019				38.59	3813.57
	8-May-2019				38.30	3813.86
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
177-06	5-Feb-2020	417301.84	1514765.63	3866.02	Dry	
	8-Nov-2019				Dry	
	1-Aug-2019				Dry	
	8-May-2019				Dry	
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
177-07R	5-Feb-2020	415240.93	1515476.47	3858.91	46.62	3812.29
	8-Nov-2019				46.39	3812.52
	1-Aug-2019				47.65	3811.26
	8-May-2019				47.23	3811.68
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
CENTRAL AREA						
Buena Vista Dairy II						
74-01	5-Feb-2020	405434.93	1519310.15	3841.01	35.94	3805.07
	8-Nov-2019				36.71	3804.30
	1-Aug-2019				37.18	3803.83
	9-May-2019				37.05	3803.96
	20-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
Buena Vista Dairy II Continued						
74-02	5-Feb-2020	404574.08	1519035.52	3820.58	16.10	3804.48
	8-Nov-2019				16.98	3803.60
	1-Aug-2019				17.57	3803.01
	9-May-2019				17.55	3803.03
	20-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
74-03	5-Feb-2020	407163.61	1516711.72	3823.36	15.68	3807.68
	8-Nov-2019				15.77	3807.59
	1-Aug-2019				16.55	3806.81
	9-May-2019				16.39	3806.97
	20-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
74-04	5-Feb-2020	405488.65	1519864.48	3853.17	48.21	3804.96
	8-Nov-2019				48.95	3804.22
	1-Aug-2019				49.30	3803.87
	9-May-2019				49.00	3804.17
	20-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
74-05	5-Feb-2020	404747.71	1519885.3	3845.35	40.90	3804.45
	8-Nov-2019				41.68	3803.67
	1-Aug-2019				42.12	3803.23
	9-May-2019				41.87	3803.48
	20-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
Big Sky Dairy						
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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
833-02	6-Feb-2020	401200.32	1520639.92	3836.04	33.48	3802.56
	8-Nov-2019				33.16	3802.88
	5-Aug-2019				35.51	3800.53
	9-May-2019				35.18	3800.86
	20-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
833-04	6-Feb-2020	402898.52	1520659.33	3845.79	41.99	3803.80
	8-Nov-2019				41.68	3804.11
	5-Aug-2019				43.88	3801.91
	9-May-2019				43.40	3802.39
	20-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
833-05	6-Feb-2020	399712.39	1522374.73	3865.51	65.00	3800.51
	7-Nov-2019				65.94	3799.57
	2-Aug-2019				66.10	3799.41
	9-May-2019				65.74	3799.77
	20-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
833-06	6-Feb-2020	402219.48	1522652.04	3878.20	76.00	3802.20
	7-Nov-2019				76.51	3801.69
	2-Aug-2019				76.46	3801.74
	9-May-2019				76.00	3802.20
	20-Feb-2019				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-2011	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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
833-07	6-Feb-2020	399298.8	1522082.75	3860.70	61.06	3799.64
	7-Nov-2019				61.46	3799.24
	2-Aug-2019				61.60	3799.10
	9-May-2019				61.38	3799.32
	20-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
833-08	6-Feb-2020	400535.64	1521938.23	3861.76	60.96	3800.80
	7-Nov-2019				61.28	3800.48
	2-Aug-2019				61.46	3800.30
	9-May-2019				60.92	3800.84
	20-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
833-09	6-Feb-2020	398280.67	1520918.52	3826.27	27.06	3799.21
	8-Nov-2019				27.78	3798.49
	2-Aug-2019				27.39	3798.88
	9-May-2019				27.71	3798.56
	20-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
833-10	6-Feb-2020	396715.89	1520283.6	3820.76	21.02	3799.74
	8-Nov-2019				21.38	3799.38
	2-Aug-2019				20.35	3800.41
	9-May-2019				22.12	3798.64
	20-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
Sunset/Desert Land Dairy						
257-01	6-Feb-2020	395856.31	1520572.16	3820.33	19.00	3801.33
	8-Nov-2019				18.93	3801.40
	2-Aug-2019				19.68	3800.65
	9-May-2019				21.99	3798.34
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
257-02	6-Feb-2020	394728.34	1521030.29	3813.67	14.90	3798.77
	7-Nov-2019				14.89	3798.78
	2-Aug-2019				15.00	3798.67
	9-May-2019				15.71	3797.96
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b		
257-03	6-Feb-2020	397935.69	1518746.14	3814.74	12.93	3801.81		
	8-Nov-2019				12.03	3802.71		
	2-Aug-2019				12.30	3802.44		
	9-May-2019				13.48	3801.26		
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
Additional Wells						
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
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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
SOUTHERN AREA						
Del Oro Dairy						
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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
692-02	6-Feb-2020	372984.72	1531192.1	3840.84	53.86	3786.98
	7-Nov-2019				50.24	3790.60
	5-Aug-2019				53.06	3787.78
	9-May-2019				59.91	3780.93
	20-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b	
692-04	6-Feb-2020	372982.53	1531555.21	3842.66	58.03	3784.63	
	7-Nov-2019				55.75	3786.91	
	5-Aug-2019				58.80	3783.86	
	9-May-2019					Dry	
	20-Feb-2019					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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
692-05	6-Feb-2020	374807.26	1532403	3854.26	80.62	3773.64
	7-Nov-2019				81.71	3772.55
	5-Aug-2019				81.35	3772.91
	9-May-2019				81.34	3772.92
	20-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
692-06	6-Feb-2020	375054.77	1532411.83	3856.48	82.88	3773.60
	7-Nov-2019				83.64	3772.84
	5-Aug-2019				83.25	3773.23
	9-May-2019				83.20	3773.28
	20-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
692-07	6-Feb-2020	374944.88	1532019.81	3848.20	74.82	3773.38
	7-Nov-2019				75.20	3773.00
	5-Aug-2019				74.95	3773.25
	9-May-2019				75.10	3773.10
	20-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
692-08	6-Feb-2020	375535.69	1531378.09	3843.09	67.75	3775.34
	7-Nov-2019				68.95	3774.14
	5-Aug-2019				68.76	3774.33
	9-May-2019				68.78	3774.31
	20-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
692-09	6-Feb-2020	373575.83	1532395.09	3856.32	84.02	3772.30
	7-Nov-2019				84.88	3771.44
	2-Aug-2019				84.52	3771.80
	9-May-2019				84.57	3771.75
	20-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
Anthony Waste Water Treatment Plant						
MW-1	6-Feb-2020	372097.86	1532364.36	3843.03	61.40	3781.63
	7-Nov-2019				61.93	3781.10
	3-Aug-2019				62.31	3780.72
	9-May-2019				62.12	3780.91
	1-Mar-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
MW-2	6-Feb-2020	NM	NM	3843.25	61.91	3781.34
	7-Nov-2019				62.32	3780.93
	3-Aug-2019				62.97	3780.28
	9-May-2019				63.02	3780.23
	1-Mar-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
MW-3	6-Feb-2020	NM	NM	3841.24	55.37	3785.87
	7-Nov-2019				55.49	3785.75
	3-Aug-2019				56.65	3784.59
	9-May-2019				57.05	3784.19
	1-Mar-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
ABATEMENT PLAN MONITOR WELLS						
DAD-01	4-Feb-2020	422970.59	1512825.76	3886.16	72.46	3813.70
	8-Nov-2019				73.11	3813.05
	1-Aug-2019				74.05	3812.11
	9-May-2019				73.59	3812.57
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-02	5-Feb-2020	413002.98	1517319.93	3875.82	66.20	3809.62
	8-Nov-2019				65.05	3810.77
	1-Aug-2019				66.91	3808.91
	8-May-2019				66.46	3809.36
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-03	5-Feb-2020	407721.31	1516497.85	3820.58	12.57	3808.01
	7-Nov-2019				12.21	3808.37
	1-Aug-2019				13.50	3807.08
	9-May-2019				13.29	3807.29
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-04	5-Feb-2020	404576.66	1517413.28	3821.47	15.70	3805.77
	8-Nov-2019				16.87	3804.60
	1-Aug-2019				17.14	3804.33
	9-May-2019				17.82	3803.65
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-05	6-Feb-2020	396712.87	1519102.06	3816.01	15.30	3800.71
	8-Nov-2019				15.51	3800.50
	2-Aug-2019				14.21	3801.80
	9-May-2019				16.19	3799.82
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-06	5-Feb-2020	404273.19	1522081.00	3887.71	Dry	
	8-Nov-2019				Dry	
	5-Aug-2019				Dry	
	9-May-2019				Dry	
	14-Mar-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-07	6-Feb-2020	399270.18	1524320.88	3891.38	92.36	3799.02
	7-Nov-2019				92.70	3798.68
	2-Aug-2019				92.67	3798.71
	9-May-2019				92.67	3798.71
	9-May-2019				90.29	3801.09
	20-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-08	6-Feb-2020	395287.38	1522575.07	3849.15	50.99	3798.16
	8-Nov-2019				50.31	3798.84
	2-Aug-2019				51.90	3797.25
	9-May-2019				51.68	3797.47
	20-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-09	6-Feb-2020	373259.30	1530905.70	3838.03	54.85	3783.18
	8-Nov-2019				54.31	3783.72
	2-Aug-2019				55.00	3783.03
	9-May-2019				55.99	3782.04
	20-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-10	6-Feb-2020	372980.55	1532375.33	3854.93	82.95	3771.98
	7-Nov-2019				83.76	3771.17
	2-Aug-2019				83.38	3771.55
	9-May-2019				83.71	3771.22
	20-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-11 Vertical Delineation	5-Feb-2020	416211.35	1513814.71	3835.90	21.54	3814.36
	8-Nov-2019				20.17	3815.73
	1-Aug-2019				21.65	3814.25
	8-May-2019				21.95	3813.95
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-12 Vertical Delineation	4-Feb-2020	419731.54	1512274.77	3866.72	51.66	3815.06
	8-Nov-2019				50.91	3815.81
	5-Aug-2019				51.71	3815.01
	8-May-2019				51.75	3814.97
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-13	5-Feb-2020	417879.08	1515673.13	3898.44	86.10	3812.34
	8-Nov-2019				87.13	3811.31
	1-Aug-2019				88.64	3809.80
	8-May-2019				88.75	3809.69
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-14	5-Feb-2020	414923.33	1514695.26	3841.90	29.30	3812.60
	8-Nov-2019				29.64	3812.26
	1-Aug-2019				30.10	3811.80
	8-May-2019				29.77	3812.13
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-15	6-Feb-2020	402001.22	1523552.04	3897.61	95.22	3802.39
	25-Nov-2019				96.40	3801.21
	5-Aug-2019				96.30	3801.31
	9-May-2019				96.00	3801.61
	21-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-16	6-Feb-2020	400628.77	1519350.74	3819.28	17.25	3802.03
	8-Nov-2019				18.44	3800.84
	5-Aug-2019				19.03	3800.25
	9-May-2019				19.25	3800.03
	20-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-17	6-Feb-2020	393991.97	1520267.94	3817.75	18.87	3798.88
	8-Nov-2019				18.18	3799.57
	2-Aug-2019				19.31	3798.44
	9-May-2019				20.17	3797.58
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-18 Vertical Delineation	6-Feb-2020	395714.14	1520588.96	3821.59	20.19	3801.40
	8-Nov-2019				20.00	3801.59
	2-Aug-2019				21.26	3800.33
	9-May-2019				23.49	3798.10
	20-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-19 Vertical Delineation	6-Feb-2020	400164.47	1522027.92	3864.50	63.98	3800.52
	7-Nov-2019				64.59	3799.91
	2-Aug-2019				64.79	3799.71
	9-May-2019				64.35	3800.15
	20-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-20	6-Feb-2020	371751.45	1531188.19	3833.27	53.54	3779.73
	7-Nov-2019				53.55	3779.72
	5-Aug-2019				54.55	3778.72
	9-May-2019				54.98	3778.29
	20-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-21	6-Feb-2020	374013.39	1530983.98	3839.62	57.02	3782.60
	8-Nov-2019				56.12	3783.50
	2-Aug-2019				57.76	3781.86
	9-May-2019				57.58	3782.04
	20-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-22	6-Feb-2020	373029.62	1530352.69	3827.14	46.29	3780.85
	8-Nov-2019				46.03	3781.11
	2-Aug-2019				47.00	3780.14
	9-May-2019				47.33	3779.81
	20-Feb-2019				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	5-Feb-2020	413958.29	1515697.17	3855.46	43.86	3811.60
	8-Nov-2019				43.33	3812.13
	1-Aug-2019				44.85	3810.61
	8-May-2019				44.23	3811.23
	19-Feb-2019				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 ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-24 Vertical Delineation	6-Feb-2020	400183.23	1522052.57	3864.91	67.10	3797.81
	7-Nov-2019				68.27	3796.64
	2-Aug-2019				67.44	3797.47
	9-May-2019				67.45	3797.46
	20-Feb-2019				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	6-Feb-2020	394560.83	1524599.12	3870.63	67.03	3803.60
	8-Nov-2019				66.11	3804.52
	2-Aug-2019				67.81	3802.82
	9-May-2019				67.73	3802.90
	20-Feb-2019				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				

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

Monitoring Well	Date Measured	Northing ^a	Easting ^a	Casing Elevation ^b	Depth to Water ^c	Ground Water Elevation ^b
DAD-26	6-Feb-2020	372513.58	1530789.76	3829.31	48.00	3781.31
	8-Nov-2019				47.83	3781.48
	2-Aug-2019				48.45	3780.86
	9-May-2019				49.18	3780.13
	20-Feb-2019				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:

^a Horizontal control to NM State Plane Coordinates Central NAD83 Grid Coordinates (in feet)

^b Vertical Control to NAVD88 Datum in feet above mean sea level

^c Measured in feet below the top of casing at survey point on north side of well

^d 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)
NORTHERN AREA						
Northern Land Application Area						
70-03	7-Feb-2020	7.66	8,733	20.4	8.37	64
	15-Nov-2019	6.52	9,236	20.7	2.08	131
	6-Aug-2019	6.86	10,460	21.7	NM	162
	16-May-2019	7.25	10,470	21.9	4.22	35
	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	7-Feb-2020	7.63	6,896	20.3	13.97	58
	15-Nov-2019	6.54	6,880	20.3	0.78	192
	7-Aug-2019	6.95	7,219	20.9	NM	145
	16-May-2019	7.73	7,135	21.4	2.81	72
	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	
86/340-01	7-Feb-2020	7.75	2,732	18.6	7.27	42
	15-Nov-2019	6.87	2,788	18.9	1.54	318
	7-Aug-2019	7.41	3,016	20.7	NM	197
	16-May-2019	7.68	2,775	20.5	3.09	97
	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	

**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)
Organ Dairy (Formerly known as Del Norte Dairy and Daybreak Dairy)						
126-04	10-Feb-2020	7.26	3,860	20.2	10.17	75
	12-Nov-2019	6.89	3,731	20.5	3.04	138
	5-Aug-2019	7.09	3,799	22.7	NM	195
	14-May-2019	6.84	3,648	21.8	1.39	144
	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
126-05	10-Feb-2020	7.40	5,362	20.3	4.99	83
	12-Nov-2019	6.84	5,678	19.2	2.88	119
	5-Aug-2019	7.12	5,341	23.2	NM	185
	14-May-2019	7.66	5,250	21.2	1.70	79
	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	7-Feb-2020	6.67	4,455	21.2	7.68	91
	12-Nov-2019	6.35	4,522	20.0	4.83	132
	5-Aug-2019	6.80	4,715	23.5	NM	205
	14-May-2019	7.16	4,588	22.8	1.28	86
	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	7-Feb-2020	7.56	1,219	22.3	7.46	16
	12-Nov-2019	7.53	1,238	19.3	5.21	28
	5-Aug-2019	6.91	1,397	NM	NM	255
	14-May-2019	7.83	1,293	23.2	1.99	66
	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	10-Feb-2020	7.46	3,070	19.5	4.80	20
	12-Nov-2019	6.76	3,181	18.5	1.14	106
	5-Aug-2019	7.10	3,415	21.7	NM	158
	14-May-2019	7.41	3,259	19.3	1.44	123
	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	
126-13	7-Feb-2020	7.21	5,039	20.6	9.59	103
	12-Nov-2019	6.61	5,106	20.1	4.62	37
	5-Aug-2019	6.79	5,480	22.8	NM	220
	14-May-2019	6.89	5,297	22.0	1.37	101
	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	

**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)	
Mountain View Dairy							
70-01	10-Feb-2020	7.26	4,429	21.4	1.06	69	
	15-Nov-2019	6.75	4,766	22.0	2.62	136	
	7-Aug-2019	7.01	5,108	22.7	NM	192	
	16-May-2019	6.49	4,229	23.6	3.47	88	
	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	
70-02	10-Feb-2020	7.52	4,540	21.9	0.83	112	
	12-Nov-2019	7.16	4,522	21.1	1.33	157	
	6-Aug-2019	7.17	4,872	24.7	NM	212	
	16-May-2019	7.84	4,765	23.6	5.72	80	
	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	10-Feb-2020	7.25	4,400	22.3	1.19	97	
	12-Nov-2019	6.61	4,309	21.4	1.18	113	
	6-Aug-2019	6.74	4,564	23.7	NM	236	
	16-May-2019	6.27	4,521	22.9	3.84	97	
	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	

**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)
Buena Vista Dairy I						
86-01	Jan-2011	Not Sampled Since January 2011				
86-02	Jan-2011	Not Sampled Since January 2011				
Bright Star Dairy						
340-01	7-Feb-2020	7.45	4,201	21.2	10.22	64
	12-Nov-2019	6.86	4,254	20.7	1.27	142
	6-Aug-2019	7.02	4,458	23.5	NM	158
	14-May-2019	7.12	4,360	22.5	2.23	87
	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	7-Feb-2020	7.21	4,706	22.1	3.96	66
	12-Nov-2019	6.97	4,783	20.7	3.41	174
	6-Aug-2019	6.98	4,770	25.6	NM	189
	14-May-2019	7.37	4,700	24.5	1.59	66
	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				
Dominguez 2 (Former D&J Dairy)						
42-02*	11-Feb-2020	7.60	3,705	18.0	2.08	71
	22-Nov-2019	6.80	3,672	19.8	6.50	177
	16-Aug-2019	6.94	3,606	20.4	6.35	44
	29-May-2019	6.96	3,866	20.8	4.23	256
	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

**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)
42-03*	11-Feb-2020	7.75	5,015	22.9	1.58	99
	22-Nov-2019	6.38	5,054	24.6	2.75	88
	16-Aug-2019	6.83	5,376	27.0	2.36	72
	30-May-2019	6.53	5,218	24.9	5.28	208
	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
	42-06*	12-Feb-2020	7.87	4,036	20.1	2.13
22-Nov-2019		7.18	3,830	20.2	5.70	112
16-Aug-2019		7.31	4,144	21.4	3.45	45
30-May-2019		7.17	3,631	21.3	4.11	206
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*		11-Feb-2020	Dry			
	16-Aug-2019	Dry				
	16-Aug-2019	Dry				
	29-May-2019	Dry				
	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*	12-Feb-2020	8.03	2,586	16.3	4.93	79	
	22-Nov-2019	7.27	2,751	21.7	6.39	135	
	16-Aug-2019	7.39	2,675	21.2	2.11	39	
	29-May-2019	7.58	2,106	21.1	4.09	192	
	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*	12-Feb-2020	7.31	2,389	25.8	4.85	118	
	25-Nov-2019	6.66	2,433	26.9	6.21	199	
	19-Aug-2019	6.83	2,488	27.5	6.25	138	
	30-May-2019	6.71	2,390	27.1	4.64	131	
	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		
42-11*	12-Feb-2020	7.62	1,903	26.0	1.88	143	
	25-Nov-2019	6.63	1,890	28.5	7.49	265	
	19-Aug-2019	7.18	1,933	25.8	4.00	134	
	30-May-2019	7.13	1,857	24.9	5.56	247	
	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		

**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)
42-12*	12-Feb-2020	7.65	1,850	27.7	5.06	138
	25-Nov-2019	7.21	1,866	28.4	7.58	184
	19-Aug-2019	7.47	1,940	25.1	5.14	136
	30-May-2019	7.38	1,940	25.7	6.10	270
	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
	42-13*	11-Feb-2020	7.63	5,220	21.2	1.65
22-Nov-2019		6.47	5,257	22.4	3.59	224
16-Aug-2019		Dry/Water Level Below Pump				
29-May-2019		Dry/Water Level Below Pump				
6-Mar-2019		7.32	4,217	20.0	4.43	156
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
Dominguez Dairy						
624-01	12-Feb-2020	7.35	3,009	19.3	2.20	101
	15-Nov-2019	6.68	3,415	21.1	2.44	149
	13-Aug-2019	7.00	3,849	22.1	2.84	83
	20-May-2019	6.48	4,521	21.1	3.48	162
	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	12-Feb-2020	7.36	3,206	19.8	3.12	126
	15-Nov-2019	6.52	3,629	20.0	1.70	134
	13-Aug-2019	6.81	4,463	20.6	1.33	118
	20-May-2019	6.35	4,262	20.2	4.11	153
	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-Jan-2020	Plugged and Abandoned				
	15-Nov-2019	Dry				
	13-Aug-2019	Dry				
	20-May-2019	Dry				
	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					
624-05	28-Jan-2020	Plugged and Abandoned				
	15-Nov-2019	6.85	2,962	21.2	3.12	137
	13-Aug-2019	7.45	3,044	24.4	2.96	97
	16-May-2019	7.66	2,901	21.5	3.07	83
	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					

**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)
624-06	28-Jan-2020	Plugged and Abandoned				
	15-Nov-2019	Dry				
	13-Aug-2019	Dry				
	20-May-2019	Dry				
	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				
	624-07	28-Jan-2020	Plugged and Abandoned			
15-Nov-2019		Dry				
13-Aug-2019		Dry				
20-May-2019		Dry				
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-Jan-2020	Plugged and Abandoned			
	15-Nov-2019	Dry				
	13-Aug-2019	Dry				
	16-May-2019	Dry				
	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				
	624-09	13-Feb-2020	7.70	3,180	19.3	2.93
624-10	13-Feb-2020	8.03	3,913	18.4	2.66	102
624-11	13-Feb-2020	7.49	4,506	20.3	1.69	102

**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)
Gonzalez Dairy						
177-01	13-Feb-2020	7.43	6,345	19.5	1.81	121
	19-Nov-2019	6.68	6,420	19.7	1.25	140
	7-Aug-2019	7.00	6,771	20.4	NM	212
	20-May-2019	6.38	6,638	19.1	2.36	154
	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	13-Feb-2020	7.87	3,271	19.7	2.20	100
	19-Nov-2019	7.05	3,204	19.8	0.79	104
	7-Aug-2019	7.55	2,142	20.7	NM	212
	20-May-2019	6.90	2,317	18.3	1.89	103
	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
177-03A	13-Feb-2020	7.34	3,645	21.7	2.45	109
	19-Nov-2019	6.40	3,577	21.7	0.76	178
	13-Aug-2019	7.00	4,324	22.3	1.80	192
	20-May-2019	6.45	3,895	21.6	1.45	114
	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

**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)
177-04	13-Feb-2020	7.62	4,610	21.3	1.52	122
	19-Nov-2019	6.74	4,632	21.4	2.86	180
	13-Aug-2019	7.01	4,987	22.0	1.50	159
	20-May-2019	6.61	4,952	21.6	4.11	232
	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
	177-05	13-Feb-2020	7.35	5,688	20.9	1.73
19-Nov-2019		6.71	5,904	22.2	6.32	246
13-Aug-2019		7.01	6,519	22.3	1.12	67
20-May-2019		6.76	6,249	22.0	4.25	247
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		13-Feb-2020	Dry			
	19-Nov-2019	Dry				
	13-Aug-2019	Dry				
	20-May-2019	Dry				
	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	13-Feb-2020	7.58	4,327	21.0	1.22	107
	19-Nov-2019	6.73	4,360	21.4	1.47	193
	7-Aug-2019	7.11	4,709	22.8	NM	234
	20-May-2019	6.66	4,663	22.0	3.19	314
	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	
CENTRAL AREA						
Buena Vista Dairy II						
74-01	14-Feb-2020	7.85	5,729	19.8	2.13	127
	19-Nov-2019	6.71	6,110	22.9	5.08	192
	14-Aug-2019	7.34	4,632	22.4	1.10	171
	21-May-2019	6.60	4,802	22.0	2.08	304
	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	
74-02	14-Feb-2020	7.43	3,780	20.0	3.14	126
	19-Nov-2019	6.82	4,182	22.5	8.73	223
	14-Aug-2019	7.10	3,666	22.2	1.36	271
	21-May-2019	6.90	3,723	20.2	2.19	313
	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	

**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)
74-03	14-Feb-2020	7.71	2,221	19.3	3.89	138
	19-Nov-2019	7.02	2,260	23.5	10.10	232
	14-Aug-2019	7.45	2,331	22.4	1.18	192
	21-May-2019	7.08	2,335	20.4	2.50	288
	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
	74-04	14-Feb-2020	7.46	3,235	21.6	2.12
20-Nov-2019		6.84	3,375	21.2	6.28	207
14-Aug-2019		7.01	3,600	22.8	1.30	163
21-May-2019		6.61	2,882	21.3	2.30	276
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		14-Feb-2020	7.20	3,231	21.5	4.91
	20-Nov-2019	6.80	3,216	21.4	6.01	67
	13-Aug-2019	7.03	3,353	22.7	0.71	-16
	21-May-2019	6.46	3,256	21.2	2.24	272
	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)
Big Sky Dairy						
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	17-Feb-2020	7.97	5,542	20.1	2.37	95
	21-Nov-2019	7.72	4,903	19.6	3.14	212
	14-Aug-2019	7.23	6,553	22.2	1.82	117
	22-May-2019	6.98	6,354	20.9	1.88	281
	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	
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	17-Feb-2020	7.71	3,778	20.8	2.30	89
	20-Nov-2019	7.00	4,257	21.0	10.93	278
	15-Aug-2019	7.04	5,007	21.3	0.97	114
	23-May-2019	6.44	4,367	21.3	1.64	292
	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	

**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)
833-05	17-Feb-2020	7.23	5,277	22.5	1.65	171
	20-Nov-2019	6.56	5,309	23.0	6.96	259
	15-Aug-2019	6.75	5,580	23.4	1.58	125
	22-May-2019	6.52	5,324	23.4	2.31	290
	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
	833-06	17-Feb-2020	7.30	4,057	20.3	2.76
20-Nov-2019		7.90	4,032	20.5	1.62	257
15-Aug-2019		6.97	4,289	22.0	3.45	120
23-May-2019		6.29	4,151	21.2	1.59	297
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		17-Feb-2020	7.27	5,366	21.5	2.23
	20-Nov-2019	6.78	5,340	21.2	7.61	254
	15-Aug-2019	6.91	5,534	22.1	1.23	105
	22-May-2019	6.71	5,492	22.3	1.75	304
	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	17-Feb-2020	7.60	4,602	22.1	2.12	115
	20-Nov-2019	6.70	4,451	22.2	2.49	250
	14-Aug-2019	6.93	4,719	23.3	1.40	136
	23-May-2019	6.29	4,567	22.2	2.12	273
	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	18-Feb-2020	7.45	4,521	20.9	2.83
21-Nov-2019		7.00	4,527	20.0	4.56	283
14-Aug-2019		7.11	4,764	21.6	0.71	89
22-May-2019		7.21	4,511	21.0	2.40	297
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
833-10		18-Feb-2020	7.51	3,974	19.2	1.89
	21-Nov-2019	6.50	3,921	19.7	5.82	235
	14-Aug-2019	7.31	4,002	20.2	0.63	125
	22-May-2019	6.74	3,907	19.3	2.28	307
	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

**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)	
Sunset/Desert Land Dairy							
257-01	18-Feb-2020	7.81	5,375	19.5	1.80	135	
	21-Nov-2019	6.77	5,461	20.7	1.78	226	
	6-Aug-2019	7.16	5,844	20.8	NM	174	
	21-May-2019	6.71	5,643	18.7	1.30	292	
	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	
257-02	18-Feb-2020	7.43	3,981	19.5	2.94	150	
	21-Nov-2019	6.86	3,928	20.8	4.14	246	
	6-Aug-2019	7.16	4,009	21.2	NM	198	
	21-May-2019	6.49	3,844	17.7	1.19	294	
	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	18-Feb-2020	7.22	4,041	17.8	2.38	121	
	21-Nov-2019	6.51	3,901	19.6	3.30	244	
	6-Aug-2019	6.80	4,514	23.8	NM	272	
	21-May-2019	Dry					
	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		

**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)
257/260-01	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
Las Cruces Community Farms (Former McAnally Enterprises)						
MW-4	6-Mar-2020	7.52	7,037	21.7	1.45	179
	26-Nov-2019	6.61	7,084	21.1	3.87	71
SOUTHERN AREA						
Del Oro Dairy						
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	19-Feb-2020	7.70	1,463	23.6	2.71	161
	2-Dec-2019	7.64	1,444	24.4	2.28	207
	15-Aug-2019	7.20	2,001	27.2	2.28	96
	29-May-2019	7.05	1,588	23.4	3.02	231
	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	19-Feb-2020	7.15	3,736	20.1	2.50	202
	2-Dec-2019	6.30	3,423	20.0	1.76	248
	15-Aug-2019	6.78	3,564	22.7	2.03	108
	29-May-2019	Dry				
	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*	19-Feb-2020	7.68	2,349	19.8	2.33	181
	2-Dec-2019	6.55	2,350	20.2	0.79	205
	16-Aug-2019	7.03	2,442	23.7	1.04	90
	29-May-2019	6.80	2,429	23.9	4.24	254
	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	18-Feb-2020	7.60	2,186	23.0	2.60
26-Nov-2019		6.91	2,230	19.7	9.98	184
15-Aug-2019		7.15	2,311	23.7	2.27	166
29-May-2019		6.71	2,230	23.6	4.37	293
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
692-07*		19-Feb-2020	7.89	2,504	17.1	3.45
	26-Nov-2019	7.16	2,597	19.5	4.35	227
	16-Aug-2019	7.51	2,625	24.1	3.75	-51
	29-May-2019	6.99	2,553	22.3	4.61	287
	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

**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)
692-08*	18-Feb-2020	7.52	2,196	22.8	1.20	133
	25-Nov-2019	7.14	2,610	19.1	4.10	224
	16-Aug-2019	6.98	2,188	23.5	2.94	184
	29-May-2019	6.69	2,160	21.8	5.38	264
	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
	692-09*	19-Feb-2020	7.75	2,234	17.6	2.84
2-Dec-2019		7.02	2,151	20.1	1.10	182
16-Aug-2019		7.14	2,241	23.2	2.32	91
29-May-2019		6.96	2,149	22.9	5.80	232
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
Anthony Waste Water Treatment Plant						
MW-1	Aug-2015	Parameters Not Collected				
MW-2	Aug-2015	Parameters Not Collected				
MW-3	Aug-2015	Parameters Not Collected				
ABATEMENT PLAN MONITOR WELLS						
DAD-01	21-Feb-2020	7.08	2,347	23.5	0.21	170
	3-Dec-2019	6.57	2,280	22.5	1.35	193
	19-Aug-2019	7.11	2,146	25.3	2.94	96
	22-May-2019	7.03	2,099	24.8	1.11	288
	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	21-Feb-2020	7.64	1,770	22.3	0.30	135
	4-Dec-2019	6.83	1,711	22.6	2.15	167
	19-Aug-2019	7.38	1,895	24.3	3.17	97
	22-May-2019	7.14	1,862	24.5	1.23	296
	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	21-Feb-2020	7.63	2,461	20.0	0.29	123
	4-Dec-2019	7.13	2,613	21.5	3.49	-40
	19-Aug-2019	7.30	2,731	22.4	1.49	-28
	22-May-2019	7.16	2,839	20.3	2.53	287
	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	
DAD-04	21-Feb-2020	7.81	2,752	18.1	0.27	46
	4-Dec-2019	7.08	3,000	19.3	2.45	-39
	19-Aug-2019	7.68	2,692	22.8	1.74	-47
	23-May-2019	6.69	2,739	19.0	1.33	213
	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	

**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-05	21-Feb-2020	7.66	2,603	17.3	0.25	87
	5-Dec-2019	7.31	2,334	19.6	2.50	137
	22-Aug-2019	7.53	2,838	20.2	2.88	85
	23-May-2019	6.84	3,379	17.1	2.06	286
	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
DAD-06	9-Mar-2020	Dry				
	4-Dec-2019	Dry				
	22-Aug-2019	Dry				
	28-May-2019	Dry				
	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	25-Feb-2020	6.93	3,220	23.0	0.50	181
	5-Dec-2019	6.41	3,142	23.2	1.91	136
	21-Aug-2019	6.84	3,261	25.6	3.19	224
	24-May-2019	6.51	3,153	24.4	2.44	308
	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	21-Feb-2020	7.36	7,094	20.4	0.44	81
	4-Dec-2019	6.57	7,007	20.3	6.32	167
	19-Aug-2019	6.98	7,181	22.1	2.93	72
	23-May-2019	6.38	7,905	21.9	2.21	288
	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	19-Feb-2020	7.13	2,836	22.1	2.03	171
	6-Dec-2019	6.82	1,262	22.4	1.69	255
	21-Aug-2019	6.84	4,602	23.8	3.43	122
	24-May-2019	6.15	4,669	23.5	1.71	282
	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
DAD-10	19-Feb-2020	7.52	2,444	19.0	2.13	175
	2-Dec-2019	6.79	2,077	19.8	1.85	151
	22-Aug-2019	7.18	2,209	21.3	1.86	196
	24-May-2019	6.71	2,160	21.6	2.36	302
	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

**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-11 Vertical Delineation	26-Feb-2020	7.67	3,989	20.0	0.47	131
	12-Dec-2019	6.59	3,885	21.0	3.05	255
	20-Aug-2019	7.00	4,409	22.4	2.10	129
	28-May-2019	6.69	4,318	21.5	1.44	291
	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
	DAD-12 Vertical Delineation	26-Feb-2020	7.35	5,306	21.0	0.22
3-Dec-2019		6.55	5,258	20.4	2.80	163
20-Aug-2019		6.80	5,755	22.8	1.30	198
28-May-2019		6.24	5,551	22.7	3.20	256
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		26-Feb-2020	7.55	3,100	22.7	0.50
	3-Dec-2019	6.48	2,966	20.8	4.82	183
	20-Aug-2019	6.86	3,547	24.5	1.91	148
	23-May-2019	6.54	3,281	23.8	1.28	302
	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	26-Feb-2020	7.55	4,463	20.5	0.42	109
	3-Dec-2019	6.86	4,601	20.6	2.60	176
	20-Aug-2019	7.24	4,907	22.3	1.24	159
	24-May-2019	6.76	4,954	21.1	2.88	304
	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	26-Feb-2020	7.44	3,030	23.9	0.93
5-Dec-2019		6.72	3,019	22.0	1.36	187
21-Aug-2019		6.80	3,390	25.0	4.24	214
24-May-2019		6.60	3,291	23.4	2.28	275
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
DAD-16		25-Feb-2020	7.34	2,946	17.5	0.19
	5-Dec-2019	7.04	3,197	18.7	2.36	150
	20-Aug-2019	7.28	3,297	19.6	0.92	164
	23-May-2019	6.70	3,048	18.3	1.88	255
	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

**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-17	25-Feb-2020	7.55	1,121	17.8	0.73	145
	5-Dec-2019	7.09	856.9	21.5	5.21	162
	21-Aug-2019	7.40	1,196	20.5	2.29	180
	23-May-2019	7.01	971.4	19.9	2.38	264
	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
	DAD-18 Vertical Delineation	25-Feb-2020	7.68	4,070	17.3	1.01
5-Dec-2019		6.74	3,955	18.2	3.58	173
20-Aug-2019		6.95	4,150	18.8	1.53	157
28-May-2019		6.61	3,984	18.8	2.08	293
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		25-Feb-2020	7.36	4,395	18.6	0.60
	4-Dec-2019	6.98	4,506	20.1	3.98	112
	20-Aug-2019	6.77	4,907	23.0	1.64	129
	28-May-2019	6.23	4,731	23.3	1.33	274
	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	19-Feb-2020	7.39	3,626	21.8	1.95	151
	2-Dec-2019	6.78	3,752	22.0	2.02	141
	21-Aug-2019	7.03	3,721	23.3	5.51	113
	28-May-2019	6.60	3,838	22.5	1.24	285
	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	19-Feb-2020	7.12	4,493	20.3	2.64
6-Dec-2019		6.42	4,622	21.5	2.43	188
21-Aug-2019		6.92	4,608	23.4	2.80	141
24-May-2019		6.34	4,382	22.4	1.30	284
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
DAD-22		19-Feb-2020	7.54	3,581	22.6	2.14
	6-Dec-2019	7.11	3,432	22.1	4.25	137
	21-Aug-2019	7.27	3,752	25.2	2.98	179
	24-May-2019	6.54	3,012	24.1	1.87	274
	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

**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-23	26-Feb-2020	7.62	2,043	21.4	0.61	119
	6-Dec-2019	7.34	2,911	21.4	3.70	165
	19-Aug-2019	7.45	2,614	24.2	2.91	103
	24-May-2019	7.03	2,511	22.9	2.71	293
	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
DAD-24 Vertical Delineation	25-Feb-2020	7.00	3,770	20.3	0.39	114
	4-Dec-2019	6.47	3,881	21.5	4.21	96
	20-Aug-2019	6.58	4,077	23.4	1.89	114
	28-May-2019	6.42	3,978	22.7	1.71	275
	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	26-Feb-2020	7.55	2,840	21.4	0.87	105
	6-Dec-2019	6.67	2,755	20.9	1.84	231
	22-Aug-2019	7.15	2,712	25.0	3.42	262
	28-May-2019	6.79	2,547	22.3	2.47	296
	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	19-Feb-2020	7.49	2,189	23.0	2.00	191
	6-Dec-2019	7.13	1,659	23.7	4.13	158
	21-Aug-2019	6.92	3,715	24.3	1.17	210
	28-May-2019	6.37	3,735	22.7	2.60	285
	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
 Red text indicates suspect result.

**TABLE 3. SUMMARY OF 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 HDPE	Cool to <6°C	48 hours
Nitrate + Nitrite as N	EPA 300.0	500 mL HDPE	H ₂ SO ₄ to pH <2, Cool to <6°C	28 days
Total Kjeldhal Nitrogen	SM 4500 NORG C	500 mL HDPE	H ₂ SO ₄ to pH <2, Cool to <6°C	28 days
Chloride	EPA 300.0	500 mL HDPE	Cool to <6°C	28 days
Total Dissolved Solids	SM 2540 C MOD	500 mL HDPE	Cool to <6°C	7 days
NOTES: °C = Degrees Celsius EPA = U.S. Environmental Protection Agency H ₂ SO ₄ = Sulfuric acid 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)
Abatement Plan Monitoring Wells						
Northern Portion						
DAD-01	21-Feb-20	13	<1.0	420	1,740	NA
	3-Dec-19	12	<2.0	360	1,500	NA
	19-Aug-19	12	<2.0	290	1,520	NA
	22-May-19	13	<2.0	300	1,420	NA
	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	21-Feb-20	8.9	<1.0	250	1,240	NA
	4-Dec-19	8.9	<2.0	260	1,180	NA
	19-Aug-19	8.3	<1.0	270	1,140	NA
	22-May-19	7.8	<1.0	280	1,220	NA
	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	
9-Dec-09	9.0	<1.0	440	1,920	NA	
NMED Split	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)	26-Feb-20	12	<2.0	670	2,690	NA
	12-Dec-19	13	<2.0	610	2,670	NA
	20-Aug-19	13	<2.0	690	2,820	NA
	28-May-19	13	<2.0	690	2,840	NA
	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	26-Feb-20	15	<2.0	1,200	3,660	NA
	3-Dec-19	20	<5.0	480	1,960	NA
	20-Aug-19	15	<2.0	1,200	3,700	NA
	28-May-19	15	<2.0	1,200	3,690	NA
	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	26-Feb-20	14	<2.0	580	1,960	NA
	3-Dec-19	16	<2.0	1,100	3,640	NA
	20-Aug-19	11	<2.0	640	2,170	NA
	24-May-19	12	<2.0	590	2,130	NA
	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	26-Feb-20	20	<2.0	820	3,020	NA
	3-Dec-19	20	<5.0	730	3,060	NA
	20-Aug-19	21	<5.0	820	3,140	NA
	24-May-19	22	<5.0	860	3,260	NA
	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	
DAD-23	26-Feb-20	22	<5.0	350	1,570	NA
	6-Dec-19	18	<2.0	540	2,410	NA
	19-Aug-19	17	<2.0	540	2,220	NA
	24-May-19	19	<2.0	390	1,960	NA
	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	
NMQCC Standard		10	NA	250	1,000	600
Existing Conditions		NA	NA	1,015	3,178	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)	
Central Portion							
DAD-03	21-Feb-20	<1.0	<5.0	300	2,090	NA	
	4-Dec-19	<1.0	<2.0	320	1,880	NA	
	19-Aug-19	<1.0	2.5	330	2,140	NA	
	22-May-19	<1.0	3.6	390	2,050	NA	
	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	21-Feb-20	<1.0	<1.0	320	1,950	NA
	4-Dec-19	<1.0	<1.0	330	2,020	NA
	19-Aug-19	<1.0	<1.0	320	1,770	NA
	23-May-19	<1.0	<2.0	330	1,720	NA
	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	21-Feb-20	<1.0	<1.0	390	2,030	NA
	5-Dec-19	<1.0	<1.0	260	1,550	NA
	22-Aug-19	<1.0	1.3	400	1,930	NA
	23-May-19	1.9	1.3	460	2,190	NA
	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	4-Dec-19					Dry	
	12-Aug-19					Dry	
	28-May-19					Dry	
	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	25-Feb-20	14	<2.0	570	2,190	NA
	5-Dec-19	13	<2.0	520	2,140	NA
	21-Aug-19	13	<2.0	560	2,190	NA
	24-May-19	12	<2.0	540	2,140	NA
	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	21-Feb-20	40	<5.0	1,800	4,930	NA
	4-Dec-19	43	<1.0	1,800	4,920	NA
	19-Aug-19	39	<5.0	1,800	5,270	NA
	23-May-19	47	<5.0	1,800	5,540	NA
	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	26-Feb-20	11	<2.0	610	2,010	NA
	5-Dec-19	9.8	1.4	520	2,010	NA
	21-Aug-19	13	<1.0	610	2,180	NA
	24-May-19	9.9	<2.0	580	2,160	NA
	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	25-Feb-20	<1.0	<1.0	400	1,950	NA
	5-Dec-19	<1.0	<1.0	470	2,130	NA
	20-Aug-19	<1.0	<2.0	480	2,100	NA
	23-May-19	<1.0	<2.0	420	2,010	NA
	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	25-Feb-20	<1.0	<1.0	71	554	NA
	5-Dec-19	1.5	<1.0	65	582	NA
	21-Aug-19	4.9	<1.0	120	785	NA
	23-May-19	1.3	<2.0	74	650	NA
	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	25-Feb-20	9.3	<1.0	660	2,690	NA
	5-Dec-19	8.7	<1.0	570	2,620	NA
	20-Aug-19	10	<2.0	650	2,640	NA
	28-May-19	9.5	<2.0	650	2,620	NA
	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	25-Feb-20	33	<5.0	940	3,020	NA
	4-Dec-19	35	<1.0	1,000	3,110	NA
	20-Aug-19	46	<5.0	1,000	3,170	NA
	28-May-19	41	<5.0	1,000	3,090	NA
	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	25-Feb-20	5.5	<1.0	920	2,510	NA
	4-Dec-19	6.2	<1.0	950	2,550	NA
	20-Aug-19	5.8	<1.0	950	2,630	NA
	28-May-19	6.1	<1.0	980	2,590	NA
	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	26-Feb-20	7.6	<2.0	760	2,100	NA
	6-Dec-19	7.0	<2.0	640	1,800	NA
	22-Aug-19	5.6	<2.0	600	1,830	NA
	28-May-19	5.5	<5.0	600	1,790	NA
	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	
NMQCC Standard		10	NA	250	1,000	600
Existing Conditions		NA	NA	1,781	5,328	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)
Southern Portion						
DAD-09 Perched Aquifer	19-Feb-20	72	<5.0	610	2,230	NA
	6-Dec-19	40	<5.0	250	1,340	NA
	21-Aug-19	120	<2.0	890	3,380	NA
	24-May-19	120	<5.0	900	3,410	NA
	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	19-Feb-20	1.5	<1.0	380	1,480	NA
	2-Dec-19	1.7	<2.0	390	1,380	NA
	22-Aug-19	1.7	<2.0	390	1,330	NA
	24-May-19	1.7	<5.0	390	1,670	NA
	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	
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

**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-20 Perched Aquifer	19-Feb-20	34	<5.0	820	2,470	NA
	2-Dec-19	36	<5.0	790	2,430	NA
	21-Aug-19	40	<2.0	780	2,500	NA
	28-May-19	37	<5.0	850	2,600	NA
	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	19-Feb-20	110	<5.0	950	3,430	NA
	6-Dec-19	110	<5.0	770	3,200	NA
	21-Aug-19	86	<1.0	880	3,040	NA
	24-May-19	87	<5.0	860	2,920	NA
	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	19-Feb-20	11	<2.0	870	2,340	NA	
	6-Dec-19	6.7	<5.0	780	2,360	NA	
	21-Aug-19	17	<1.0	840	2,390	NA	
	24-May-19	20	<2.0	770	2,320	NA	
	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	19-Feb-20	16	<2.0	480	1,680	NA
	6-Dec-19	1.8	<5.0	300	1,060	NA
	21-Aug-19	43	<1.0	700	2,410	NA
	28-May-19	41	<5.0	730	2,360	NA
	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	
NMWQCC Standard		10	NA	250	1,000	600
Existing Conditions		NA	NA	503	2,552	NA
<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)
Northern Area					
Northern Land Application Area					
70-03	7-Feb-20	50	<1.0	2,400	6,080
	15-Nov-19	48	<5.0	2,200	6,350
	6-Aug-19	53	<2.0	2,800	6,810
	16-May-19	50	<5.0	3,100	6,850
	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	7-Feb-20	22	<5.0	1,700	4,590
	15-Nov-19	22	<1.0	1,500	4,660
	7-Aug-19	23	<5.0	1,700	4,720
	16-May-19	23	<5.0	1,800	4,720
	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	7-Feb-20	4.7	<1.0	230	1,990
	15-Nov-19	5.0	<1.0	210	2,010
	7-Aug-19	5.9	<1.0	240	1,940
	16-May-19	7.5	<1.0	260	1,930
	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)
Organ Dairy (Formerly known as Del Norte Dairy and Daybreak Dairy)					
126-04	10-Feb-20	25	<5.0	680	2,580
	12-Nov-19	26	<5.0	670	2,600
	5-Aug-19	23	<5.0	620	2,420
	14-May-19	22	<5.0	630	2,400
	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	10-Feb-20	13	<2.0	900	3,800
	12-Nov-19	15	<2.0	930	3,860
	5-Aug-19	16	<2.0	750	3,490
	14-May-19	17	<2.0	800	3,520
	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	7-Feb-20	28	<5.0	780	3,230
	12-Nov-19	28	<5.0	770	3,150
	5-Aug-19	29	<5.0	800	3,150
	14-May-19	28	<5.0	790	3,110
	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	7-Feb-20	Not Sampled - insufficient water to sample			
	12-Nov-19	<1.0	<1.0	150	824
	5-Aug-19	1.1	<2.0	200	898
	14-May-19	<1.0	<2.0	160	815
	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	10-Feb-20	2.8	<1.0	310	2,100
	12-Nov-19	8.3	<1.0	350	2,200
	5-Aug-19	13	<2.0	370	2,270
	14-May-19	8.1	<2.0	350	2,180
	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	7-Feb-20	34	<5.0	880	3,640
	12-Nov-19	32	<5.0	830	3,730
	5-Aug-19	32	<5.0	900	3,790
	14-May-19	36	<5.0	970	3,570
	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)
Mountain View Dairy					
70-01	10-Feb-20	28	<5.0	770	3,210
	15-Nov-19	29	<5.0	770	3,460
	7-Aug-19	31	<5.0	850	3,450
	16-May-19	34	<5.0	850	3,370
	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	10-Feb-20	33	<5.0	810	2,980
	12-Nov-19	33	<5.0	780	2,930
	6-Aug-19	35	<2.0	830	2,980
	16-May-19	36	<5.0	840	2,960
	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	10-Feb-20	37	<5.0	670	3,190
	12-Nov-19	42	<5.0	640	3,020
	6-Aug-19	38	<2.0	640	2,940
	16-May-19	27	<5.0	680	3,020
	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	

**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)
Buena Vista Dairy I					
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
Bright Star Dairy					
340-01	7-Feb-20	46	<5.0	560	2,850
	12-Nov-19	46	<5.0	560	2,920
	6-Aug-19	48	<2.0	590	2,830
	14-May-19	49	<5.0	610	2,990
	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	7-Feb-20	75	<5.0	760	3,280	
	12-Nov-19	68	<5.0	750	3,230	
	6-Aug-19	68	<1.0	720	2,990	
	14-May-19	66	<5.0	770	3,050	
	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)
Former D&J Dairy (Dominguez 2)					
42-02	11-Feb-20	10	<2.0	490	2,680
	22-Nov-19	9.1	<1.0	430	2,620
	16-Aug-19	9.3	<1.0	420	2,440
	29-May-19	7.4	<1.0	470	2,750
	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	11-Feb-20	26	<5.0	1,200	3,370
	22-Nov-19	29	<1.0	1,000	3,380
	16-Aug-19	34	<1.0	1,200	3,420
	30-May-19	30	<5.0	1,200	3,380
	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	12-Feb-20	150	<5.0	470	2,850
	22-Nov-19	180	<1.0	360	2,760
	16-Aug-19	150	<1.0	440	2,740
	30-May-19	140	<5.0	350	2,540
	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	11-Feb-20				Dry
	22-Nov-19				Dry
	16-Aug-19				Dry
	29-May-19				Dry
	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
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	12-Feb-20	40	<5.0	240	1,830	
	22-Nov-19	35	<1.0	290	2,000	
	16-Aug-19	42	<1.0	290	1,920	
	29-May-19	60	<5.0	130	1,410	
	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	43	1,030	
	6-Mar-17	36.8	<0.300	41	1,200	
	28-Nov-16	37.0	<0.300	43	1,160	
	31-Aug-16	40.6	<0.937	53	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	12-Feb-20	1.2	<1.0	370	1,490
42-10	25-Nov-19	0.84	<1.0	370	1,550
42-10	19-Aug-19	<1.0	<1.0	400	1,540
42-10	30-May-19	<1.0	<1.0	390	1,470
42-10	6-Mar-19	<1.0	<1.0	370	1,410
42-10	4-Dec-18	<1.0	<1.0	410	1,410
42-10	22-Aug-18	<1.0	<1.0	370	1,390
42-10	30-May-18	0.21	<1.0	380	1,360
42-10	19-Feb-18	<1.0	<1.0	400	1,390
42-10	4-Dec-17	0.592	<0.300	380	1,300
42-10	23-Aug-17	0.469	<0.300	396	1,350
42-10	2-Jun-17	0.429	1.23	405	1,300
42-10	6-Mar-17	0.542	<0.300	403	1,270
42-10	29-Nov-16	1.45	<0.300	425	1,380
42-10	1-Sep-16	<0.305	<0.937	414	1,370
42-10	1-Jun-16	0.354	<2.24	425	1,520
42-10	23-Feb-16	<0.0610	<1.18	459	1,460
42-10	1-Dec-15	0.165	<1.18	439	1,300
42-10	25-Aug-15	<0.194	<1.18	436	1,440
42-10	18-May-15	1.07	<1.18	471	1,360
42-10	27-Feb-15	0.947	<1.80	439	1,520
42-10	19-Nov-14	1.08	11.9	441	1,340
42-10	26-Aug-14	1.08	<1.80	410	1,340
42-10	22-May-14	1.25	<1.80	457	1,420
42-10	26-Feb-14	0.982	<1.66	416	1,400
42-10	26-Nov-13	1.10	2.10	435	1,420
42-10	20-Aug-13	0.991	9.10	423	1,540
42-10	14-May-13	0.976	<1.66	395	1,400
42-10	15-Feb-13	<0.246	<1.72	415	1,380
42-10	9-Nov-12	<0.0290	<1.72	397	1,350
42-10	8-Aug-12	0.186	<1.72	403	1,328
42-10	1-May-12	0.236	<1.72	363	1,260
42-10	16-Feb-12	<0.500	<2.17	419	1,440
42-10	8-Nov-11	<0.500	<2.17	425	1,510
42-10	2-Aug-11	<0.500	<2.17	469	1,540
42-10	25-Apr-11	<0.500	<2.17	453	1,500
42-10	28-Jan-11	2.15	<2.17	345	1,280
42-10	1-Oct-10	0.220	<10.0	360	1,450
42-10	27-Jun-10	<0.50	<1.0	420	1,490
42-10	6-Mar-10	0.23	<0.3	440	1,500
42-10	16-Jan-10	<0.03	<0.3	430	1,435
42-10	15-Sep-09	0.16	<0.3	400	1,425
42-10	3-Jun-09	0.21	<0.2	450	1,535
42-10	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	12-Feb-20	1.3	<1.0	290	1,220
	25-Nov-19	1.4	<1.0	310	1,200
	19-Aug-19	1.2	<1.0	280	1,200
	30-May-19	1.3	<1.0	280	1,180
	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	12-Feb-20	1.3	<1.0	330	1,160
	25-Nov-19	1.1	<1.0	350	1,170
	19-Aug-19	<1.0	<1.0	330	1,170
	30-May-19	1.0	<1.0	320	1,180
	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	11-Feb-20	41	<5.0	990	3,520
	22-Nov-19	33	<1.0	1,000	3,570
	16-Aug-19	Not Sampled - Water level below pump			
	29-May-19	Not Sampled - Water level below pump			
	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)
Dominguez					
624-01	12-Feb-20	8.7	<1.0	510	2,050
	15-Nov-19	13	<2.0	550	2,190
	13-Aug-19	9.2	<1.0	660	2,390
	20-May-19	12	<2.0	910	2,860
	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	12-Feb-20	4.4	<1.0	480	2,210
	15-Nov-19	5.2	<1.0	530	2,470
	13-Aug-19	7.7	<1.0	790	2,860
	20-May-19	7.4	<1.0	770	2,860
	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-Jan-20	Plugged and Abandoned			
	15-Nov-19	Dry			
	13-Aug-19	Dry			
	20-May-19	Dry			
	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-Jan-20	Plugged and Abandoned			
	15-Nov-19	11	<2.0	320	1,900
	13-Aug-19	8.1	<1.0	380	1,970
	16-May-19	7.7	<5.0	370	1,850
	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-Jan-2020	Plugged and Abandoned			
	15-Nov-19	Dry			
	13-Aug-19	Dry			
	20-May-19	Dry			
	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-Jan-20	Plugged and Abandoned			
	15-Nov-19	Dry			
	13-Aug-19	Dry			
	20-May-19	Dry			
	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-Jan-20	Plugged and Abandoned			
	15-Nov-19	Dry			
	13-Aug-19	Dry			
	16-May-19	Dry			
	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	
624-09	13-Feb-20	<1.0	<2.0	320	2,130
624-10	13-Feb-20	4.2	8.7	450	2,720
624-11	13-Feb-20	9.2	7.0	910	3,650

**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)
Gonzalez					
177-01	13-Feb-20	14	<2.0	1,400	4,240
	19-Nov-19	13	<2.0	1,300	4,210
	7-Aug-19	16	<2.0	1,500	4,260
	20-May-19	18	<2.0	1,600	4,230
	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	13-Feb-20	20	<5.0	810	2,990
177-02	19-Nov-19	14	<2.0	460	5,340
177-02	7-Aug-19	7.7	<1.0	290	1,590
177-02	20-May-19	9.8	<2.0	380	1,800
177-02	27-Feb-19	15	<2.0	580	2,380
177-02	15-Nov-18	7.3	<1.0	280	1,590
177-02	21-Aug-18	15	2.2	590	2,480
177-02	22-May-18	4.7	<1.0	200	1,460
177-02	14-Feb-18	7.4	<1.0	330	1,940
177-02	10-Nov-17	7.89	0.901	247	1,820
177-02	14-Aug-17	24.5	<0.0500	1,050	3,300
177-02	22-May-17	27.4	<0.0501	1,010	3,090
177-02	22-Feb-17	25.0	0.389	911	2,960
177-02	10-Nov-16	20.4	1.14	894	2,800
177-02	23-Aug-16	21.9	<0.937	967	2,980
177-02	20-May-16	22.1	<2.24	798	3,040
177-02	11-Feb-16	24.4	<1.18	847	2,820
177-02	11-Nov-15	20.3	<1.18	824	2,800
177-02	21-Aug-15	18.2	<1.18	797	2,840
177-02	13-May-15	17.3	1.40	923	2,980
177-02	12-Feb-15	17.5	<1.80	835	3,160
177-02	14-Nov-14	16.3	<1.80	931	2,930
177-02	18-Aug-14	17.1	<1.80	864	2,810
177-02	16-May-14	43.0	<1.80	803	2,980
177-02	21-Feb-14	67.9	<1.66	725	3,180
177-02	18-Nov-13	111	2.80	682	3,150
177-02	13-Aug-13	30.7	4.20	794	3,020
177-02	15-May-13	27.6	<1.66	910	3,000
177-02	19-Feb-13	29.3	<1.72	902	3,100
177-02	13-Nov-12	35.8	<1.72	870	3,320
177-02	13-Aug-12	47.4	7.70	899	3,650
177-02	26-Apr-12	36.0	<1.72	881	2,960
177-02	6-Feb-12	37.0	<2.17	958	3,320
177-02	3-Nov-11	32.7	<2.17	971	3,450
177-02	3-Aug-11	34.4	2.80	997	3,340
177-02	4-May-11	38.1	2.52	1,050	3,580
177-02	25-Jan-11	31.6	3.36	1,050	3,640
177-02	20-Sep-10	78.0	<10.0	964	3,630
177-02	29-Jun-10	58	<1.0	1,000	3,830
177-02	28-Apr-10	60	<5.0	1,100	3,860
177-02	20-Jan-10	59	<5.0	1,200	4,020
177-02	21-Oct-09	50	<5.0	1,200	4,000
177-02	7-Jul-09	56	<5.0	1,300	4,000
177-02	6-May-09	52	<5.0	1,200	4,000
177-02	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	13-Feb-20	12	<2.0	580	2,600
	19-Nov-19	12	<2.0	550	2,650
	13-Aug-19	14	<2.0	670	2,800
	20-May-19	15	<2.0	690	2,670
	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	13-Feb-20	13	3.9	810	3,110
	19-Nov-19	12	<2.0	710	3,080
	13-Aug-19	14	<2.0	830	3,210
	20-May-19	14	<2.0	840	3,200
	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	13-Feb-20	25	<5.0	1,300	3,810
	19-Nov-19	27	<5.0	1,200	3,900
	13-Aug-19	24	<5.0	1,400	4,180
	20-May-19	30	<5.0	1,400	4,080
	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	13-Feb-20				Dry	
	19-Nov-19				Dry	
	13-Aug-19				Dry	
	8-May-19				Dry	
	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	13-Feb-20	21	<5.0	770	2,890
	19-Nov-19	20	<5.0	680	2,830
	7-Aug-19	22	<5.0	790	3,000
	20-May-19	23	<5.0	850	3,030
	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	
NMWQCC Standard		10	NA	250	1,000
Existing Conditions		NA	NA	1,015	3,178

**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)
Central Area					
Buena Vista Dairy II					
74-01	14-Feb-20	72	<5.0	1,200	4,050
	19-Nov-19	68	<5.0	1,100	3,960
	14-Aug-19	24	<5.0	820	2,910
	21-May-19	39	<5.0	850	3,110
	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	14-Feb-20	43	<5.0	640	2,540
	19-Nov-19	37	<5.0	640	2,630
	14-Aug-19	38	<5.0	560	2,310
	21-May-19	37	<5.0	600	2,380
	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	14-Feb-20	<1.0	<2.0	260	1,510
	19-Nov-19	<1.0	<2.0	230	1,550
	14-Aug-19	<1.0	<2.0	260	1,520
	21-May-19	<1.0	<1.0	260	1,390
	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	14-Feb-20	12	<2.0	600	2,120
	20-Nov-19	12	<2.0	630	2,180
	14-Aug-19	11	<2.0	640	2,250
	21-May-19	15	<2.0	490	1,890
	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	14-Feb-20	14	<2.0	600	2,050
	20-Nov-19	14	<2.0	540	2,080
	13-Aug-19	14	<2.0	580	2,100
	21-May-19	15	<2.0	580	2,160
	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)	
Big Sky Dairy						
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	17-Feb-20	63	<5.0	1,200	3,790
	21-Nov-19	100	<5.0	1,000	3,520
	14-Aug-19	65	<5.0	1,400	4,240
	22-May-19	68	<5.0	1,400	4,230
	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	17-Feb-20	20	<5.0	720	2,450
	20-Nov-19	31	<5.0	840	2,800
	15-Aug-19	40	<1.0	980	3,170
	23-May-19	29	<5.0	800	2,800
	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	17-Feb-20	46	<5.0	1,300	3,620
	20-Nov-19	35	<5.0	1,300	3,500
	15-Aug-19	41	<1.0	1,300	3,600
	22-May-19	29	<5.0	1,300	3,430
	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	17-Feb-20	19	<2.0	870	2,700
	20-Nov-19	43	<5.0	810	2,660
	15-Aug-19	47	<1.0	880	2,760
	23-May-19	47	<5.0	840	2,740
	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	17-Feb-20	68	<5.0	1,100	3,440
	20-Nov-19	74	<5.0	1,100	3,680
	15-Aug-19	74	<1.0	1,100	3,630
	22-May-19	69	<5.0	1,100	3,760
	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	17-Feb-20	49	<5.0	990	3,110
	20-Nov-19	43	<5.0	850	2,930
	14-Aug-19	46	<1.0	880	3,010
	23-May-19	43	<5.0	900	2,980
	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	18-Feb-20	36	<5.0	800	3,100
	21-Nov-19	33	<5.0	750	3,110
	14-Aug-19	32	<5.0	790	3,030
	22-May-19	26	<5.0	790	2,930
	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	18-Feb-20	<1.0	1.1	680	2,630
	21-Nov-19	1.5	<1.0	630	2,630
	14-Aug-19	2.0	<1.0	660	2,560
	22-May-19	1.8	<1.0	640	2,560
	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)
Sunset/Desert Land Dairy					
257-01	18-Feb-20	31	<5.0	890	3,640
	21-Nov-19	35	<5.0	800	3,720
	6-Aug-19	43	<5.0	910	3,740
	21-May-19	41	<5.0	890	3,800
	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	18-Feb-20	7.1	<1.0	710	2,680
	21-Nov-19	5.3	<1.0	620	2,690
	6-Aug-19	9.3	<2.0	650	2,590
	21-May-19	10	<1.0	620	2,480
	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	18-Feb-20	16	2.2	660	2,730
	21-Nov-19	4.4	1.8	570	2,640
	6-Aug-19	5.9	2.2	750	2,900
	21-May-19	Dry			
	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	
Las Cruces Community Farms (Former McAnally Enterprises)					
MW-4	6-Mar-20	<1.0	<2.0	1,600	4,620
	26-Nov-19	0.39	<1.0	1,400	4,800
	19-Jun-18	4.6	<1.0	1,200	980
	21-Jul-15	1.6	<1	1,900	5,300
	9-Jun-15	1.5	<1.0	1,900	5,100
	13-Mar-09	3.5	<0.5	2,110	5,686
NMWQCC Standard		10	NA	250	1,000
Existing Conditions		NA	NA	1,781	5,328

**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)
Southern Area					
Del Oro Dairy					
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)	19-Feb-20	<1.0	<1.0	270	882
	2-Dec-19	<1.0	<1.0	260	890
	15-Aug-19	2.2	<1.0	380	1,210
	29-May-19	2.5	<1.0	290	964
	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	

**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)
692-03	30-Mar-10	Plugged and Abandoned			
	4-May-09				
692-04 (Perched)	19-Feb-20	49	<5.0	680	2,460
	2-Dec-19	48	<5.0	610	2,450
	15-Aug-19	29	4.80	600	2,230
	29-May-19	Dry			
	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)	19-Feb-20	14	<2.0	420	1,780
	2-Dec-19	13	<2.0	390	1,510
	16-Aug-19	12	<2.0	420	1,570
	29-May-19	13	<2.0	420	1,600
	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)	18-Feb-20	3.2	<1.0	420	1,400
	26-Nov-19	4.0	<1.0	420	1,490
	15-Aug-19	3.8	<1.0	420	1,440
	29-May-19	3.3	<1.0	400	1,430
	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)	19-Feb-20	Not Sampled - insufficient water to sample			
	26-Nov-19	3.4	<1.0	570	1,650
	16-Aug-19	3.9	<1.0	540	1,700
	29-May-19	3.1	<1.0	560	1,690
	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)	18-Feb-20	3.9	<1.0	430	1,380
	25-Nov-19	1.8	<1.0	360	1,350
	16-Aug-19	1.2	<1.0	390	1,340
	29-May-19	2.8	<1.0	410	1,380
	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)	19-Feb-20	Not Sampled - insufficient water to sample			
	2-Dec-19	6.4	<1.0	350	1,420
	16-Aug-19	5.4	<1.0	380	1,410
	29-May-19	3.9	<1.0	390	1,390
	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	
NMWQCC Standard		10	NA	250	1,000
Existing Conditions		NA	NA	503	2,552
NOTES:					
Data suspect					
mg/l = milligrams per liter					
ND = Non-detect					
NMWQCC = New Mexico Water Quality Control Commission					
TDS = Total dissolved solids					
TKN = Total Kjeldahl nitrogen					
Highlight is at or above NMWQCC Standard					
Highlight is at or above relevant existing conditions value					

**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)
NORTHERN AREA											
Northern Land Application Area (Mountain View)											
LRG-457 (Irrigation Wells)	unknown	200	300	9	12	20-Feb-20	6.8	<1.0	1,100	3,060	NS
						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
Organ Dairy (Former Daybreak Dairy and Del Norte Dairy)											
LRG-458 S	260-300	300				20-Feb-20	11	<2.0	1,200	3,280	NS
						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
Mountain View Dairy											
LRG-00952 (Dairy Parlor)	unknown	240	1000	24 20 days/mo	12	20-Feb-20	3.9	<1.0	760	2,370	NS
						25-Feb-19	3.6	<1.0	760	2,330	NS
						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

**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)
Buena Vista Dairy I											
LRG-05117	unknown	250				6-May-09	13	<2.0	1,000	2,900	NS
Bright Star Dairy											
LUDWIG Irrig Well	unknown	unknown				27-Mar-13	0.175	<0.00501	NS	NS	NS
LRG-00953	unkown	300	300	9	12	20-Feb-20	14	<2.0	910	2,750	NS
						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
Former D&J Dairy (Dominguez 2)											
LRG-956	unknown	330	180	18	12	20-Feb-20	2.7	<1.0	480	1,770	NS
						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

**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)
Dominguez											
LRG-00591-S	150-250	250	280	15	12	20-Feb-20	11	<2.0	780	2,430	NS
LRG-00591-S-2	185-245	245				28	<1.0	490	1,710	NS	
LRG-00591-S	150-250	250				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				9-Nov-11	NS	NS	NS	NS	232
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-00591-S	150-250	250									
LRG-00591-S-2	185-245	245									
LRG-00590-S-6 (Irrigation well)	unknown	234	1500	24	8 months 16 days/month	21-Mar-20	12	<2.0	730	2,340	NS
						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
Gonzalez											
LRG-05351-S	204-263	263	125	24	12	20-Feb-20	8.6	<1.0	640	2,150	NS
						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)
CENTRAL AREA											
Buena Vista Dairy II											
LRG-01876	unkown	335	250	10.5	12	20-Feb-20	1.6	<1.0	360	1,440	NS
						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
Big Sky Dairy											
LRG-4116	unkown	120	300	12	12	20-Feb-20	<1.0	<1.0	420	1,560	NS
						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
Sunset/Desert Land Dairy											
Sunset - LRG-3348-AS	340-380	380	300	9	12	20-Feb-20	5.1	<1.0	640	2,150	NS
						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	20-Feb-20	<1.0	<1.0	360	1,390	NS
						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 - 2020
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Groundwater Concentration Trend			Comments
	Nitrate	Chloride	TDS	
NORTHERN AREA				
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	Stable	Stable	Stable	Well is located at the upgradient edge of Dona Ana Dairies. Concentrations 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	Nitrate, chloride, and TDS are expected to stabilize over time now that lagoon is synthetically lined. Well is not located along the margins of the abatement plan area.
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.
126-07	Increasing	Stable	Increasing	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	Nitrate is below the standard.
126-12	Stable	Decreasing	Stable	Nitrate is below standard. Chloride and TDS are below existing conditions.
126-13	Increasing	Increasing	Increasing	Well is located at the upgradient edge of Dona Ana Dairies. Concentrations stabilizing since LAA was phased out. Nitrate is above the standard.
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.
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 generally 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.
340-02	Stable	Decreasing	Stable	Concentrations are stable. Well is located downgradient of lagoon. Concentrations are expected to decrease now that the lagoon is synthetically lined.
Dominguez 2 Dairy (DP-42)				
42-02	Decreasing	Increasing	Increasing	Nitrate concentrations are generally below the standard. TDS and Chloride concentration are below existing conditions. Chloride and TDS 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 lagoons and LAA have been removed. TDS and chloride are above existing conditions; however, they both have stable or decreasing trends.
42-06	Increasing	Decreasing	Stable	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	---	---	---	Well was destroyed in 2015.
42-10	Stable	Decreasing	Stable	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	Decreasing	Well located along eastern margin of abatement plan area. Nitrate is below standard. Chloride and TDS are below existing conditions.
42-13	Decreasing	Stable	Stable	Chloride is below existing conditions.

**TABLE 7. SUMMARY OF TREND ANALYSES 2009 - 2020
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Groundwater Concentration Trend			Comments
	Nitrate	Chloride	TDS	
Dominguez Dairy (DP-624)				
624-01	Stable	Decreasing	Decreasing	
624-02	Decreasing	Decreasing	Decreasing	Nitrate is below the standard. Chloride and TDS is below existing conditions.
624-04	---	---	---	Well has been dry since 2011. Plugged and abandoned in 2020.
624-05	Stable	Decreasing	Decreasing	Nitrate is generally below the standard. Plugged and abandoned in 2020.
624-06	---	---	---	Well has been dry since 2013. Plugged and abandoned in 2020.
624-07	---	---	---	Well has been dry since 2011. Plugged and abandoned in 2020.
624-08	---	---	---	Well has been dry since 2011. Plugged and abandoned in 2020.
Gonzalez Dairy (DP-177)				
177-01	Decreasing	Increasing	Increasing	Nitrate is above the standard but is decreasing. Above existing conditions for TDS and chloride. Dairy is no longer in operation.
177-02	Decreasing	Decreasing	Decreasing	Nitrate fluctuates above and below the standard. Chloride and TDS are generally below existing conditions. Dairy is no longer in operation.
177-03A	Stable	Decreasing	Stable	Nitrate is above the standard. Dairy is no longer in operation.
177-04	Decreasing	Decreasing	Decreasing	Nitrate is above the standard but is expected to continue decreasing now that the lagoon is lined. Dairy is no longer in operation.
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	Decreasing	Stable	Nitrate is above the standard but is stable. TDS and chloride are below existing conditions. Well is located at southern margin of the abatement area.
Abatement Plan Monitor Wells				
DAD-01	Increasing	Decreasing	Decreasing	Well located along eastern margin of abatement plan area.
DAD-02	Increasing	Stable	Decreasing	Well located to the south-southeast of the abatement area. Nitrate has been below standard for the last year. Chloride and TDS are below existing conditions.
DAD-11	Increasing	Increasing	Increasing	Vertical delineation well. Nitrate is above standard. Chloride and TDS are below existing conditions.
DAD-12	Stable	Increasing	Increasing	Nitrate is above standard. Chloride and TDS increasing and above existing conditions.
DAD-13	Increasing	Increasing	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	Decreasing	Decreasing	Stable	Nitrate above standard. Well located along the southern margin of the abatement area, will monitor well as part of performance assessment.
DAD-23	Increasing	Stable	Stable	Nitrate above standard. Well located to the south-southeast of the abatement area. Nitrate above standard.
CENTRAL AREA				
Buena Vista Dairy II (DP-74)				
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	Increasing	Decreasing	Stable	
74-03	Decreasing	Decreasing	Decreasing	Nitrate is below the standard.
74-04	Decreasing	Increasing	Increasing	Upgradient well. Nitrate is above the standard. Chloride and TDS are below existing conditions.
74-05	Decreasing	Increasing	Increasing	Nitrate is above the standard. Concentrations are expected to decrease now that lagoons are lined. Chloride and TDS are below existing conditions.

**TABLE 7. SUMMARY OF TREND ANALYSES 2009 - 2020
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Groundwater Concentration Trend			Comments
	Nitrate	Chloride	TDS	
Big Sky Dairy (DP-833)				
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	Increasing	Increasing	Nitrate is above the standard.
833-07	Decreasing	Decreasing	Decreasing	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	Decreasing	Decreasing	Decreasing	As expected, analytes are decreasing now that lagoon is synthetically lined. Nitrate is above the standard.
833-10	Decreasing	Decreasing	Stable	Nitrate is below the standard.
Sunset/Desert Land Dairy (DP-257)				
257-01	Decreasing	Increasing	Increasing	Nitrate concentrations are decreasing. 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	Stable	Stable	
Las Cruces Community Farms (Former McAnally Enterprises)				
MW-4	Stable	Stable	Stable	
Abatement Plan Monitor Wells				
DAD-03	Decreasing	Decreasing	Decreasing	Nitrate below standard. Chloride and TDS are below existing conditions.
DAD-04	Decreasing	Decreasing	Decreasing	Nitrate below standard. Chloride and TDS are below existing conditions.
DAD-05	Stable	Stable	Stable	Nitrate below standard. Chloride and TDS are below existing conditions. Well upgradient of abatement area.
DAD-06	---	---	---	Dry since 2013
DAD-07	Increasing	Decreasing	Increasing	Nitrate above standard. Well near western boundary.
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 is above existing conditions.
DAD-15	Increasing	Increasing	Increasing	Chloride and TDS are below existing conditions. Nitrate is generally below the standard. Well is located at western margin of abatement area.
DAD-16	Decreasing	Stable	Decreasing	Nitrate is below the standard. Chloride and TDS are below existing conditions. Well is at eastern margin of abatement area.
DAD-17	Stable	Decreasing	Decreasing	Nitrate is below the standard. Chloride and TDS are below existing conditions. Well is south of abatement area boundary.
DAD-18	Stable	Stable	Decreasing	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	Increasing	Increasing	Vertical delineation well. Nitrate is below the standard. Chloride and TDS are below existing conditions.
DAD-25	Decreasing	Stable	Decreasing	Nitrate is below the standard. Chloride and TDS are below existing conditions. Well likely completed in perched aquifer.

**TABLE 7. SUMMARY OF TREND ANALYSES 2009 - 2020
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Monitoring Well	Groundwater Concentration Trend			Comments
	Nitrate	Chloride	TDS	
SOUTHERN AREA - PERCHED AQUIFER				
Del Oro Dairy (DP-692)				
692-02	Stable	Decreasing	Decreasing	Nitrate, chloride, and TDS are below standards. Well is located on the downgradient edge of abatement area. Will monitor as part of performance assessment.
692-04	Stable	Stable	Stable	Nitrate is above standard. Well is located on the downgradient edge of abatement area. Will monitor as part of performance assessment as long as water is present in the well. Water in well for first time since 2015.
ABATEMENT PLAN MONITOR WELLS				
DAD-09	Increasing	Increasing	Increasing	Nitrate is above standard and chloride and TDS are generally above existing conditions.
DAD-20	Increasing	Increasing	Increasing	Nitrate is above standard. Chloride is 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	Decreasing	Decreasing	Decreasing	Nitrate is above standard. Chloride and TDS are generally above existing conditions, but have been below in the last year.
SOUTHERN AREA - REGIONAL AQUIFER				
Del Oro Dairy (DP-692)				
692-05	Increasing	Decreasing	Stable	Nitrate above standard. Chloride and TDS below existing conditions.
692-06	Stable	Stable	Stable	
692-07	Decreasing	Decreasing	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.
Abatement Plan Monitor Wells				
DAD-10	Stable	Stable	Stable	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 DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Dairy	Well	Nitrate Decay Rate (Days ⁻¹)	Nitrate Decay Rate (Years ⁻¹)	Estimated Half Life (Years) ^a	Estimated Time to Reach Nitrate Cleanup Level (Years) ^a
NORTHERN AREA					
Mountain View	70-02	NA	NA	NA	NA
Dominguez 2	42-08	18	0.0491	14.12	29.8
Dominguez 2	42-13	9	0.0256	27.08	63.6
Gonzalez	177-01	23	0.0633	10.95	18.9
Gonzalez	177-02	63	0.1723	4.02	11.5
Gonzalez	177-04	24	0.0649	10.68	14.7
Gonzalez	177-05	10	0.0274	25.30	50.6
Abatement Plan	DAD-14	14	0.0397	17.46	13.7
Average				15.7	29.0
CENTRAL AREA					
Sunset	257-01	14	0.0373	18.58	58.6
Buena Vista II	74-01	13	0.035	19.80	42.2
Buena Vista II	74-04	7	0.0182	38.09	38.9
Buena Vista II	74-05	17	0.0461	15.04	26.0
Big Sky	833-07	NA	NA	NA	NA
Big Sky	833-08	11	0.0314	22.07	79.4
Big Sky	833-09	NA	NA	NA	NA
Abatement Plan	DAD-19	29	0.0807	8.59	19.3
Average				20.4	44.1
SOUTHERN AREA - PERCHED AQUIFER					
Abatement Plan	DAD-26	136	0.3732	1.86	4.8
NOTES:					
^a - 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) ¹					Change in Plume Area Since 2016 ²
	2016	2017	2018	2019	2020	
NORTHERN AREA						
Nitrate						
10-30	3,848.0	4,785.0	2,150.6	2,230.6	2,165.1	Decrease
30-70	302.7	426.9	263.1	258.3	225.3	Decrease
70-100	12.9	32.5	33.2	20.1	26.8	Increase
>100	0.0	0.0	0.0	0.0	7.2	Increase
Cumulative	4,163.6	5,244.4	2,446.9	2,509.0	2,417.2	Decrease
Chloride						
1,015-2,000	1,557.3	1,028.5	1,068.0	1,229.5	798.7	Decrease
2,000-3,000	68.3	32.3	47.7	31.9	5.4	Decrease
>3,000	0.9	0.0	1.4	0.0	0.0	Decrease
Cumulative	1,626.5	1,060.8	1,117.0	1,261.4	804.1	Decrease
TDS						
3,178-4,000	1,739.8	2,268.5	1,557.9	1,657.2	780.9	Decrease
4,000-6,000	553.1	494.4	611.7	598.1	318.4	Decrease
>6,000	28.6	87.8	25.0	6.1	0.0	Decrease
Cumulative	2,321.5	2,850.7	2,194.7	2,261.4	1,099.4	Decrease

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

Concentration Range (mg/L)	Calculated Plume Area (Acres) ¹					Change in Plume Area Since 2016 ²
	2016	2017	2018	2019	2020	
CENTRAL AREA³						
Nitrate						
10-30	1,211.5	1,094.7	879.3	1,160.1	1,065.4	Decrease
30-70	686.7	582.2	578.8	704.5	566.4	Decrease
70-100	75.2	12.7	0.0	0.0	0.0	Decrease
>100	14.7	0.0	0.0	0.0	0.0	Decrease
Cumulative	1,988.2	1,689.7	1,458.1	1,864.6	1,631.8	Decrease
Chloride						
1,781-1,800	2.9	0.7	0.0	2.1	1.9	Decrease
1,800-1,900	10.1	0.6	0.0	4.6	0.0	Decrease
>1,900	2.3	0.0	0.0	0.0	0.0	Decrease
Cumulative	15.3	1.3	0.0	6.7	1.9	Decrease
TDS						
5,328-5,500	6.6	2.2	0.0	1.3	0.0	Decrease
>5,500	2.8	0.0	0.0	0.0	0.0	Decrease
Cumulative	9.4	2.2	0.0	1.3	0.0	Decrease

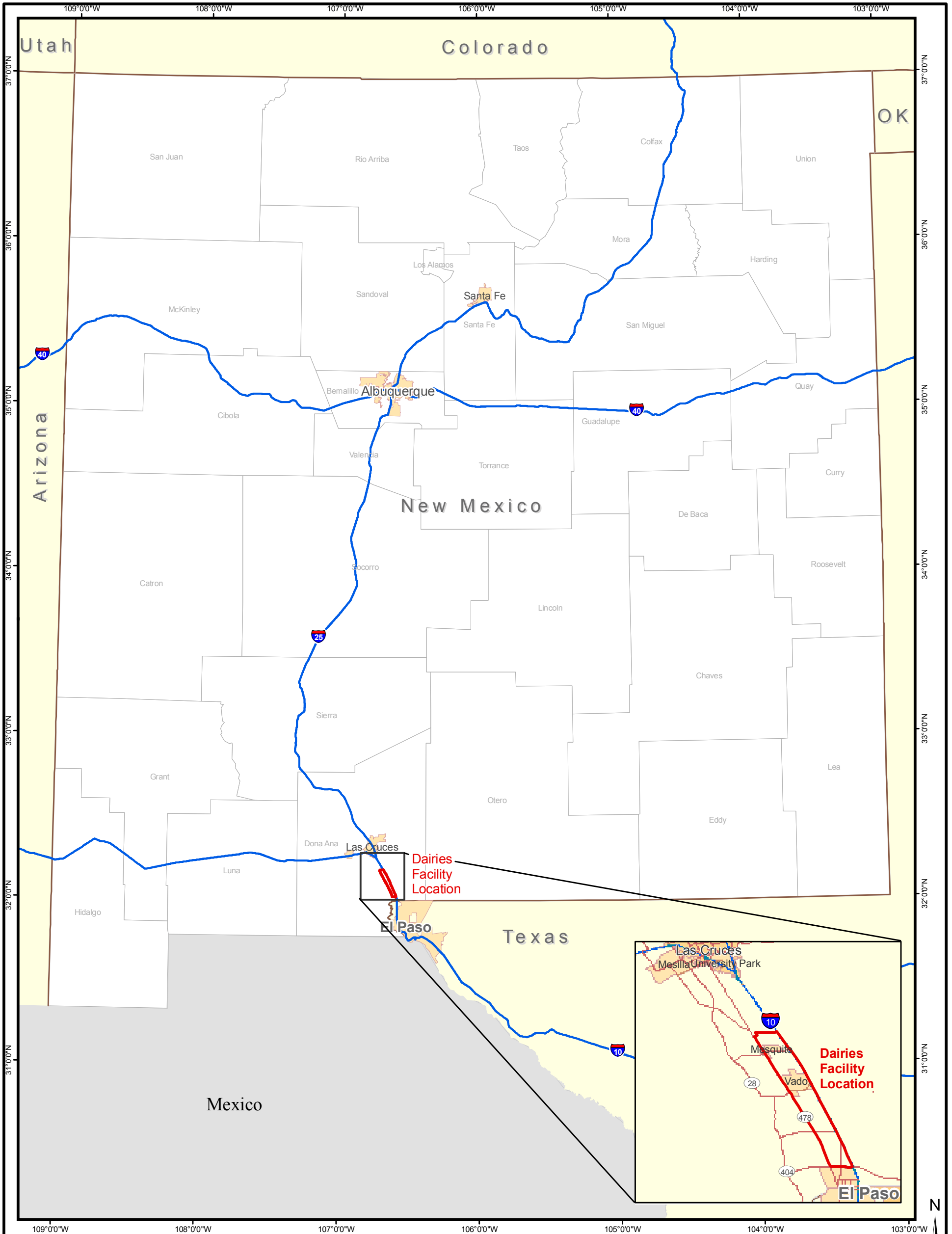
**TABLE 9. CALCULATED GROUNDWATER PLUME AREAS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

Concentration Range (mg/L)	Calculated Plume Area (Acres) ¹					Change in Plume Area Since 2016 ²
	2016	2017	2018	2019	2020	
SOUTHERN AREA - PERCHED AQUIFER						
Nitrate						
10-30	60.1	49.4	58.7	68.0	157.0	Increase
30-70	35.0	69.4	93.9	96.8	94.5	Increase
70-100	12.6	0.0	36.9	21.5	44.0	Increase
>100	5.2	0.0	0.0	0.0	10.7	Increase
Cumulative	112.9	118.8	189.5	186.3	306.2	Increase
Chloride						
503-600	41.1	80.0	93.1	81.2	82.9	Increase
600-700	41.5	60.8	86.5	73.4	87.8	Increase
700-800	50.2	56.3	52.7	62.1	94.2	Increase
800-900	82.9	53.4	65.0	51.6	98.8	Increase
>900	28.8	38.2	3.8	1.3	47.0	Increase
Cumulative	244.5	288.7	301.1	269.6	327.8	Increase
TDS						
2,552-2,700	29.6	55.0	61.2	31.9	12.2	Decrease
2,700-3,000	25.1	59.3	42.5	18.8	18.0	Decrease
3,000-3,300	8.9	19.4	3.9	11.6	15.9	Increase
>3,300	1.9	0.0	0.0	0.0	4.4	Increase
Cumulative	65.5	133.7	107.6	62.3	50.5	Decrease

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

Concentration Range (mg/L)	Calculated Plume Area (Acres) ¹					Change in Plume Area Since 2016 ²
	2016	2017	2018	2019	2020	
SOUTHERN AREA - REGIONAL AQUIFER						
Nitrate						
10-30	0.2	0.0	0.0	1.1	5.3	Increase
Chloride						
503-600	35.7	7.6	15.8	9.6	7.9	Decrease
> 600	0.4	0.0	0.1	0.0	0.0	Decrease
Cumulative	36.1	7.6	15.9	9.6	7.9	Decrease
TDS						
> 2,552	0.0	0.0	0.0	0.0	0.0	Stable
NOTES:						
¹ = 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. ² = Change is defined as an increase or decrease of 10% or more. An increase or decrease of less than 10% is ³ = River Valley wells were used to calculate plume areas in 2016, 2017, and 2018. Groundwater sampling as part of the Dona Ana Dairies consortium discontinued in 2019. Historical results indicate that modeling without River Valley wells results in a conservative plume size that plumes modeled in and after 2019 are biased high. > = Greater than mg/L = Milligrams per liter NC = Not calculated TDS = Total dissolved solids						

FIGURES

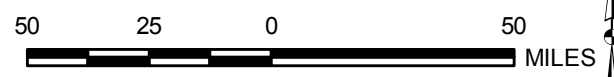


LEGEND:


 Facility Boundary

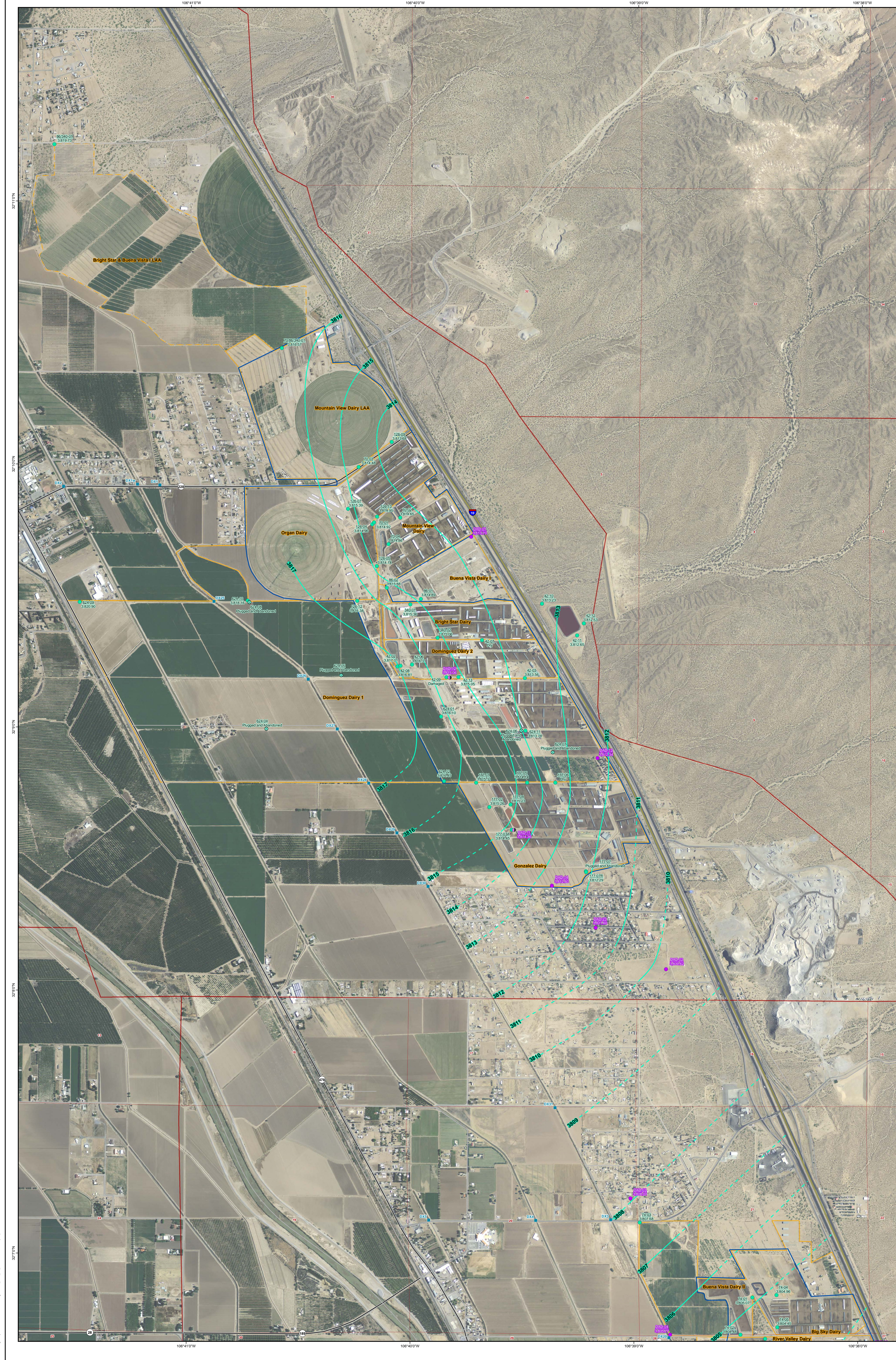
REFERENCES

Base Data: ESRI, 2008.



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WHEN PRODUCED AT 11X17IN

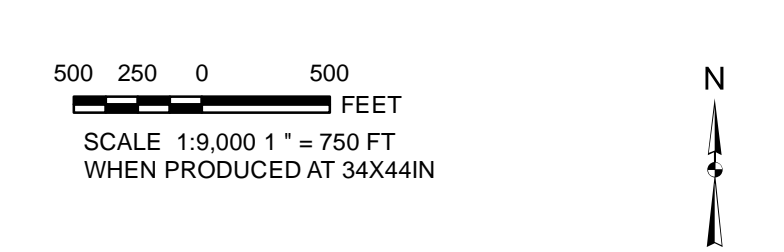
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TITLE		SITE LOCATION MAP	
	PROJECT No.	11x17_siteloc.mxd	
	DESIGN		SCALE AS SHOWN
	GIS		REV 0
	CHECK		
REVIEW		<p>FIGURE 1</p>	



- LEGEND**
- Drain Crossing Location
 - Discharge Plan Well With Water Elevations (Feet MSL)
 - Abatement Plan Well With Water Elevations (Feet MSL)
 - Abatement Plan Vertical Delineation Monitoring Well with Water Elevation (Feet MSL)
 - 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

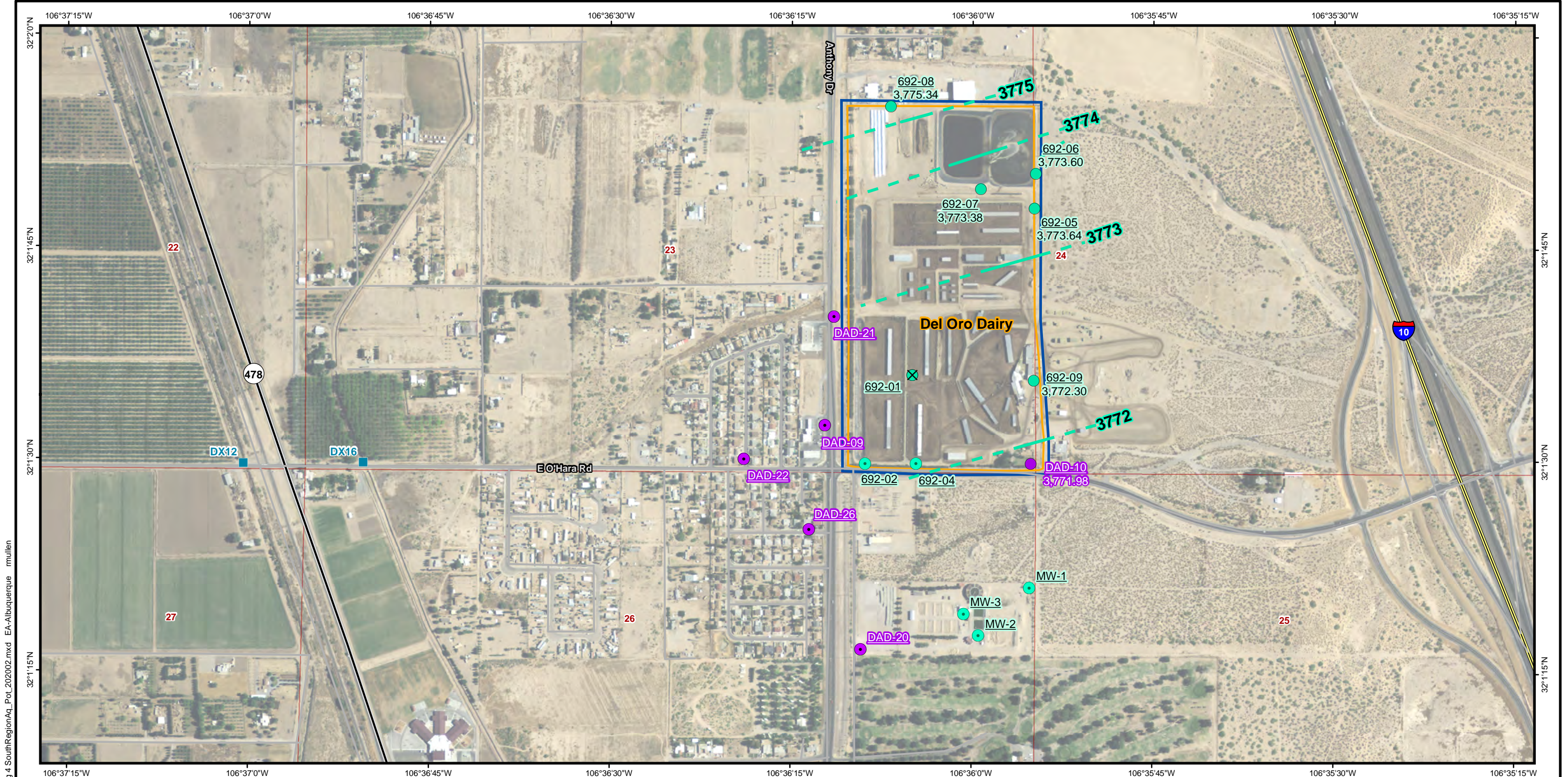
Notes:
 Feet MSL = Feet above mean sea level
 NA = Not available. Top of casing elevation was not available for newly installed wells.
 NM = Not measured

REFERENCES
 Roads: Doña Ana County, 2001
 Aerial Photography: NAIP, 2011
 PLSS: BLM, 2000
 Projection: State Plane NAD 83 New Mexico Central (best)



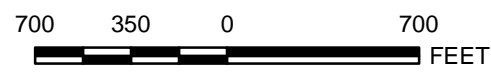
PROJECT		DOÑA ANA DAIRIES MESQUITE, NEW MEXICO	
DATE		POTENTIOMETRIC SURFACE MAP, FEBRUARY 2020, NORTHERN PORTION	
PROJECT NO.	DATE	SCALE	FIGURE 2

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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



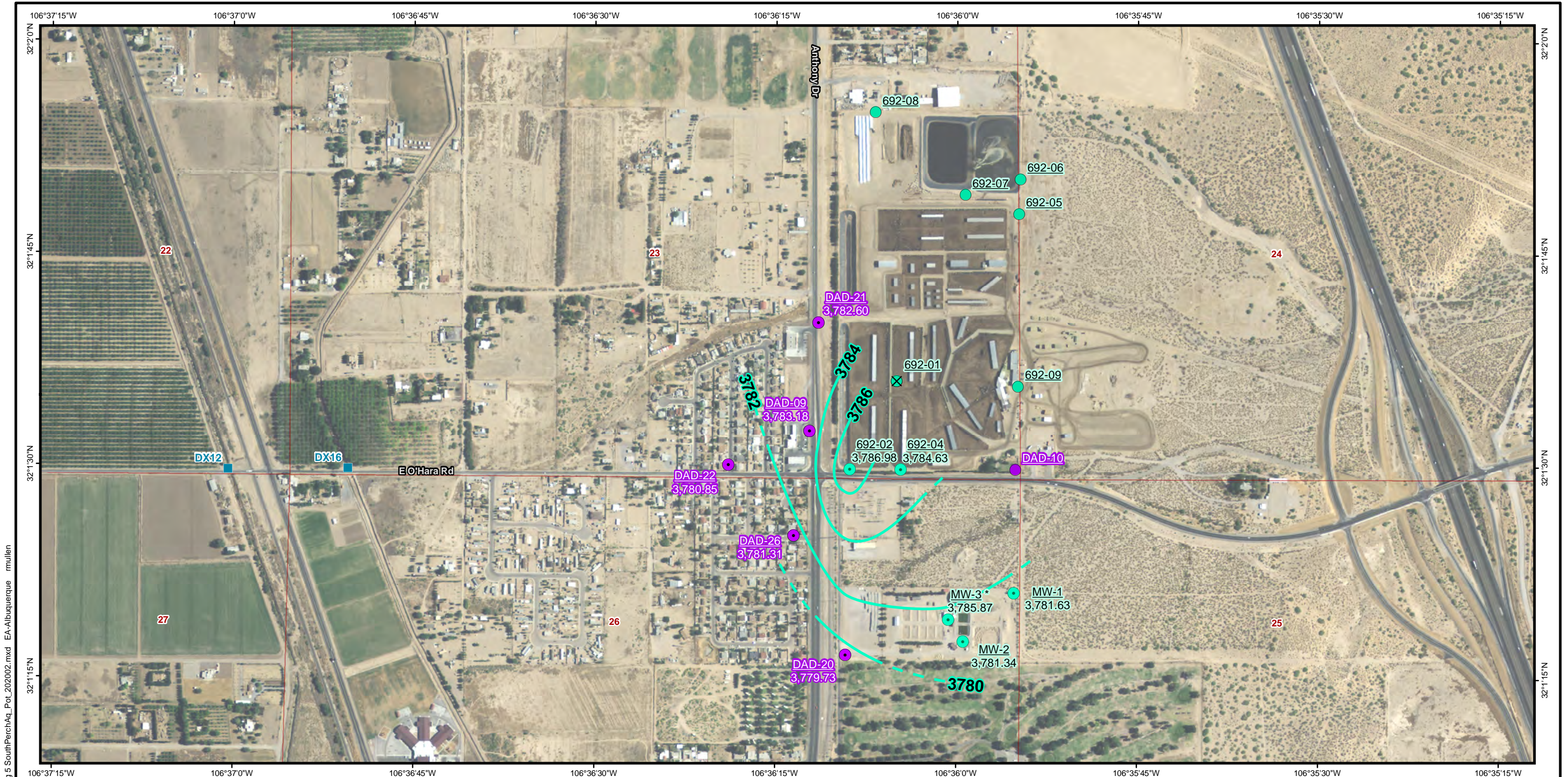
SCALE 1:8,400 1" = 700 FT
WHEN PRODUCED AT 11X17IN



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

DOÑA ANA DAIRIES MESQUITE, NEW MEXICO			
POTENTIOMETRIC SURFACE MAP FEBRUARY 2020, SOUTHERN PORTION REGIONAL AQUIFER			
	PROJECT No. 1464103		Fig 4 SouthRegionAq_Pot.mxd
	DESIGN	NA	SCALE AS SHOWN
	GIS	RMM	REV 0
	CHECK		
REVIEW			
			FIGURE 4

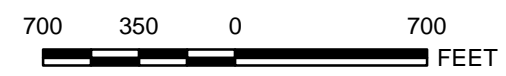
2020-05-29 P:\gis\projects\doña ana\MXDs\202002\Fig 4 SouthRegionAq_Pot_202002.mxd EA-Albuquerque mullen



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.



SCALE 1:8,400 1" = 700 FT
WHEN PRODUCED AT 11X17IN



REFERENCES

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

DOÑA ANA DAIRIES MESQUITE, NEW MEXICO			
POTENTIOMETRIC SURFACE MAP FEBRUARY 2020, SOUTHERN PORTION PERCHED AQUIFER			
	PROJECT No. 1464103		SCALE AS SHOWN
	DESIGN	NA	REV 0
	GIS	RMM	
	CHECK		
	REVIEW		
			FIGURE 5

2020-05-07 P:\gis\projects\doña ana\MXDs\202002\Fig 5 SouthPerchAq_Pot_202002.mxd EA-Albuquerque rmullen

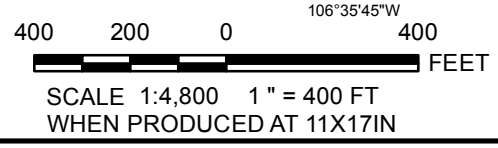


LEGEND :

- 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

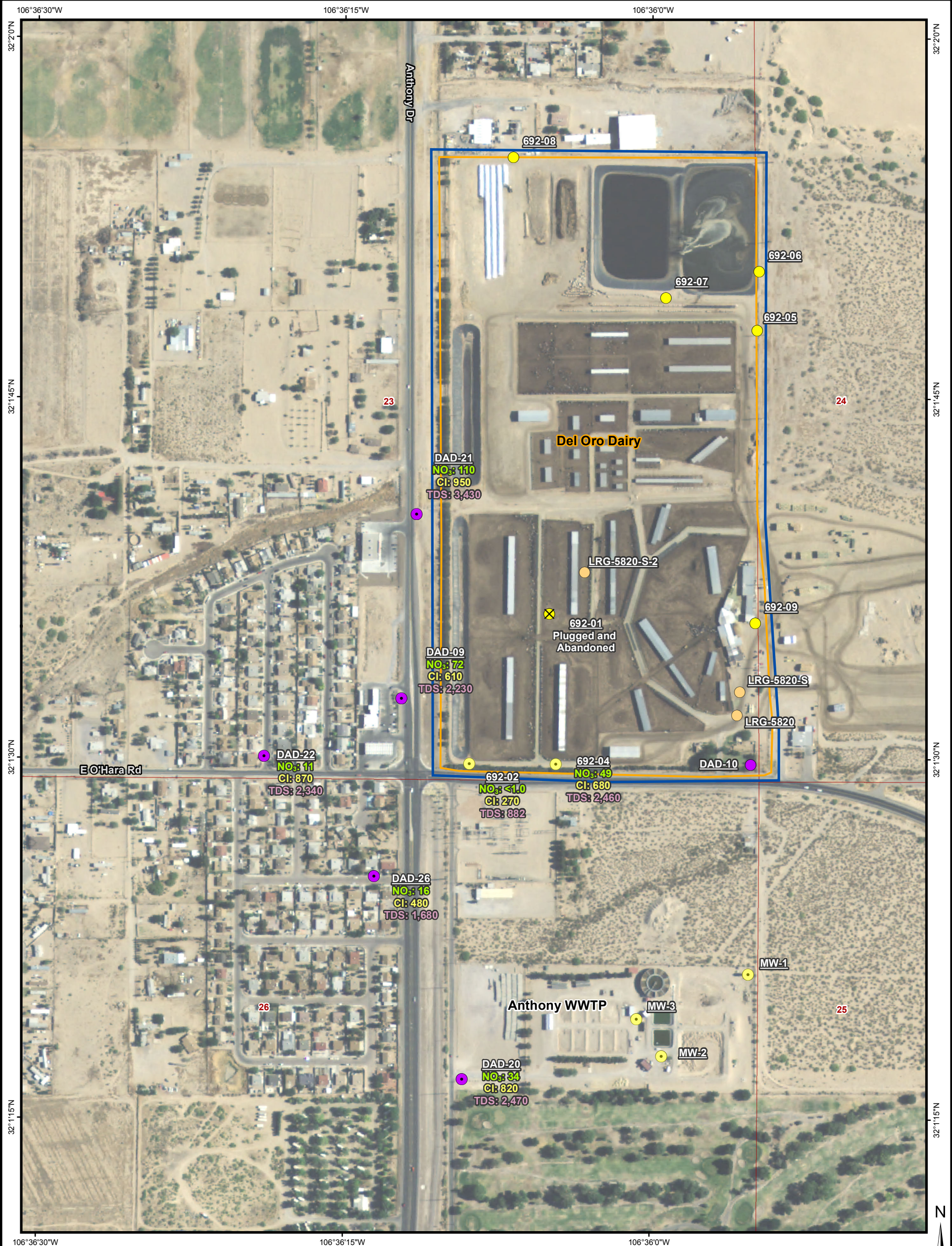
Notes:
 Units are in milligrams per liter.
 Cl = Chloride
 NO₃ = Nitrate as N
 TDS = Total Dissolved Solids

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



DOÑA ANA DAIRIES MESQUITE, NEW MEXICO			
GROUNDWATER ANALYTICAL RESULTS FEBRUARY/MARCH 2020 SOUTHERN PORTION, REGIONAL AQUIFER			
	PROJECT No. 1464103.0006		Fig8SouthRegionAq_Analytical.mxd
	DESIGN	NA	SCALE AS SHOWN
	GIS	RM	REV 0
	CHECK		
REVIEW			FIGURE 8

2020 -05-26 P:\gis\Projects\donana\anal\MXD\sl202002\Fig 8 SouthRegionAq_Analytical_202002.mxd EA-Albuquerque rmlullen

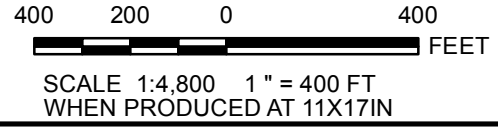


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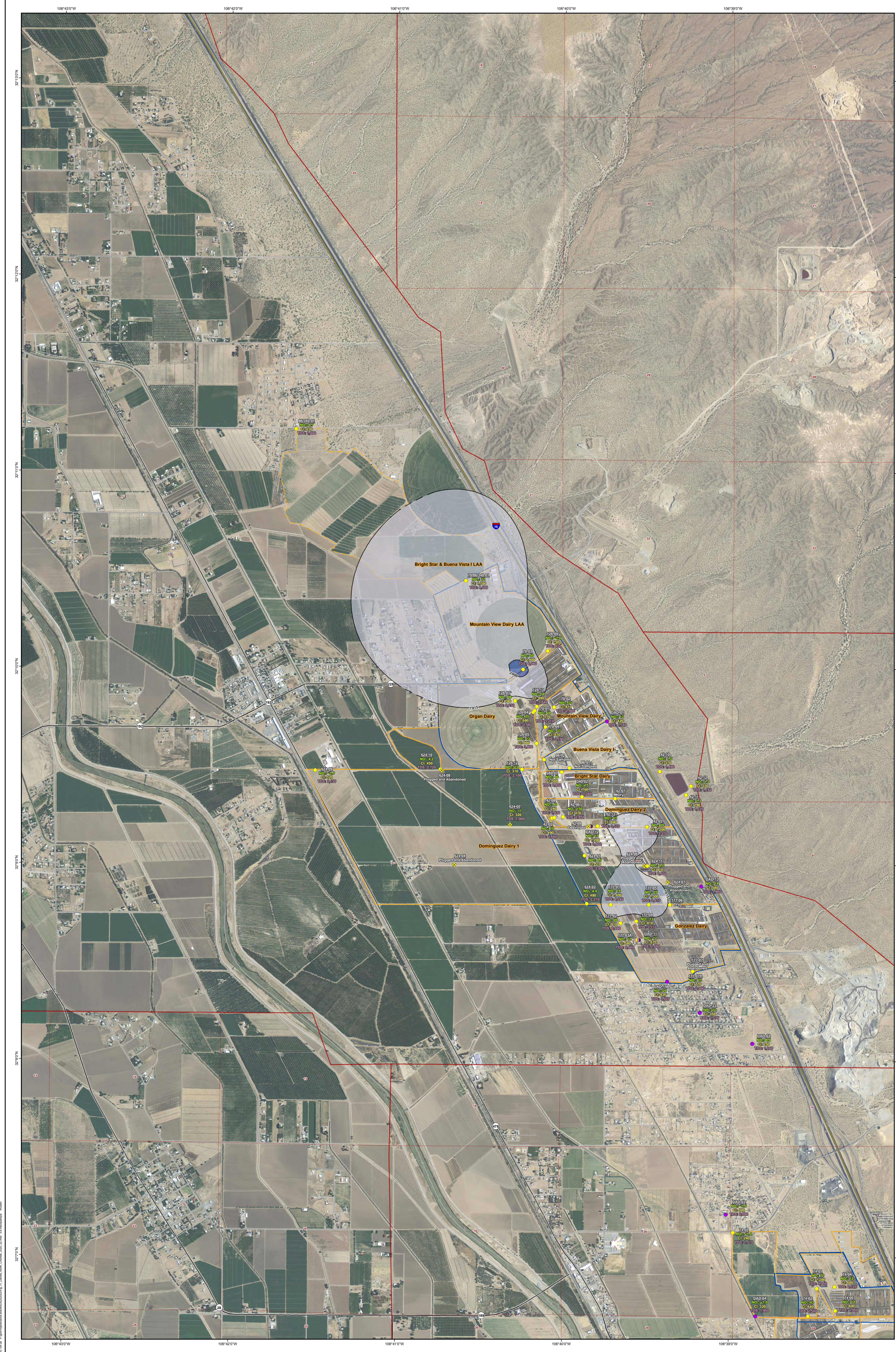
- Perched Aquifer Monitoring Well
 - Abatement Plan Monitoring Well
 - Discharge Plan Monitoring Well
 - Dairy Irrigation/Supply Well
 - ⊗ Discharge Plan Monitoring Well - Plugged and Abandoned
 - Regional Aquifer Monitoring Well
 - Abatement Plan Monitoring Well
 - Discharge Plan Monitoring Well
- Land Owned by Dairies
 - Stage 2 Abatement Plan Area
 - Public Land Survey System
- Notes:**
Units are in milligrams per liter.
- Cl = Chloride
mg/L = Milligram(s) per liter
NO₃ = Nitrate as N
TDS = Total Dissolved Solids

REFERENCES

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



DOÑA ANA DAIRIES MESQUITE, NEW MEXICO			
GROUNDWATER ANALYTICAL RESULTS FEBRUARY/MARCH 2020 SOUTHERN PORTION, PERCHED AQUIFER			
PROJECT	EA		
DESIGN	NA	PROJECT No. 1464106.0005	deloro_analytical_perched200908.mxd
GIS	RM	SCALE AS SHOWN	REV 0
CHECK		FIGURE 9	
REVIEW			



LEGEND:

- Abatement Plan Monitoring Wells
- Discharge Plan Monitoring Wells
- 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
- 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.
 Data from vertical delineation wells were not used in modelling.
 * February/March 2020 data not available. November/December 2019 used in modelling.
 Cl = Chloride
 mg/L = Milligrams per liter
 NO₃ = 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)

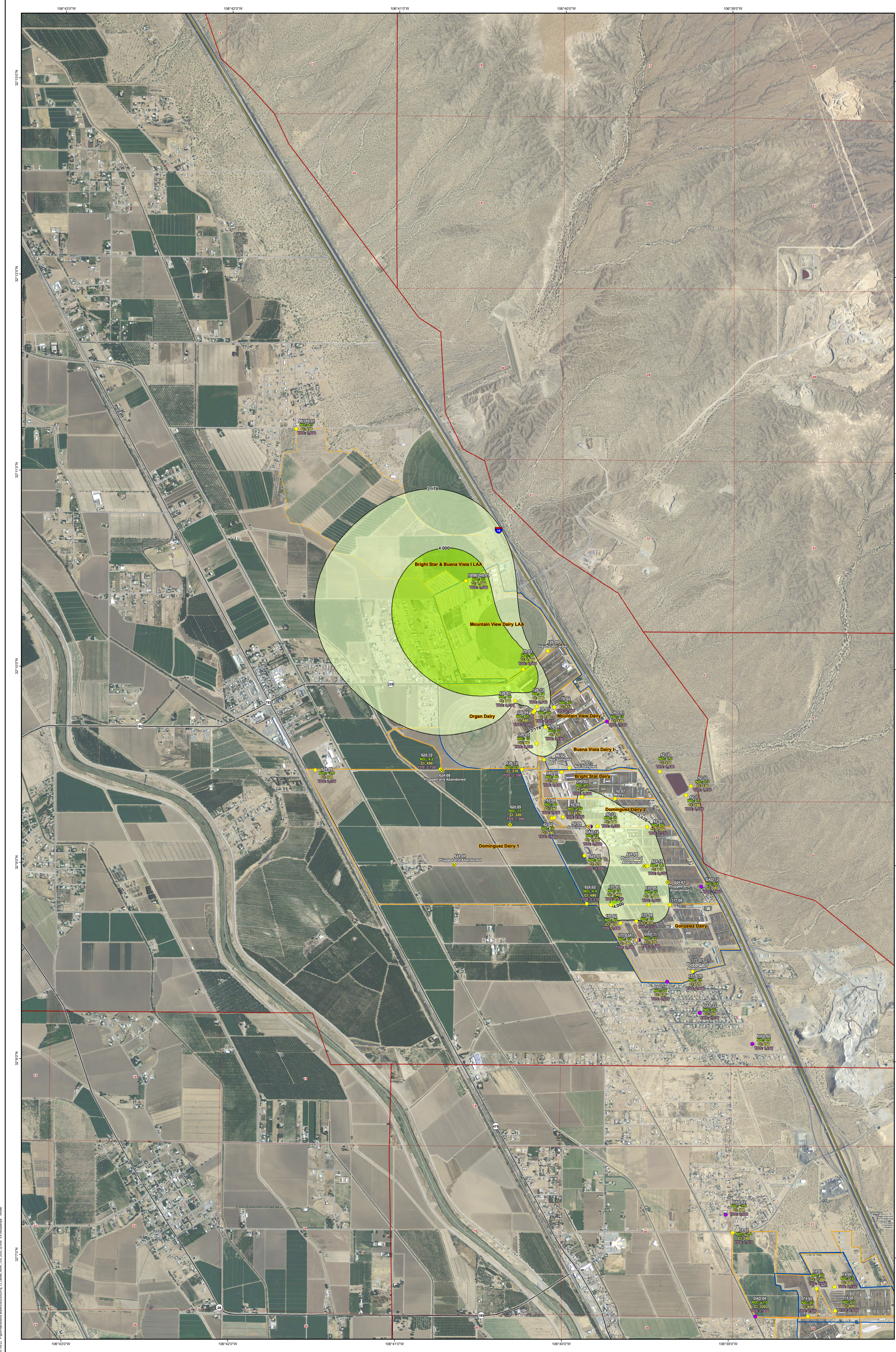
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 WHEN PRODUCED AT 34X44IN

PROJECT
 DOÑA ANA DAIRIES
 MESQUITE, NEW MEXICO

**CHLORIDE DISTRIBUTION IN GROUNDWATER
 FEBRUARY/MARCH 2020
 NORTHERN PORTION**

EA

FIGURE 11



- Abatement Plan Monitoring Wells
- Discharge Plan Monitoring Wells
- 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)**
- 3,178-4,000
- 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.
 Data from vertical delineation wells were not used in modelling.

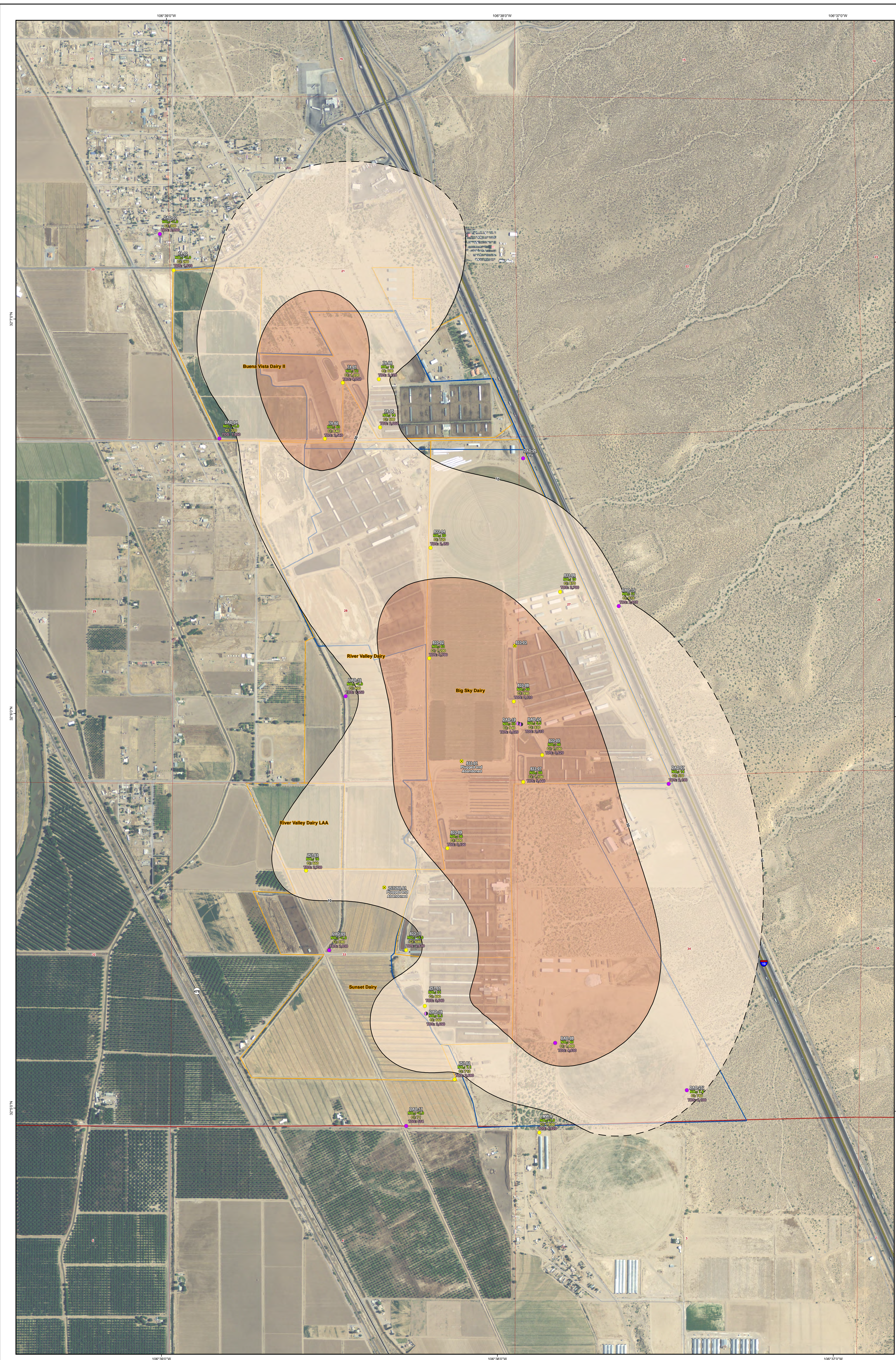
Cl = Chloride
 mg/L = Milligrams per liter
 NO₃ = Nitrate as N
 TDS = Total Dissolved Solids

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

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 SCALE 1:12,000 1" = 1,000 FT
 WHEN PRODUCED AT 34X44IN

PROJECT		DOÑA ANA DAIRIES MESQUITE, NEW MEXICO	
TITLE		TDS DISTRIBUTION IN GROUNDWATER FEBRUARY/MARCH 2020 NORTHERN PORTION	
DATE	ISSUE	SCALE	FIGURE
			12

2020 0422 - P:\Projects\mesquite\mesquite\mesquite.dwg, 11:48:00 AM, 04/22/2020, 11:48:00 AM, 11:48:00 AM



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

Nitrate Concentration (mg/L)

- 10-30
- 30-70

Notes:
 Units are in milligrams per liter.
 Dashed line indicates manually drawn isopleth. Solid line indicates that the isopleth was generated by Surfer.
 Vertical delineation wells were not used in modeling.
 * = Not used in modeling. Well likely completed in perched aquifer.
 Cl = Chloride
 mg/L = Milligrams per liter
 NO₃ = Nitrate as N
 NS = Not sampled
 TDS = Total dissolved solids

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

500 250 0 250 500
 FEET

SCALE 1:6,000 1" = 500 FT
 WHEN PRODUCED AT 34X44IN

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

TITLE: **NITRATE DISTRIBUTION IN GROUNDWATER
 FEBRUARY/MARCH 2020
 CENTRAL PORTION**

DATE	DESCRIPTION	BY

EA **FIGURE 13**

2020 02 10 10:41:00 AM \\pfs01\pfs01\work\2020\02\02\02\FG_13_Dairies_Central_Portion_2020_02_10.dwg EA-AK/roberta



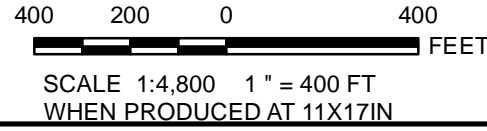
LEGEND:

- 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.

Cl = Chloride
 NO₃ = Nitrate as N
 TDS = Total Dissolved Solids

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



DOÑA ANA DAIRIES MESQUITE, NEW MEXICO				
NITRATE DISTRIBUTION IN GROUNDWATER FEBRUARY/MARCH 2020 SOUTHERN PORTION, REGIONAL AQUIFER				
	PROJECT No. 1464106.0005		FIGURE 15	
	DESIGN	NA		SCALE AS SHOWN
	GIS	RM		REV 0
	CHECK			
REVIEW				



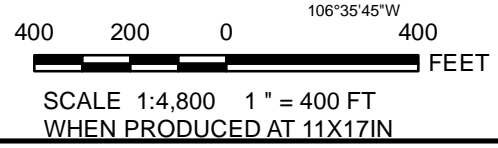
LEGEND:

- Perched Aquifer Monitoring Well**
 - Abatement Plan Monitoring Well (Purple circle)
 - Discharge Plan Monitoring Well (Yellow circle)
 - Discharge Plan Monitoring Well - Plugged and Abandoned (Yellow circle with X)
- Regional Aquifer Monitoring Well**
 - Abatement Plan Monitoring Well (Purple circle)
 - Discharge Plan Monitoring Well (Yellow circle)
- Chloride Concentration (mg/L)**
 - 503-600 (Light blue shaded area)
- Land Owned by Dairies (Orange outline)
- Stage 2 Abatement Plan Area (Blue outline)
- Public Land Survey System (Red outline)

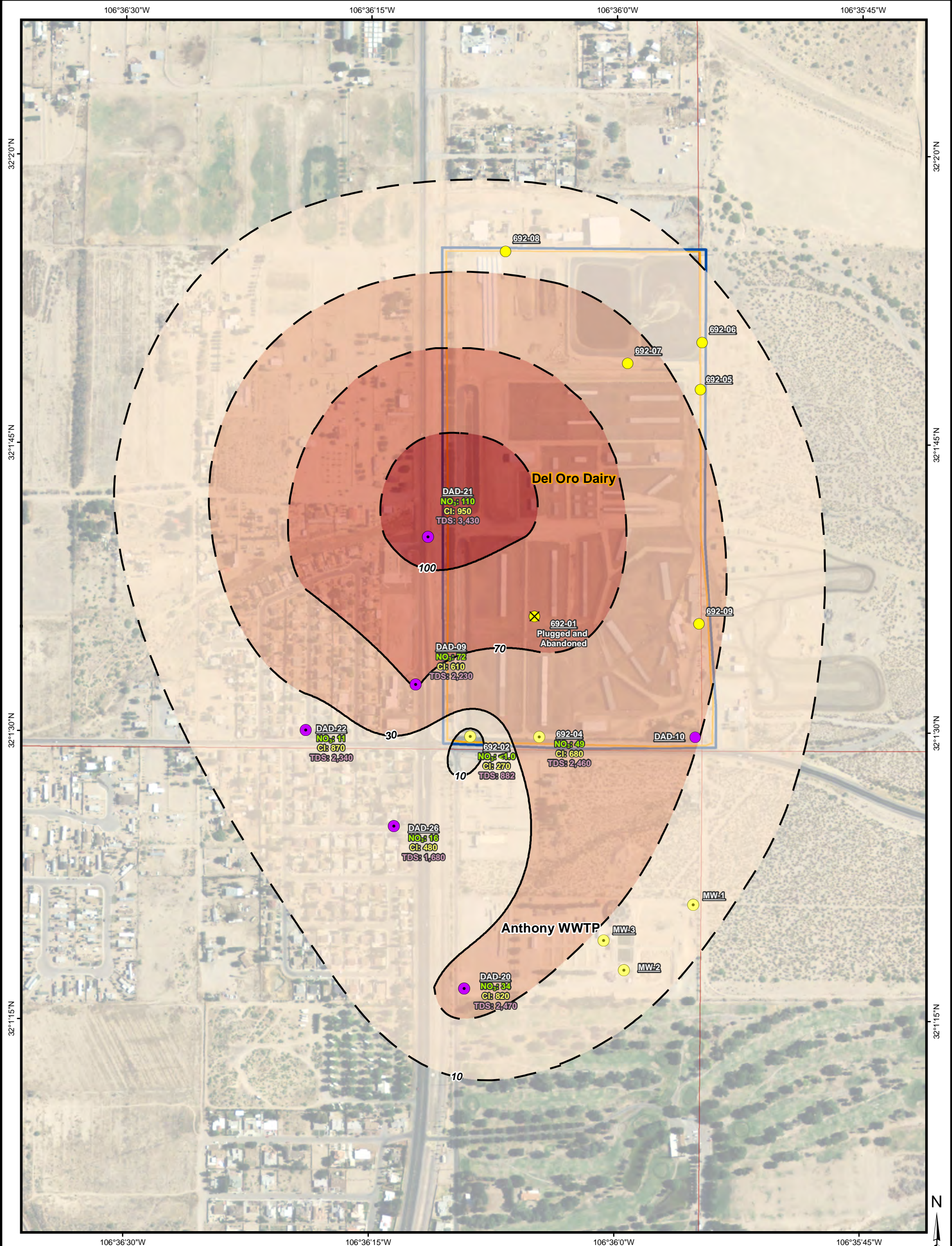
Notes:
 * February/March 2020 data not available. November/December 2019 used in modelling.
 Units are in milligrams per liter.
 Dashed line indicates manually drawn isopleth. Solid line indicates that the isopleth was generated by Surfer.

Cl = Chloride
 NO₃ = Nitrate as N
 TDS = Total Dissolved Solids

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



DOÑA ANA DAIRIES MESQUITE, NEW MEXICO				
CHLORIDE DISTRIBUTION IN GROUNDWATER FEBRUARY/MARCH 2020 SOUTHERN PORTION, REGIONAL AQUIFER				
	PROJECT No. 1464103.0006		FIGURE 16	
	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
- Public Land Survey System
- Land Owned by Dairies
- Stage 2 Abatement Plan

Nitrate Concentration (mg/L)

- 10-30
- 30-70
- 70-100
- >100

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 2020 data.

Cl = Chloride
 mg/L = Milligram(s) per liter
 NO₃ = Nitrate as N
 TDS = Total Dissolved Solids

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

PROJECT

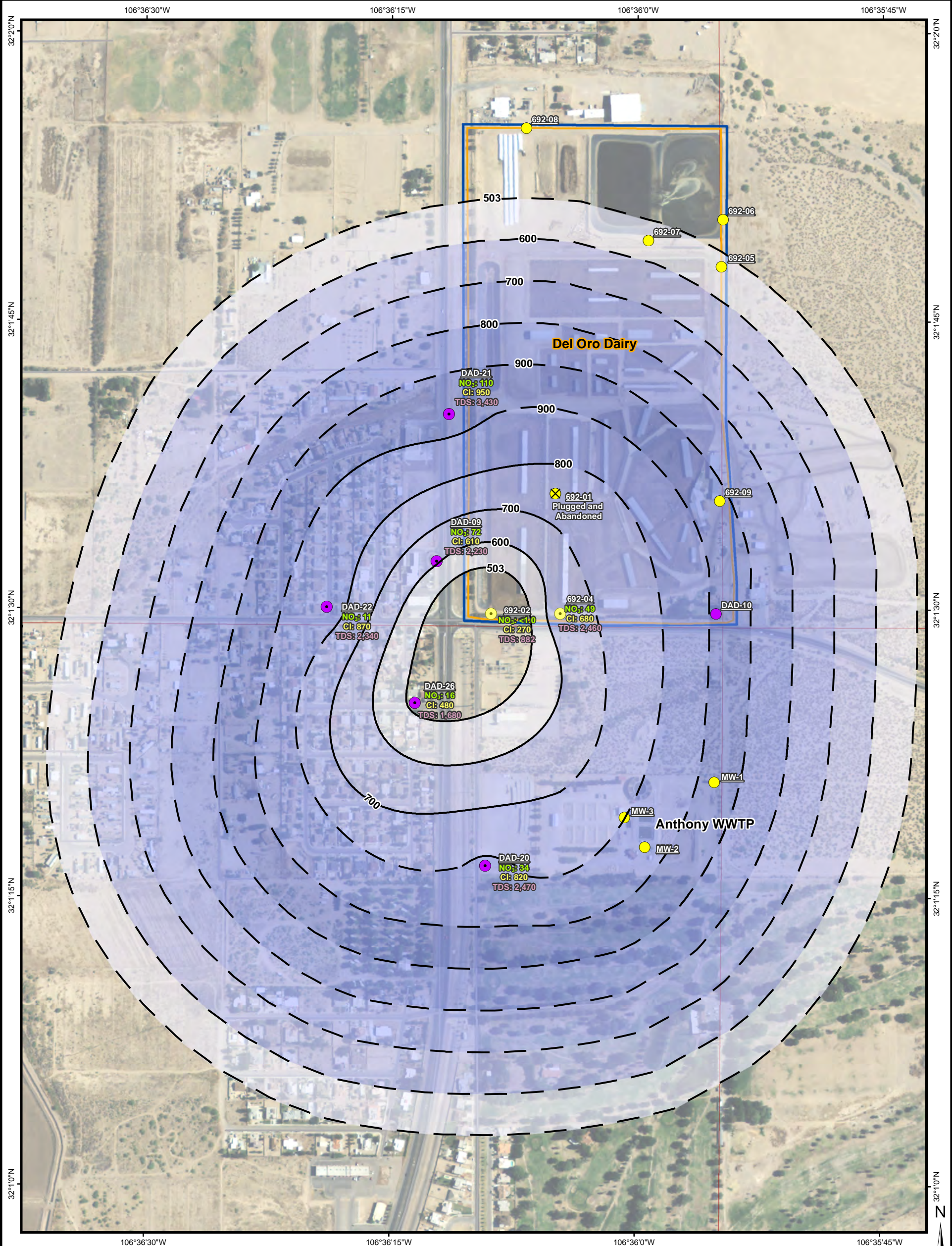
**DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO**

TITLE

**NITRATE DISTRIBUTION IN GROUNDWATER
FEBRUARY/MARCH 2020
SOUTHERN PORTION, PERCHED AQUIFER**

PROJECT No. 1464106	SCALE AS SHOWN	REV 0
DESIGN NA		FIGURE 17
GIS RM		
CHECK		
REVIEW		

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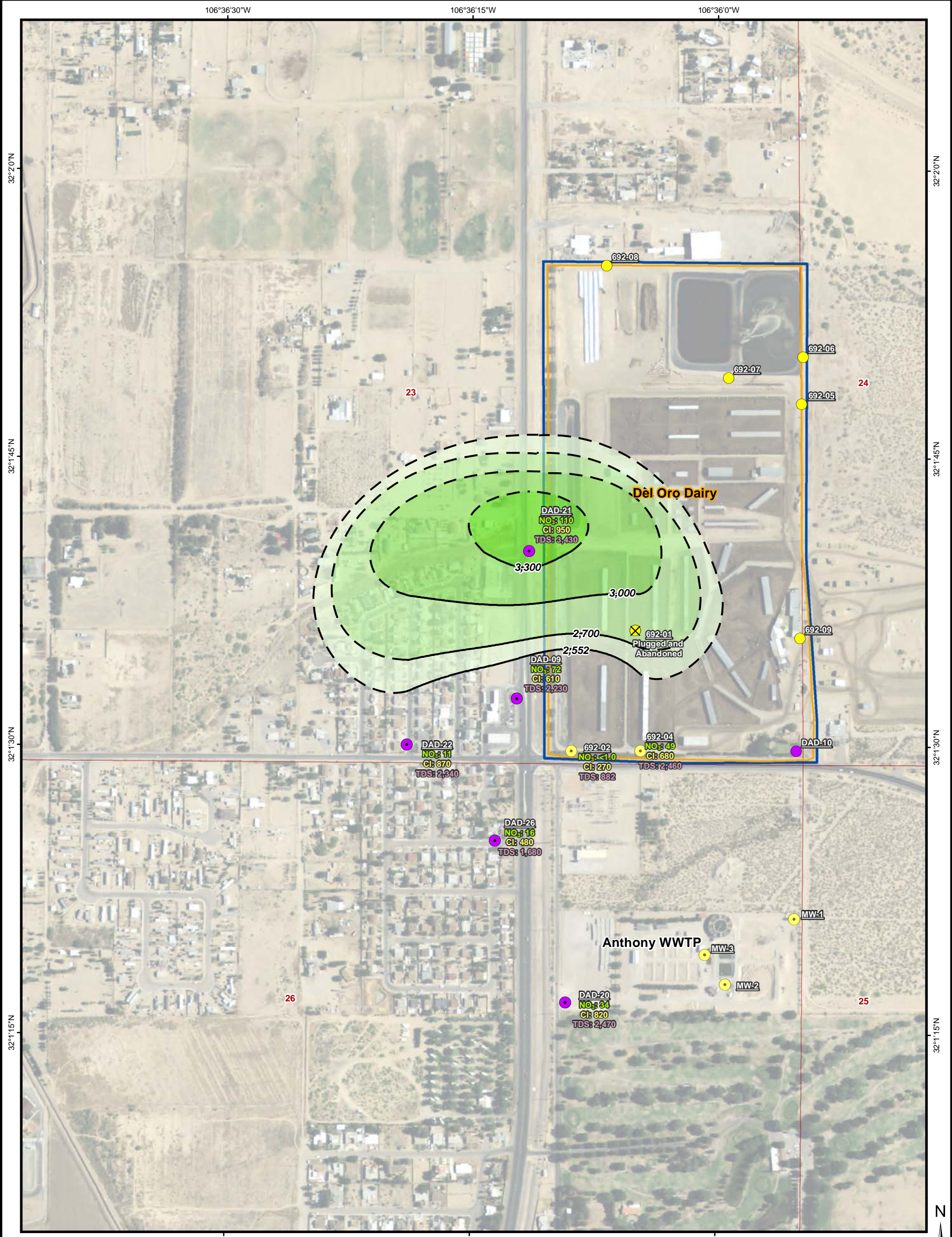
- Perched Aquifer Monitoring Well**
- Abatement Plan Monitoring Well
 - Discharge Plan Monitoring Well
- Regional Aquifer Monitoring Well**
- Abatement Plan Monitoring Well
 - Discharge Plan Monitoring Well
 - ⊗ Discharge Plan Monitoring Well - Plugged and Abandoned
- Land Owned by Dairies
 - Stage 2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

- Chloride Concentration (mg/L)**
- 503-600
 - 600-700
 - 700-800
 - 800-900
 - >900

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 2020 data.
 Cl = Chloride
 mg/L = Milligram(s) per liter
 NO₃ = Nitrate as N
 TDS = Total Dissolved Solids

400 200 0 400
 FEET
 SCALE 1:6,000 1" = 500 FT
 WHEN PRODUCED AT 11X17IN

PROJECT			
DOÑA ANA DAIRIES MESQUITE, NEW MEXICO			
CHLORIDE DISTRIBUTION IN GROUNDWATER FEBRUARY/MARCH 2020 SOUTHERN PORTION, PERCHED AQUIFER			
	PROJECT No. 1464103.0006		SCALE AS SHOWN
	DESIGN NA	REV 0	
	GIS RM	FIGURE 18	
	CHECK		
REVIEW			

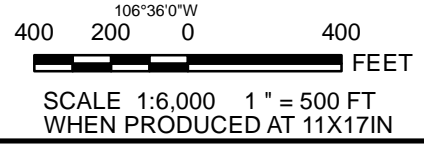


- Perched Aquifer Monitoring Well**
- Abatement Plan Monitoring Well
 - Discharge Plan Monitoring Well
 - ✕ Discharge Plan Monitoring Well
- Regional Aquifer Monitoring Well**
- Abatement Plan Monitoring Well
 - Discharge Plan Monitoring Well
- Land Owned by Dairies
 - Stage 2 Abatement Plan Area
 -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

- TDS Concentration (mg/L)**
- 2,552-2,700
 - 2,700-3,000
 - 3,000-3,300
 - >3,300

Notes:
 Units are in milligrams per liter.
 Cl = Chloride
 mg/L = Milligram(s) per liter
 NO₃ = Nitrate as N
 TDS = Total Dissolved Solids

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



DOÑA ANA DAIRIES MESQUITE, NEW MEXICO			
TDS DISTRIBUTION IN GROUNDWATER FEBRUARY/MARCH 2020 SOUTHERN PORTION, PERCHED AQUIFER			
	PROJECT No. 1464106		
	DESIGN	NA	SCALE AS SHOWN
	GIS	RM	REV 0
	CHECK		
REVIEW			FIGURE 19

APPENDIX A

FIELD FORMS

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

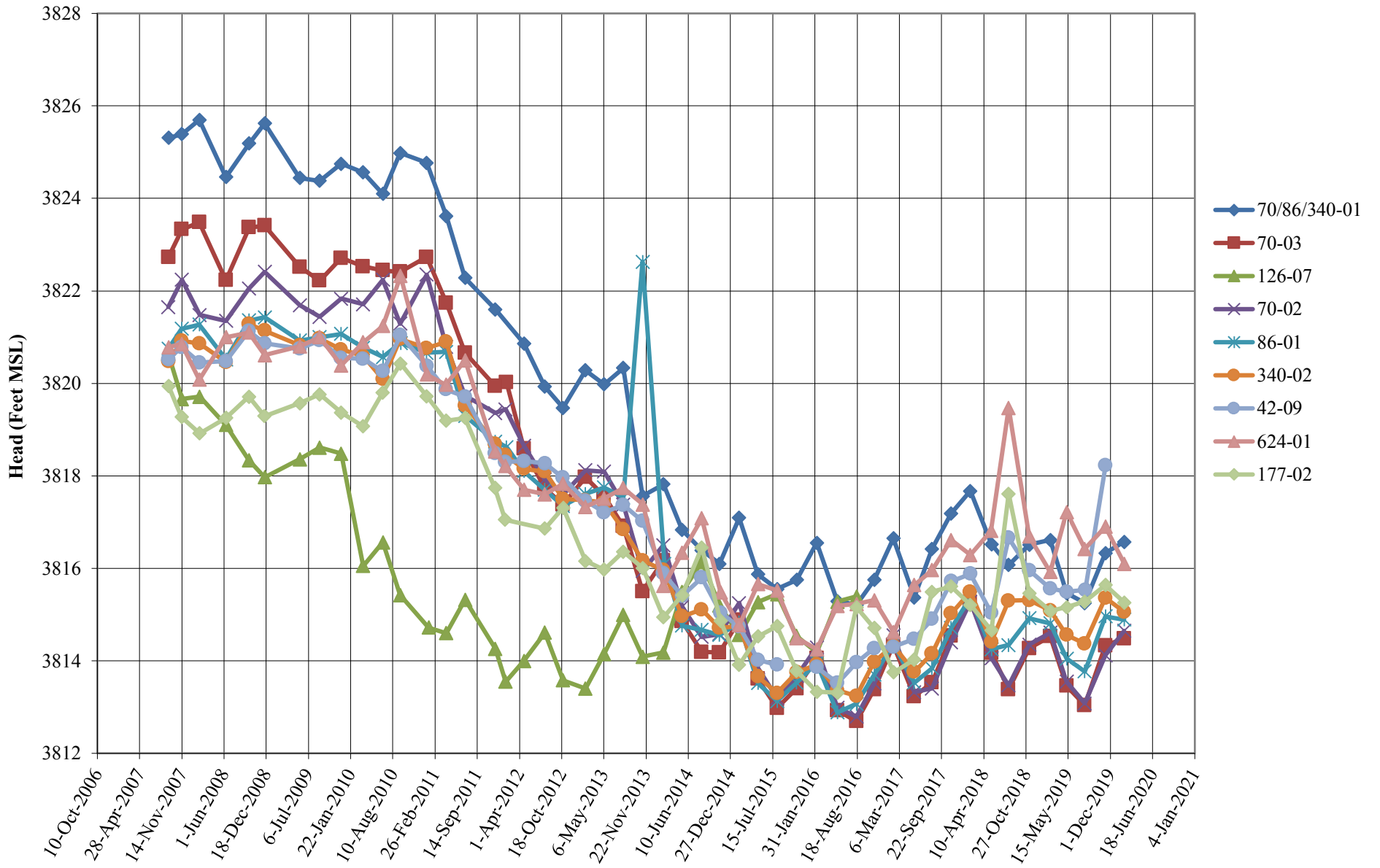
APPENDIX B

ANALYTICAL LABORATORY REPORTS

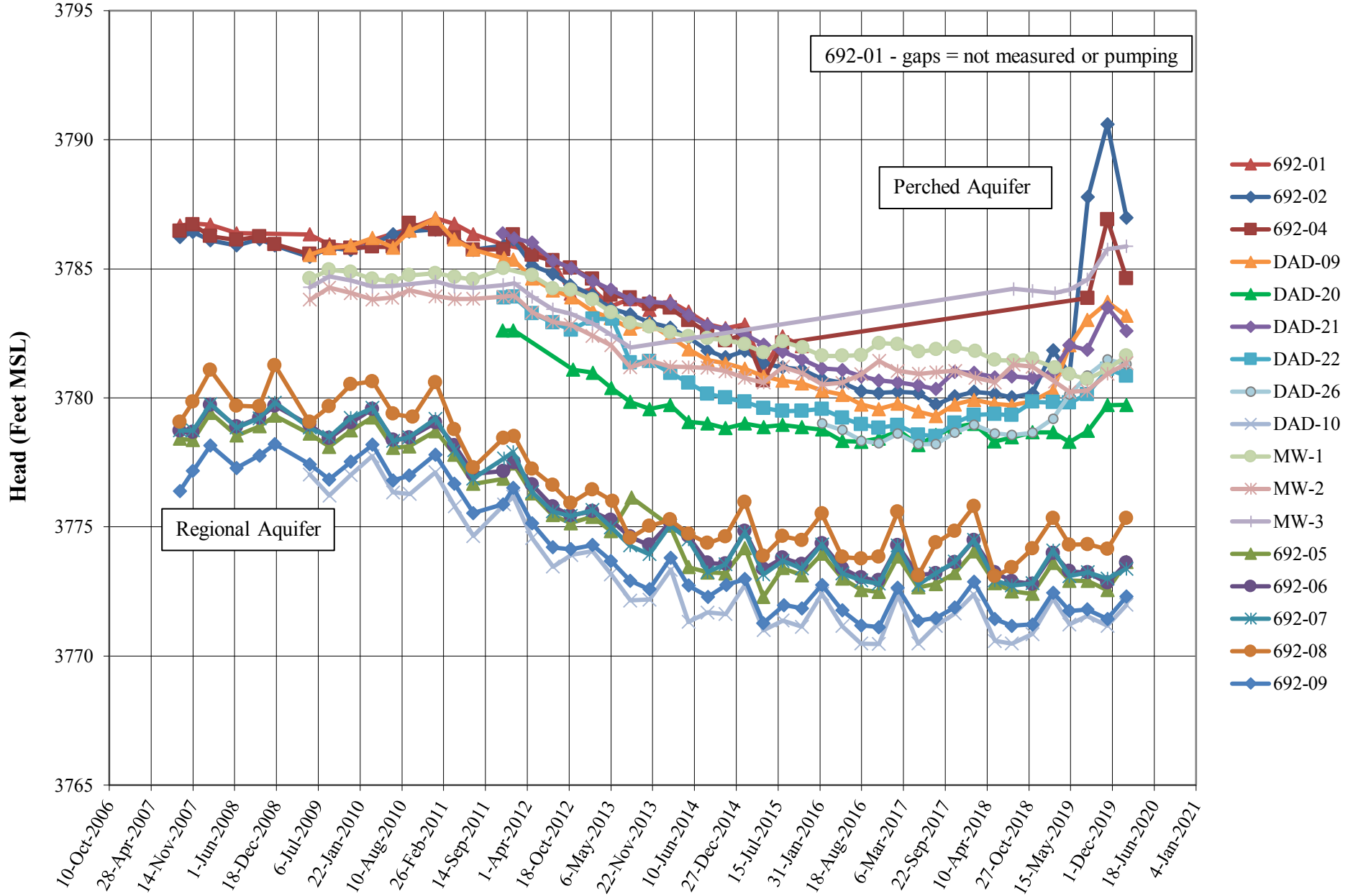
(Provided in Electronic Format via CD Located on Front Cover of Report)

APPENDIX C
HYDROGRAPHS

**HYDROGRAPHS FOR SELECT DP MONITORING WELLS NORTHERN PORTION
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

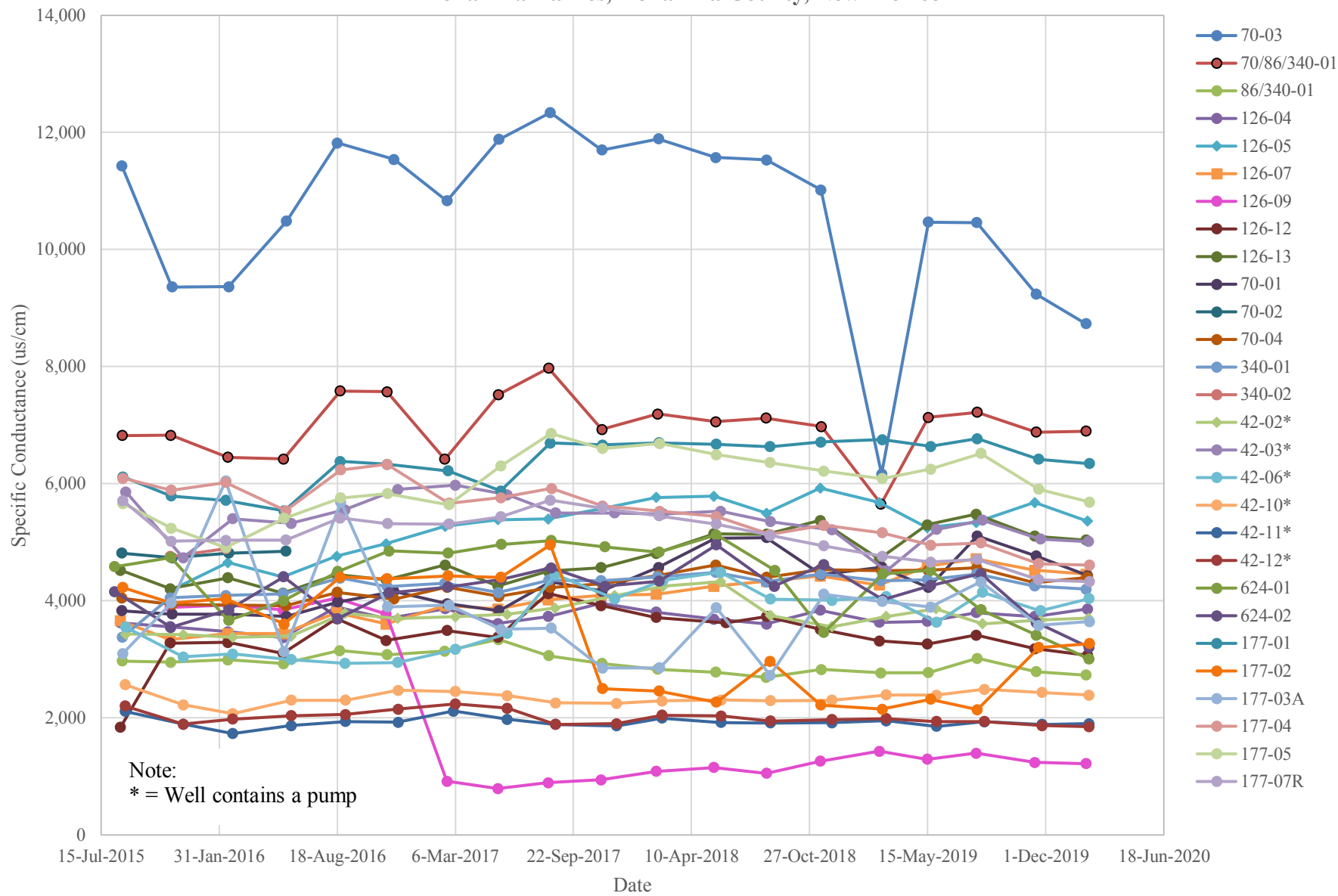


HYDROGRAPHS FOR DP MONITORING WELLS SOUTHERN PORTION DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

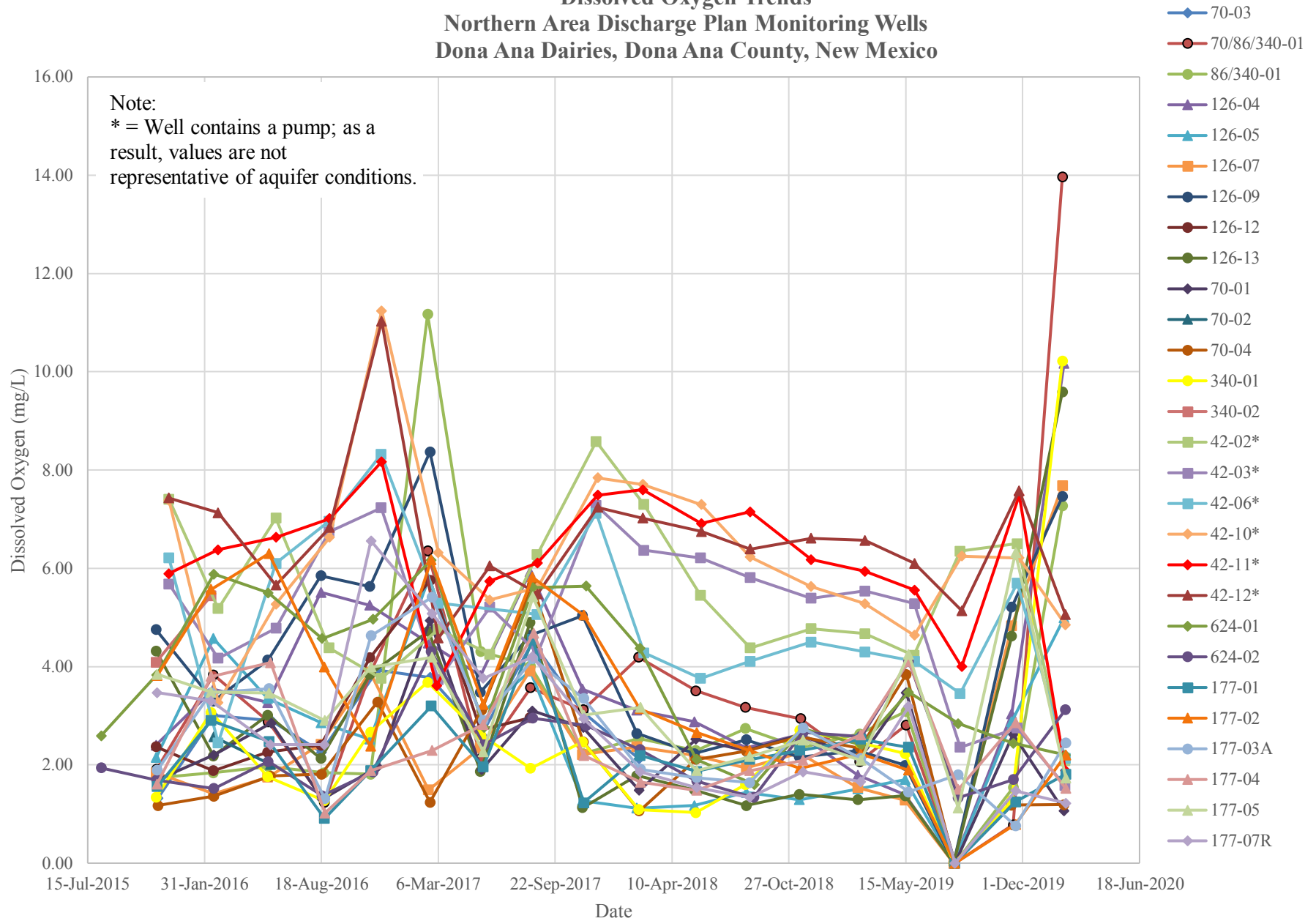


APPENDIX D
FIELD PARAMETER TRENDS BY AREA

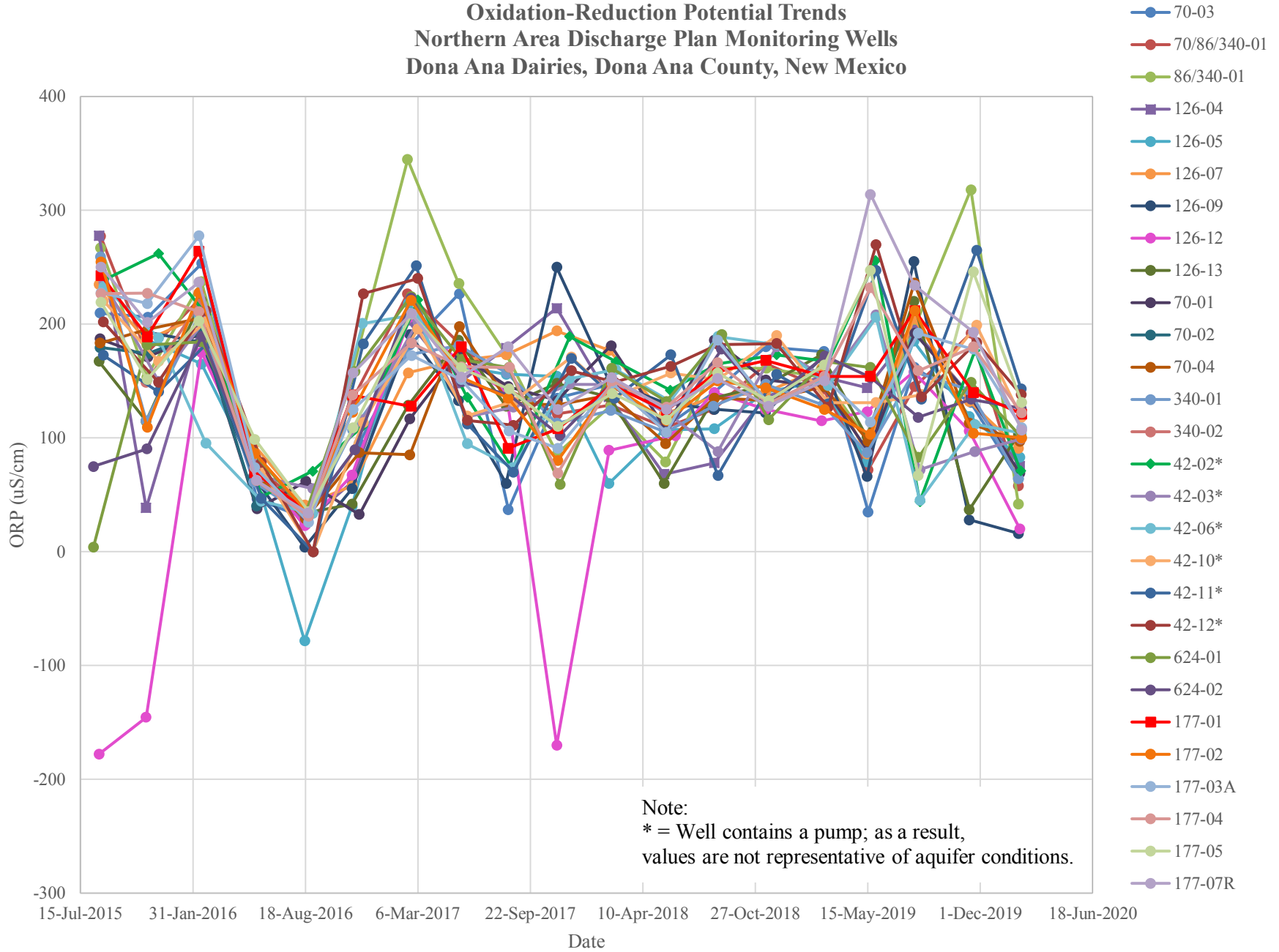
Specific Conductance Trends Northern Area Discharge Plan Monitoring Wells Dona Ana Dairies, Dona Ana County, New Mexico



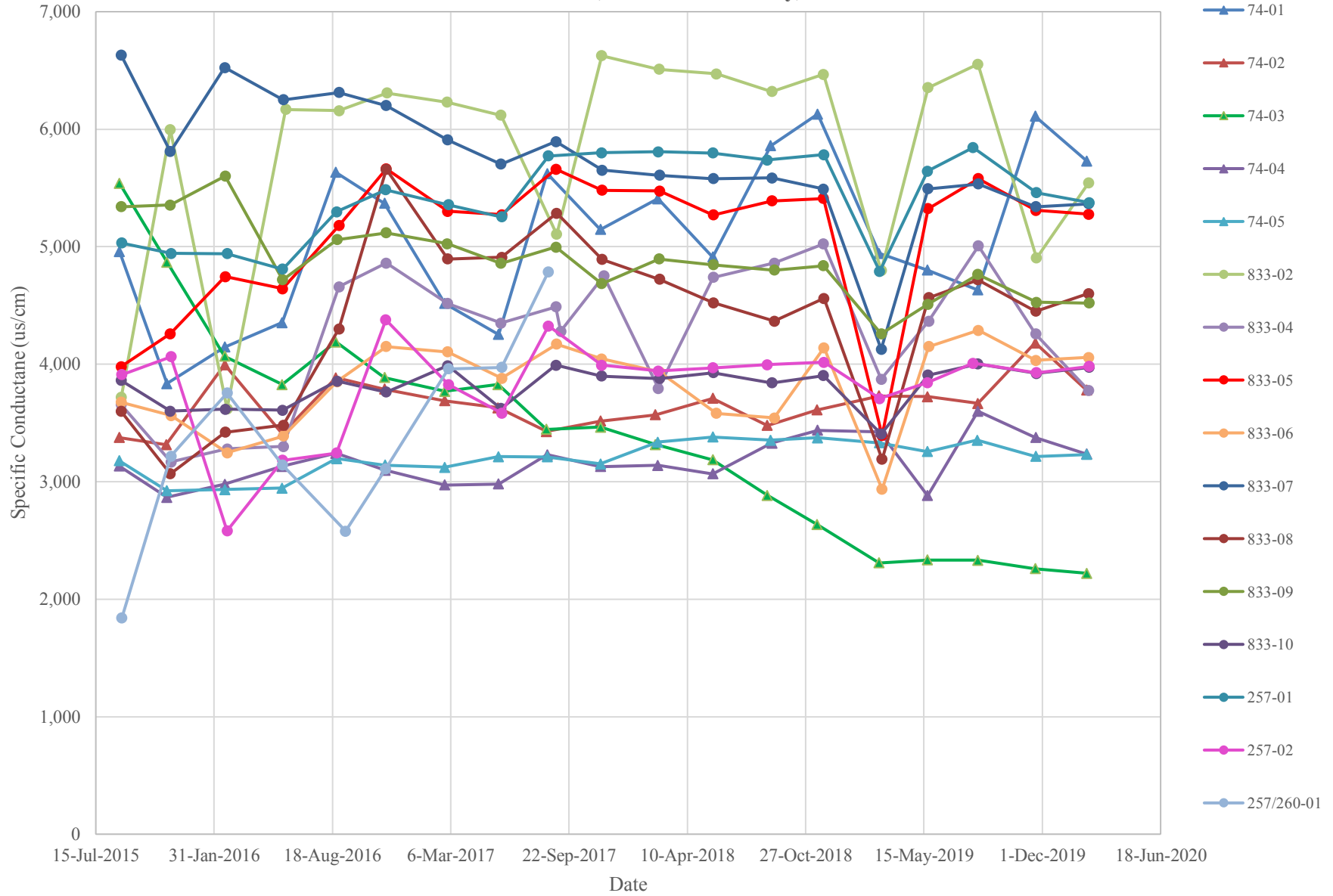
Dissolved Oxygen Trends Northern Area Discharge Plan Monitoring Wells Dona Ana Dairies, Dona Ana County, New Mexico



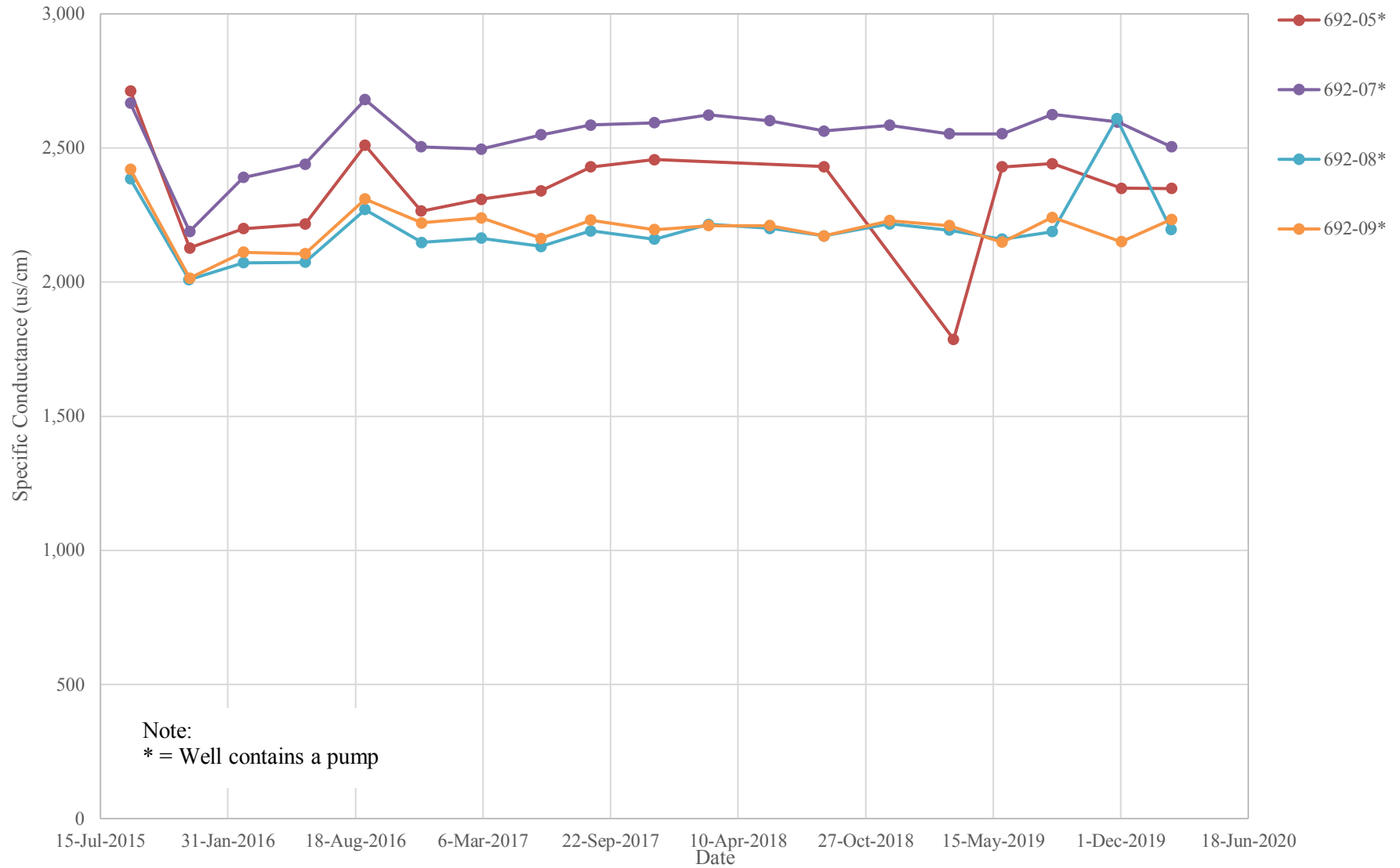
Oxidation-Reduction Potential Trends Northern Area Discharge Plan Monitoring Wells Dona Ana Dairies, Dona Ana County, New Mexico



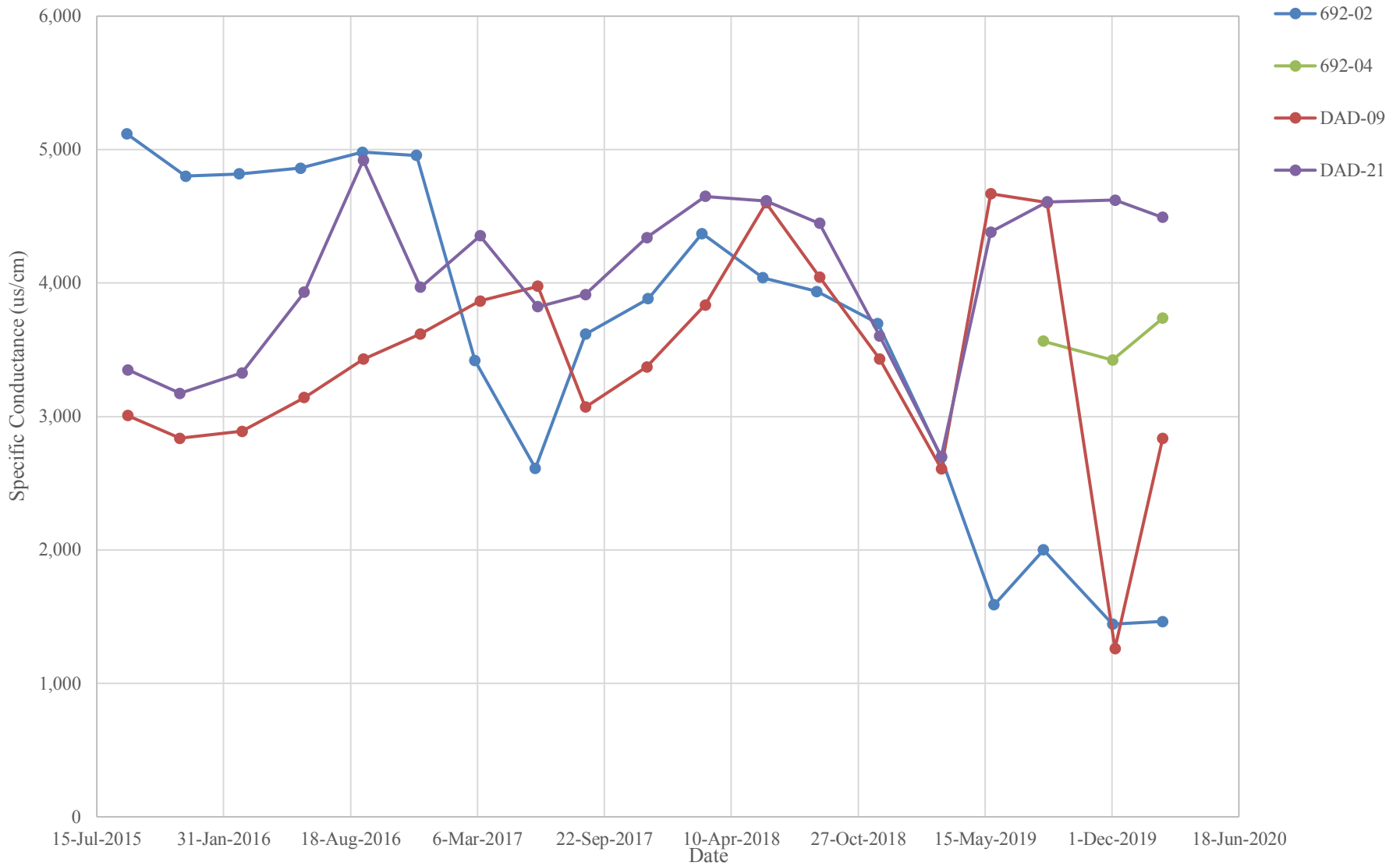
Specific Conductance Trends
Central Area Discharge Plan Monitoring Wells
Dona Ana Dairies, Dona Ana County, New Mexico



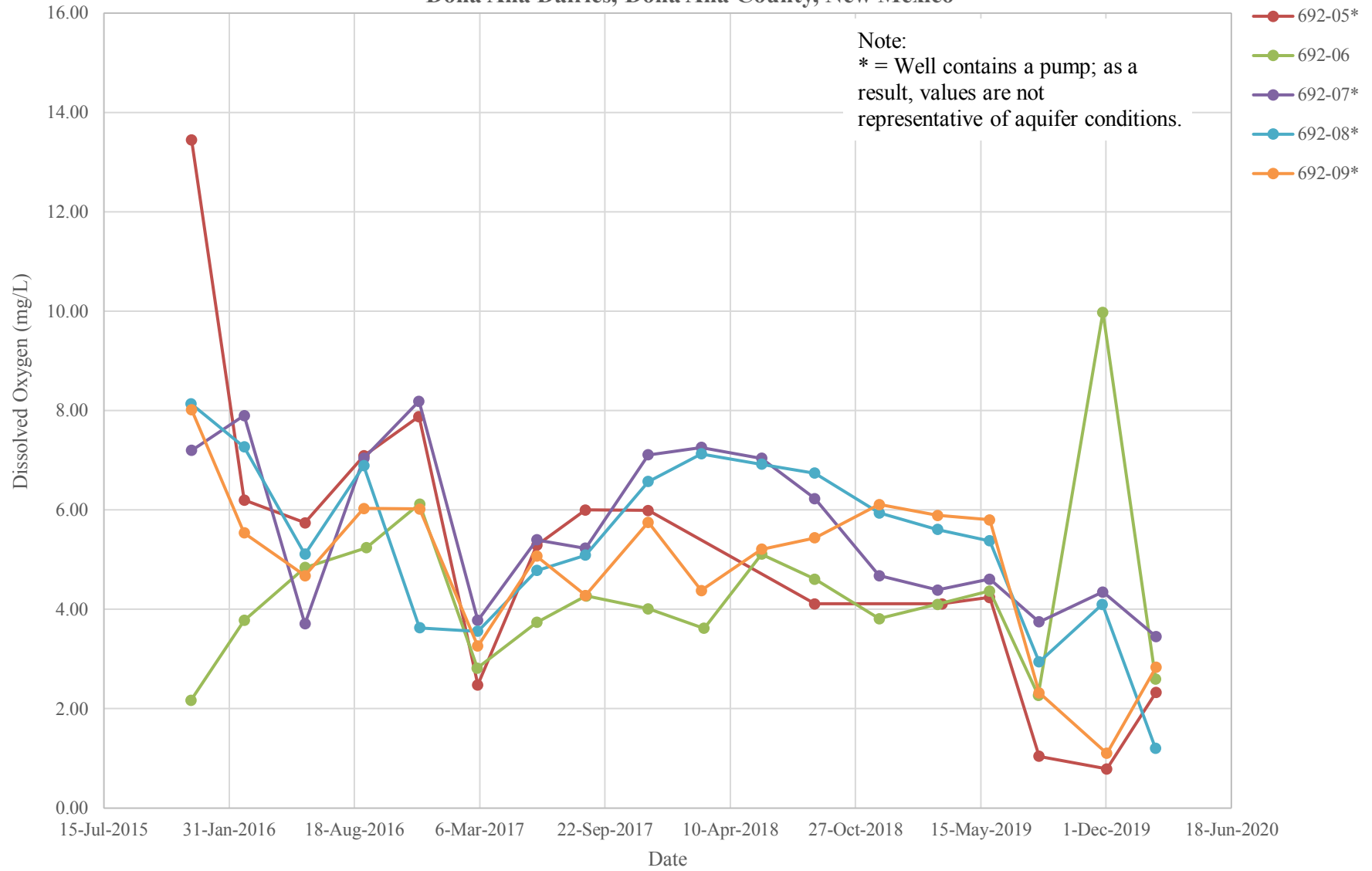
**Specific Conductance Trends
Southern Area Discharge Plan Monitoring Wells
in the Regional Aquifer
Dona Ana Dairies, Dona Ana County, New Mexico**



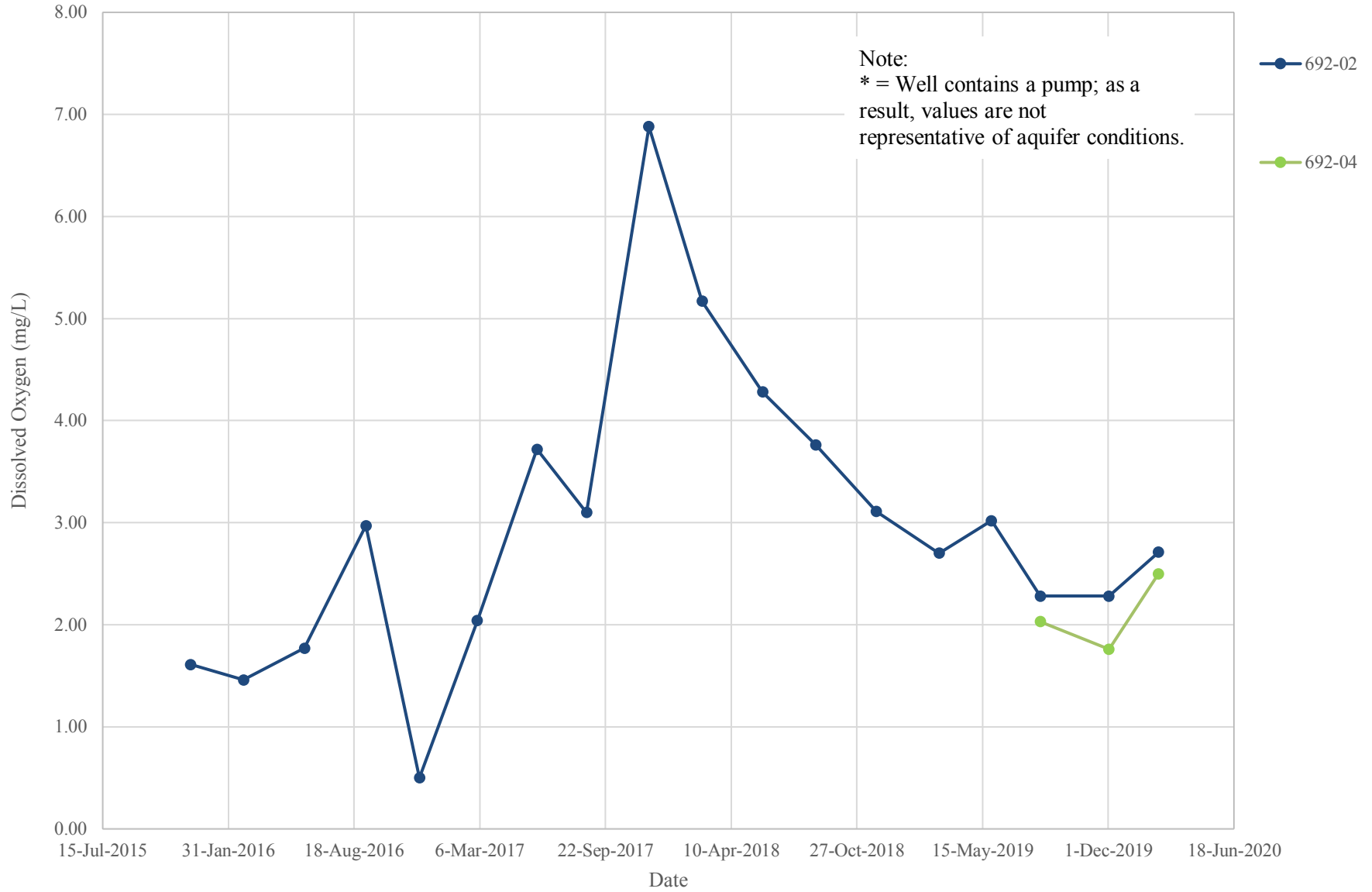
Specific Conductance Trends
Southern Area Discharge Plan Monitoring Wells
in the Perched Aquifer
Dona Ana Dairies, Dona Ana County, New Mexico



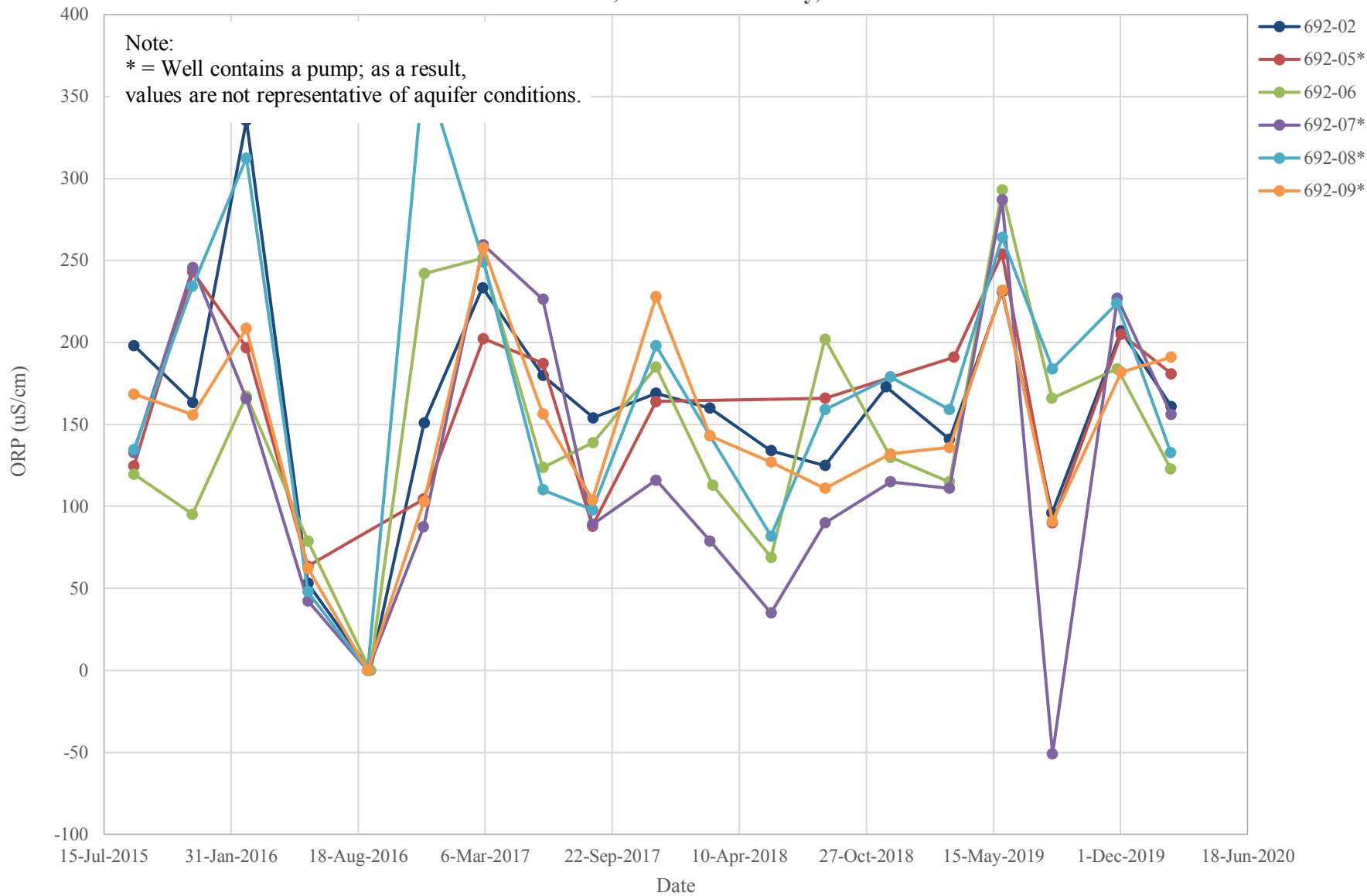
Dissolved Oxygen Trends
Southern Area Discharge Plan Monitoring Wells
in the Regional Aquifer
Dona Ana Dairies, Dona Ana County, New Mexico



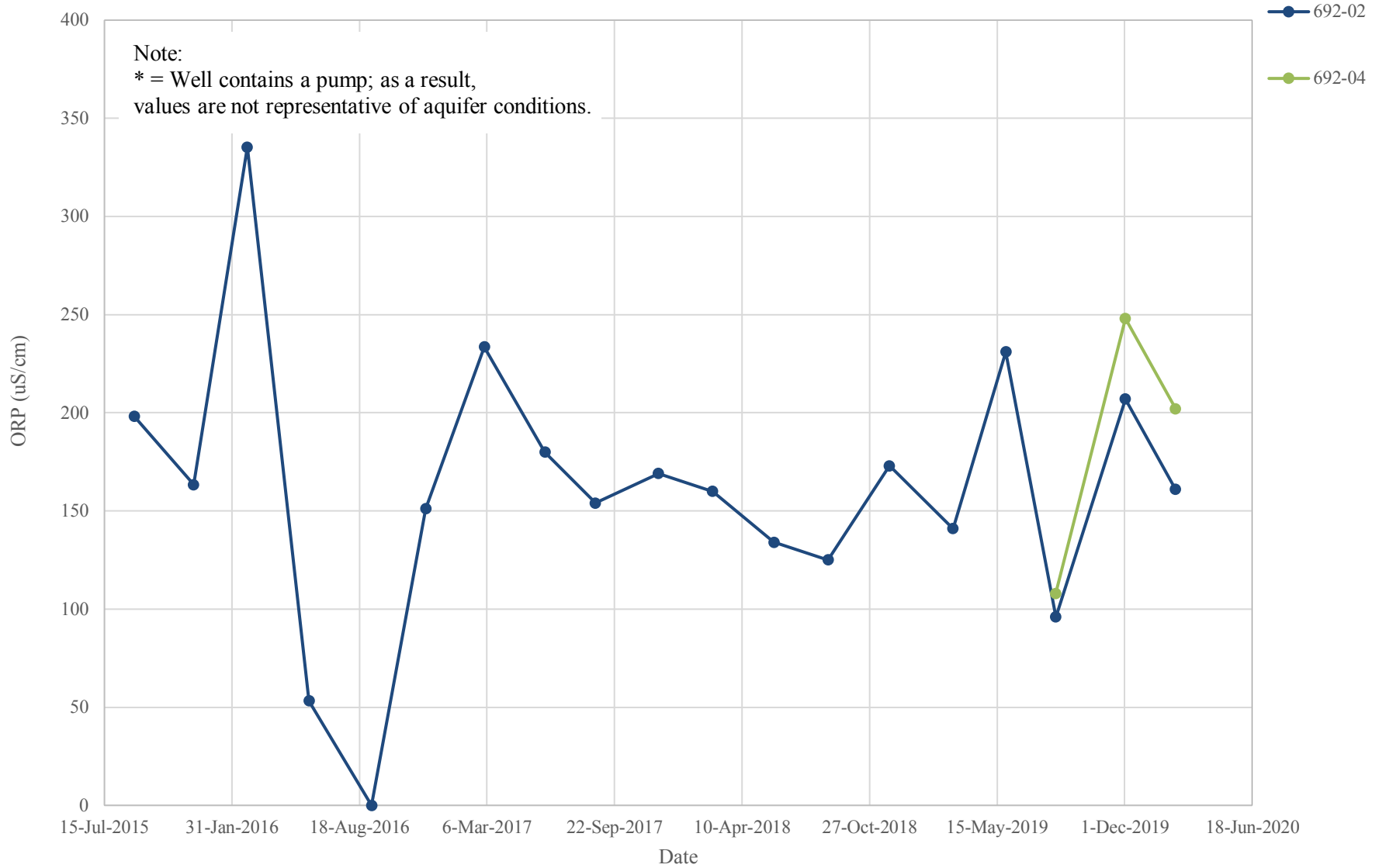
Dissolved Oxygen Trends
Southern Area Discharge Plan Monitoring Wells
Dona Ana Dairies, Dona Ana County, New Mexico



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



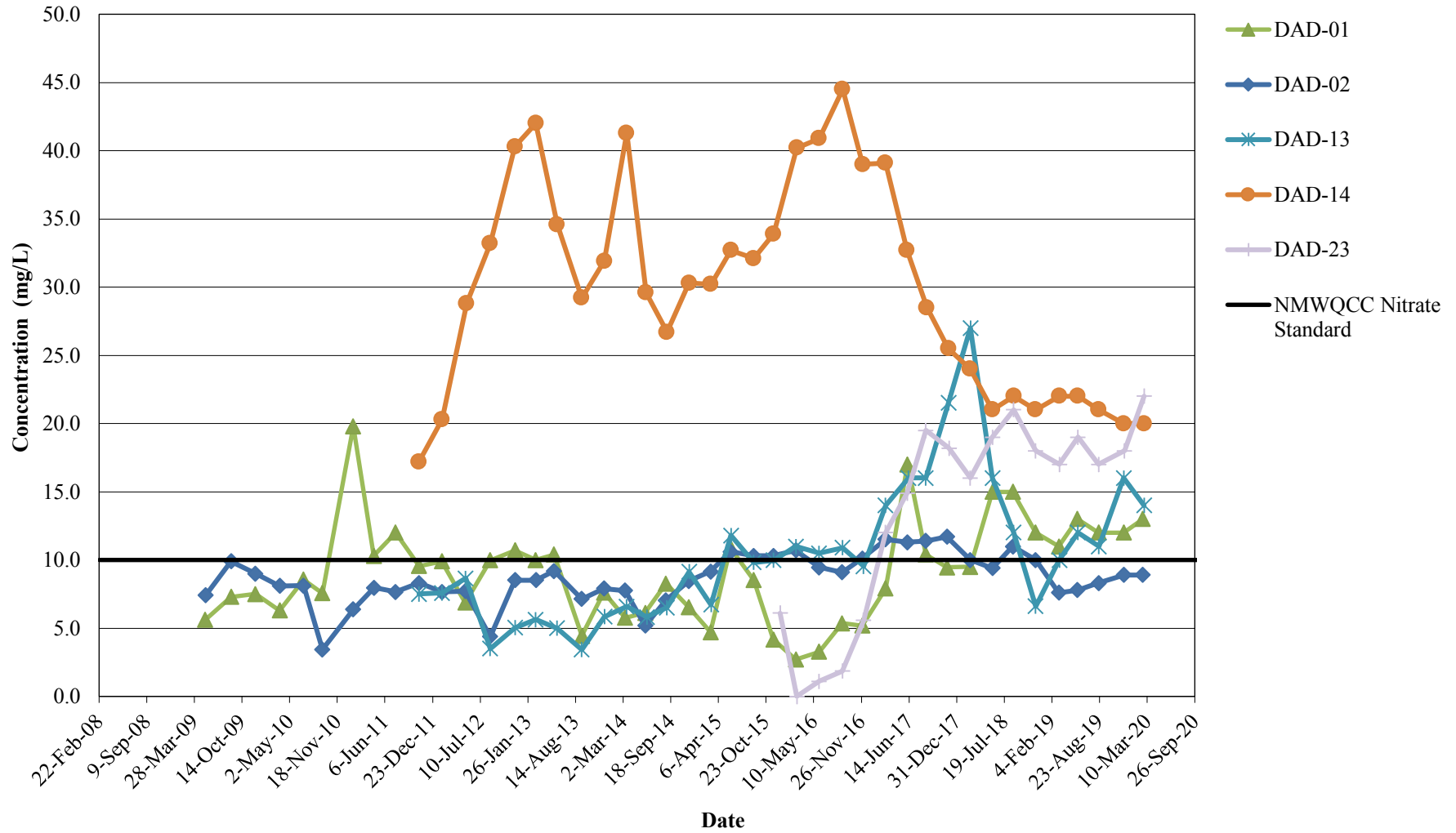
**Oxidation-Reduction Potential Trends
Southern Area Discharge Plan Monitoring Wells
in the Perched Aquifer
Dona Ana Dairies, Dona Ana County, New Mexico**



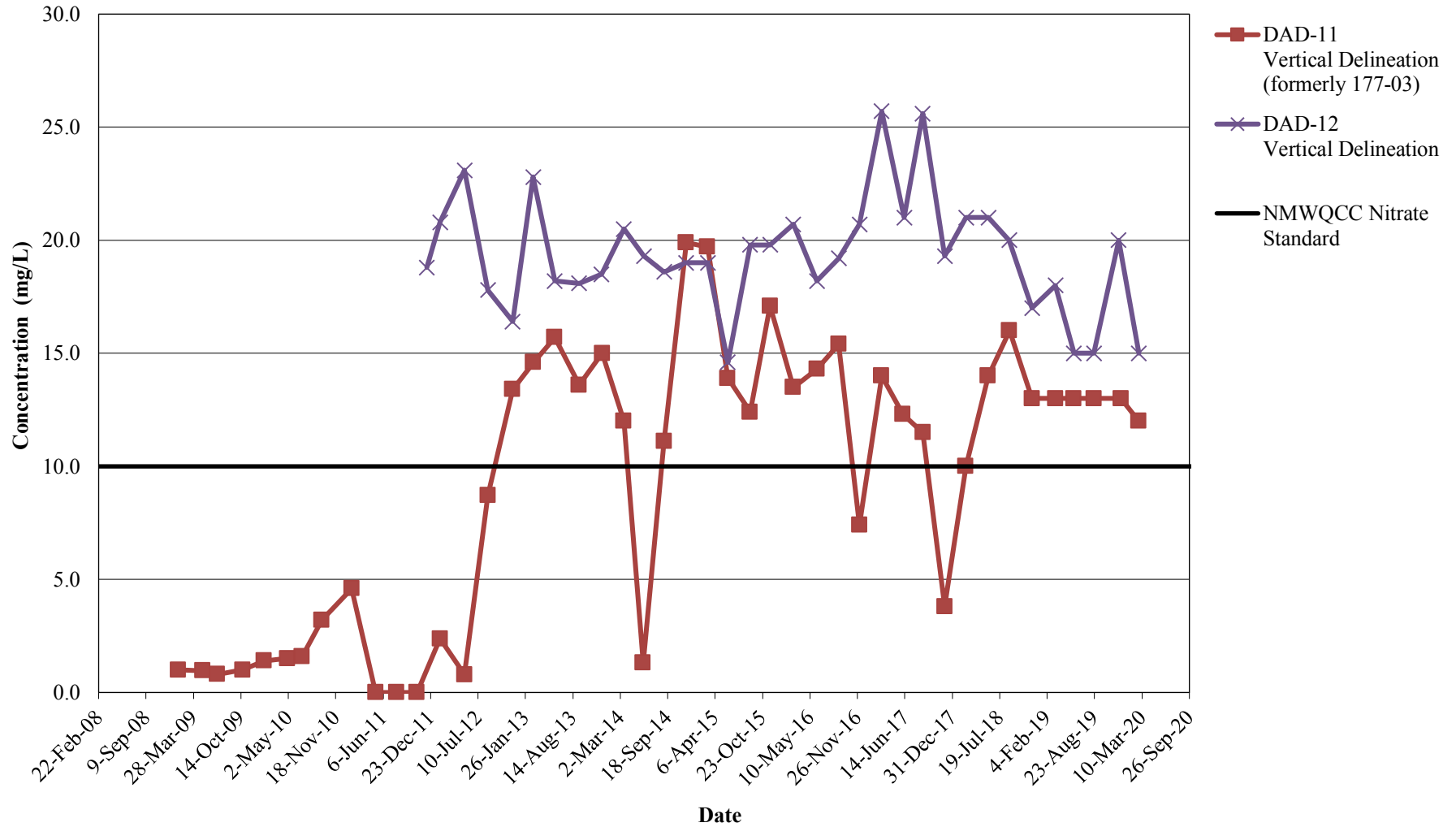
APPENDIX E

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

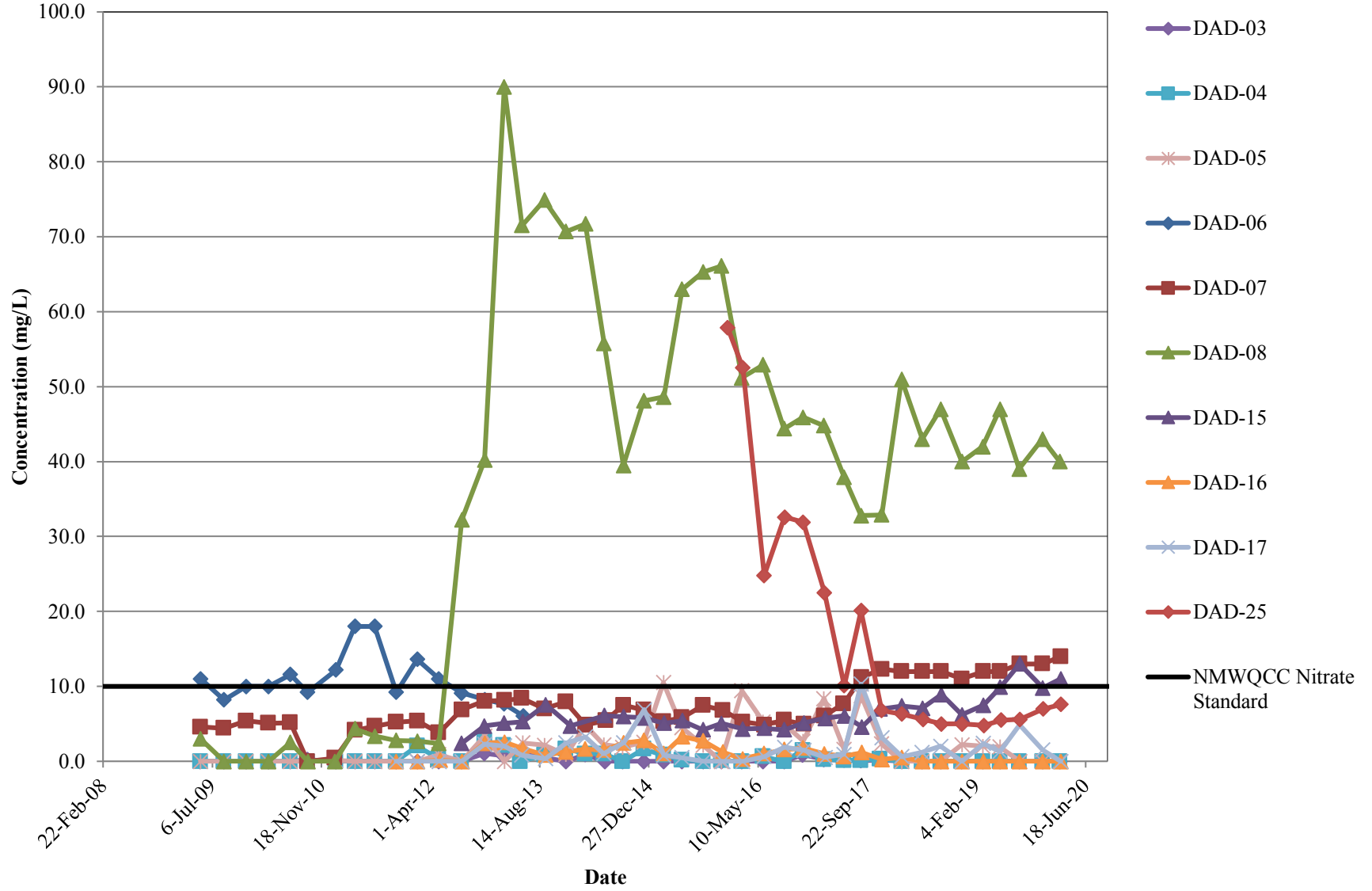
**NITRATE CONCENTRATION TRENDS
 NORTHERN ABATEMENT PLAN MONITORING WELLS
 DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



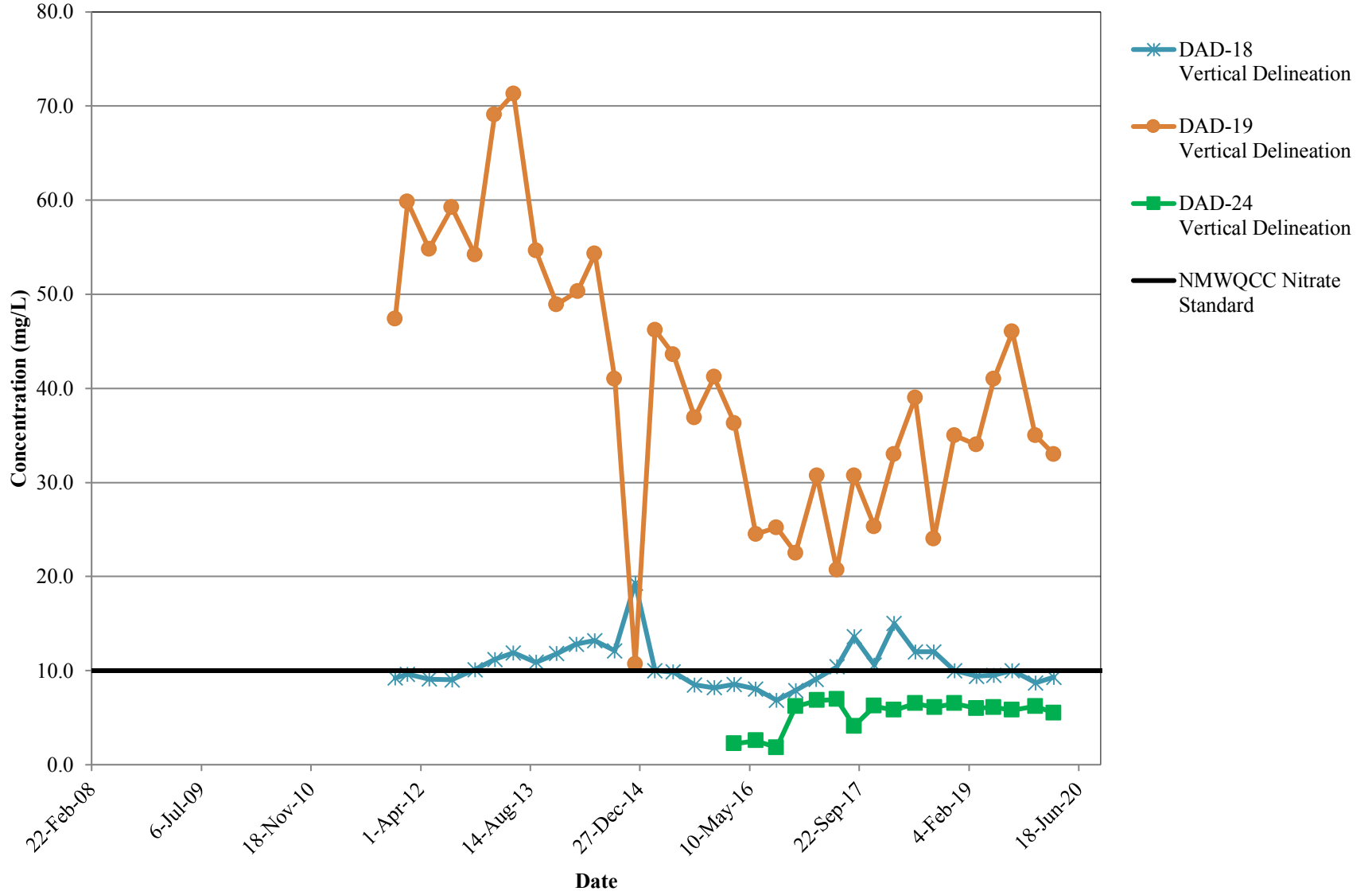
**NITRATE CONCENTRATION TRENDS
 NORTHERN ABATEMENT PLAN MONITORING WELLS -
 VERTICAL DELINEATION
 DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



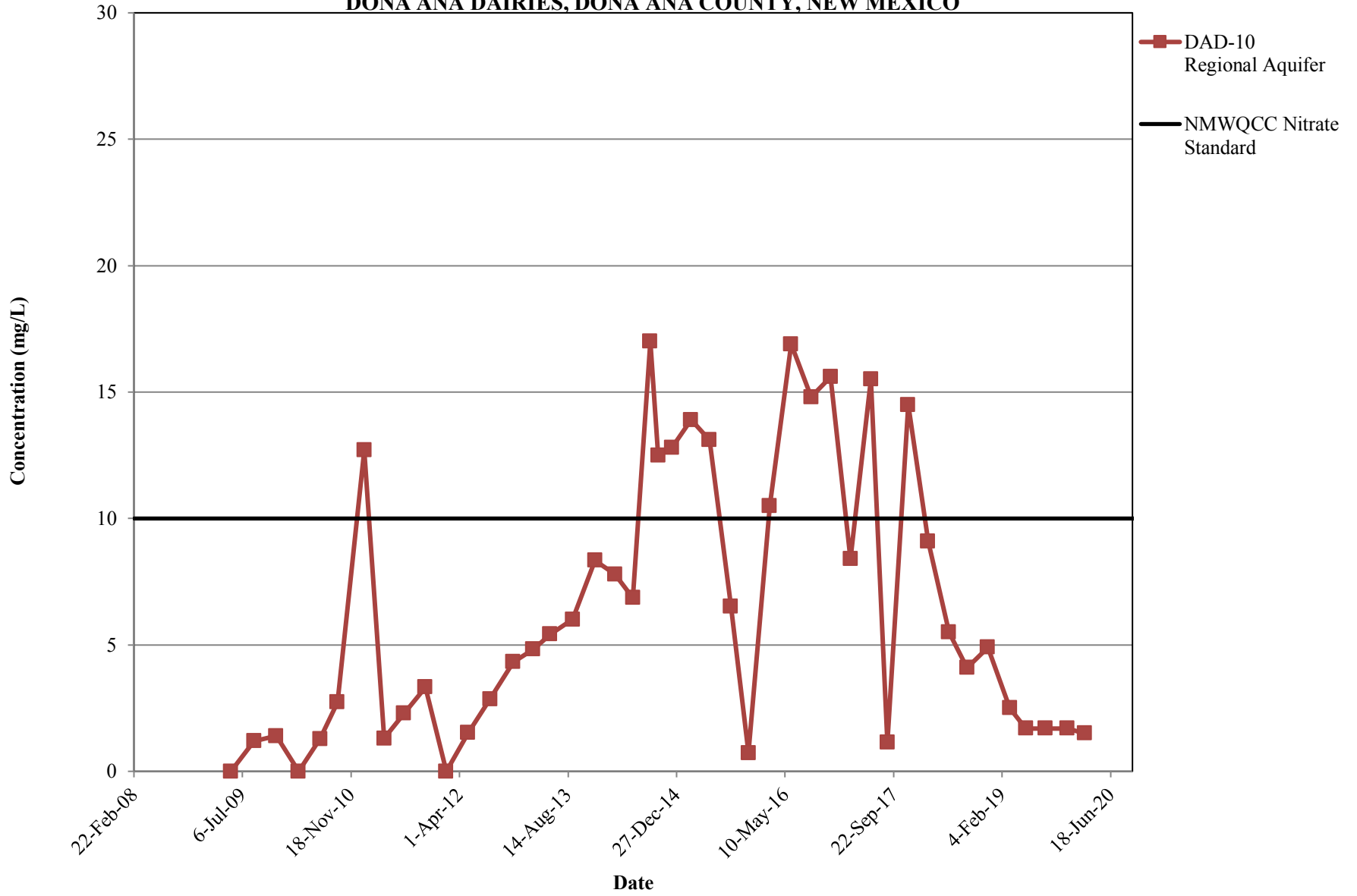
**NITRATE CONCENTRATION TRENDS
CENTRAL ABATEMENT PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



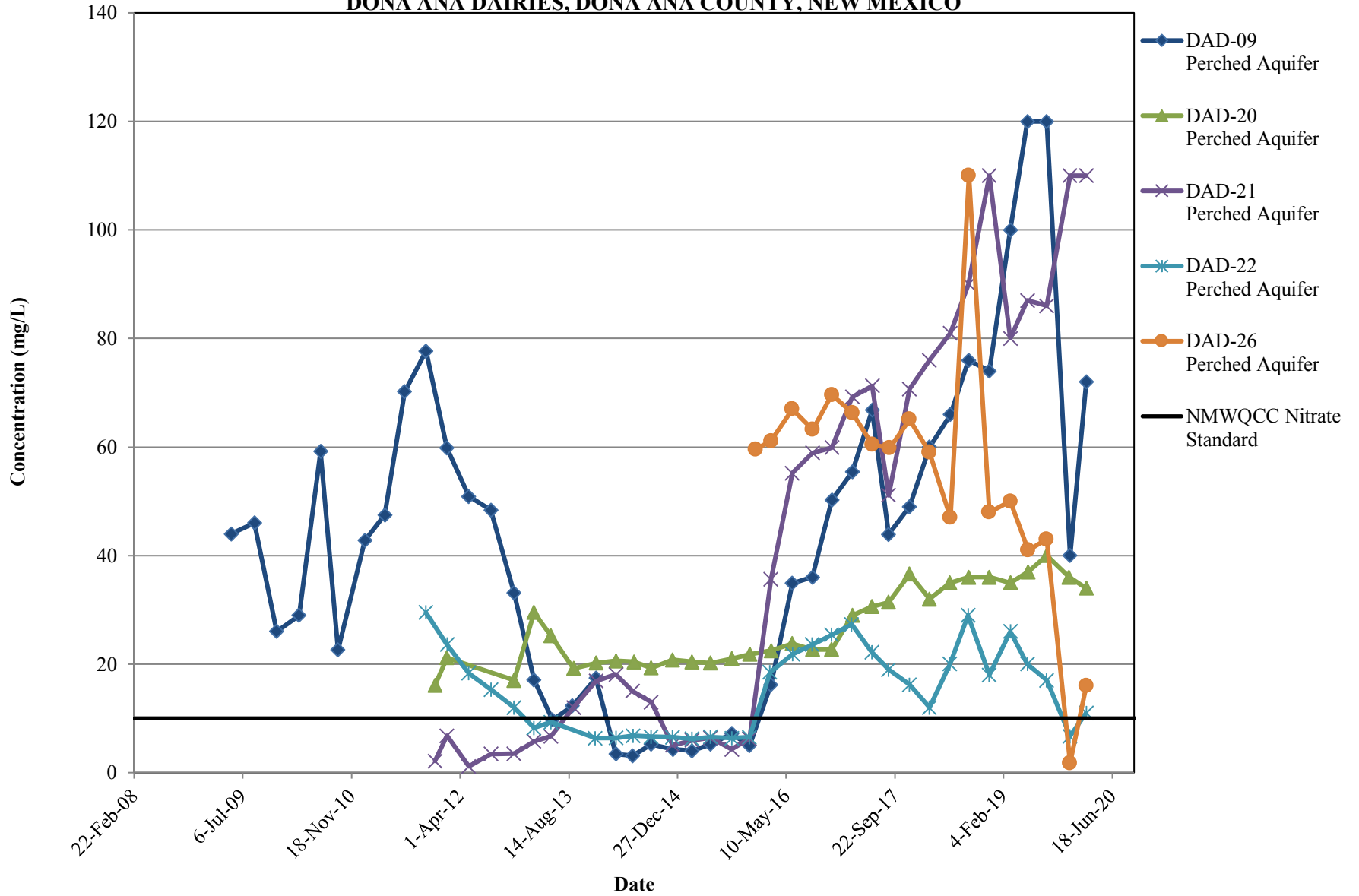
**NITRATE CONCENTRATION TRENDS
 CENTRAL ABATEMENT PLAN MONITORING WELLS -
 VERTICAL DELINEATION
 DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



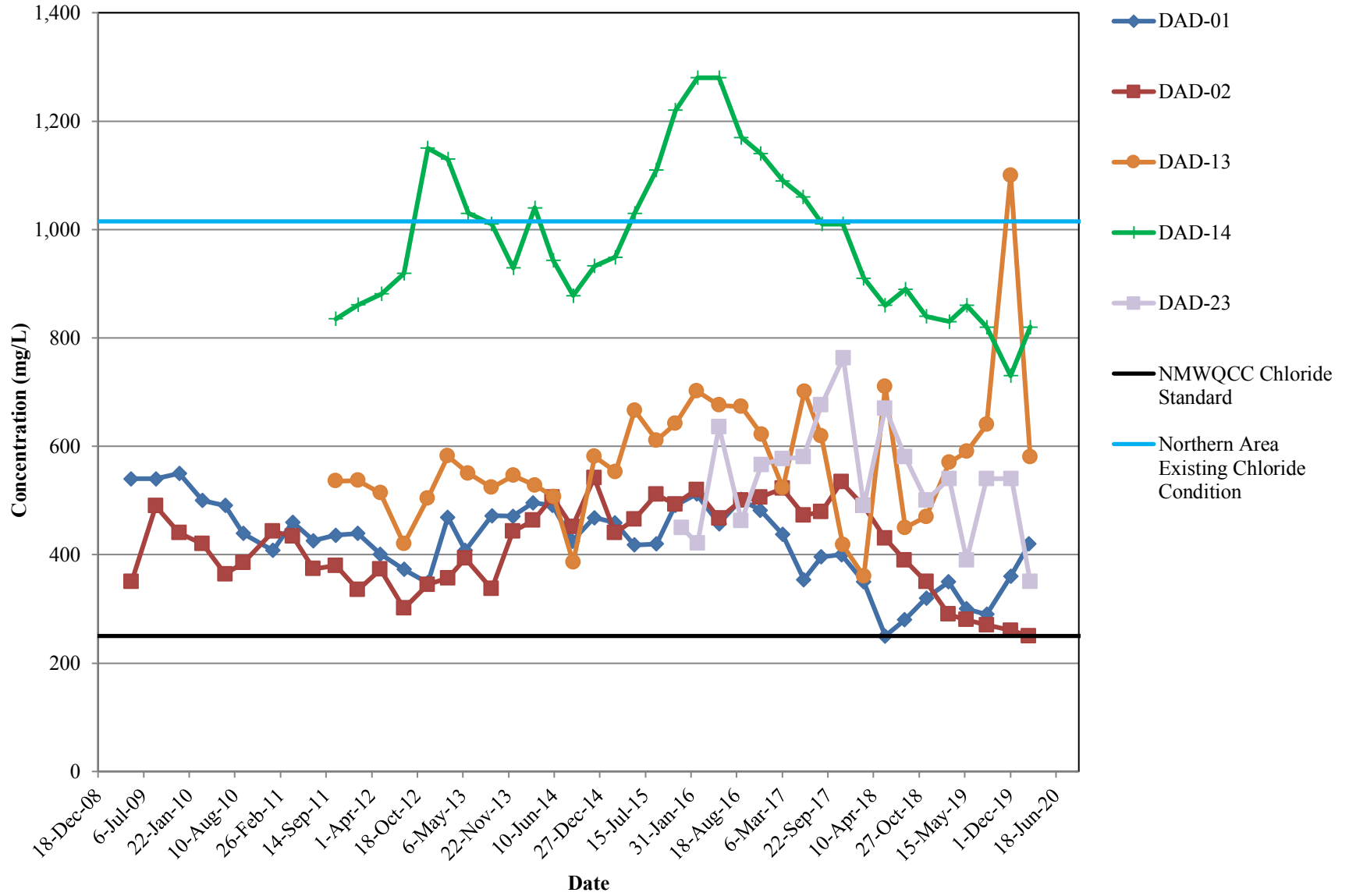
**NITRATE CONCENTRATION TRENDS
SOUTHERN ABATEMENT PLAN MONITORING WELLS
IN THE REGIONAL AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



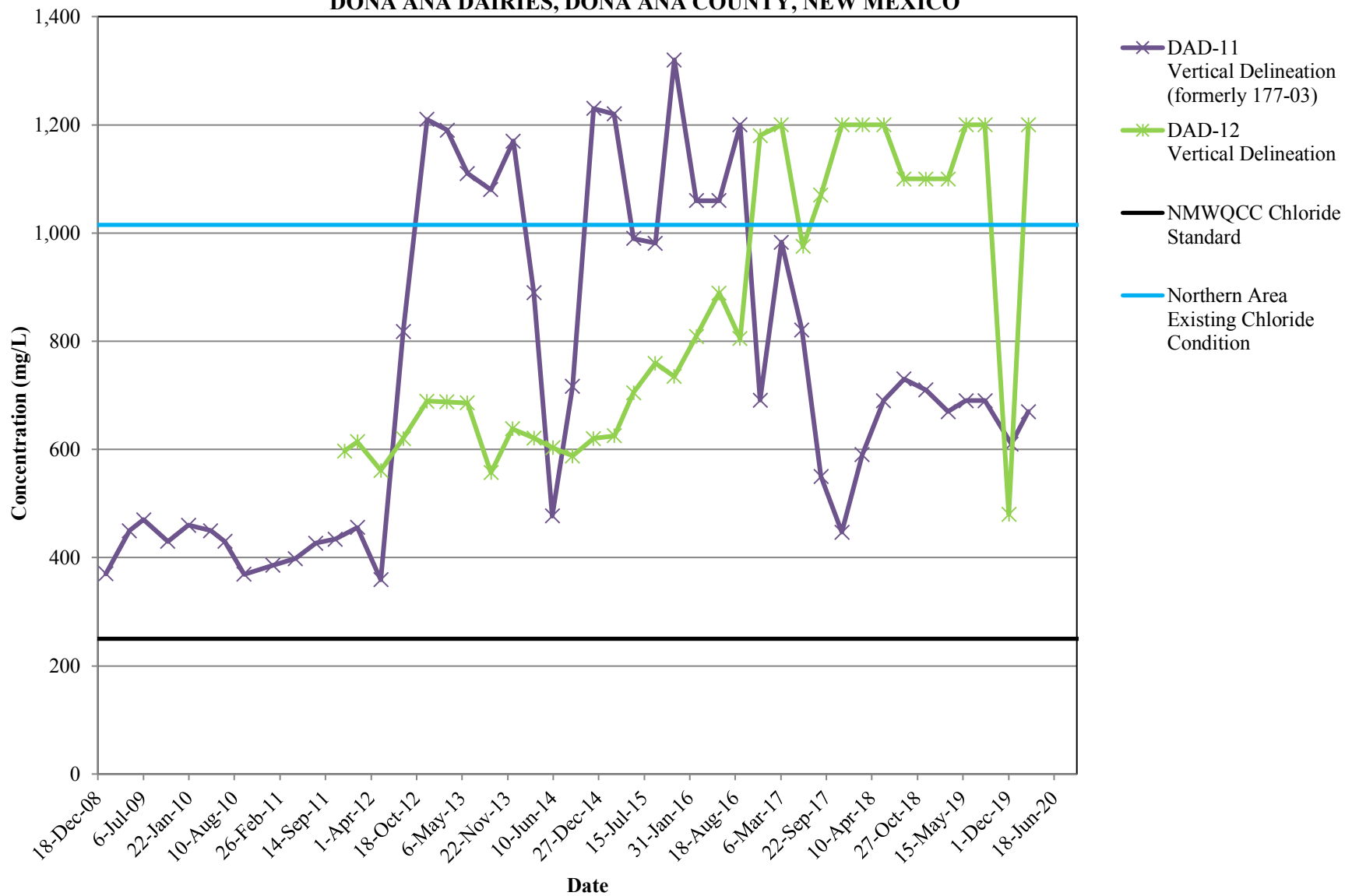
**NITRATE CONCENTRATION TRENDS
SOUTHERN ABATEMENT PLAN MONITORING WELLS
IN THE PERCHED AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



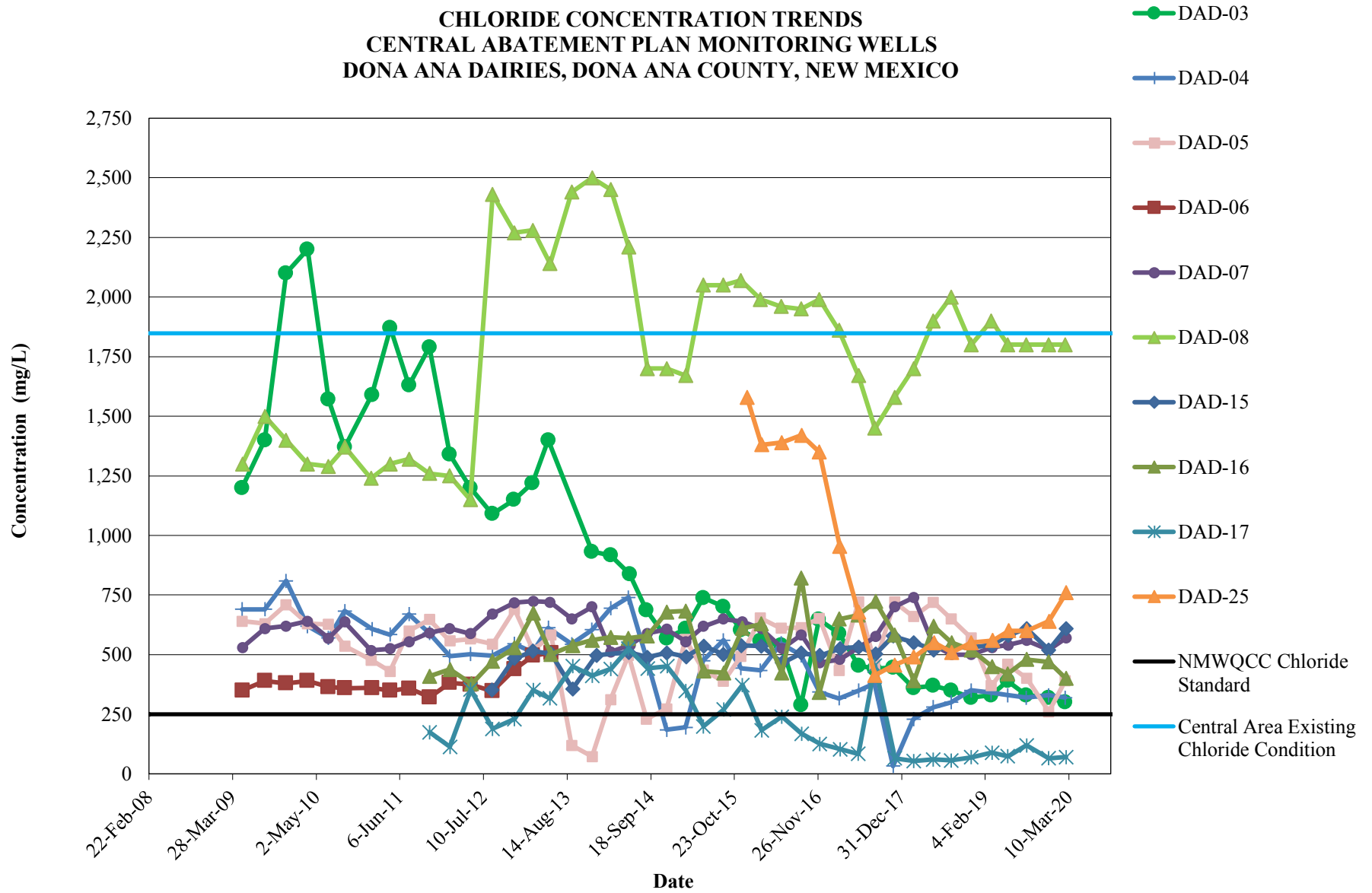
**CHLORIDE CONCENTRATION TRENDS
 NORTHERN ABATEMENT PLAN MONITORING WELLS
 DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



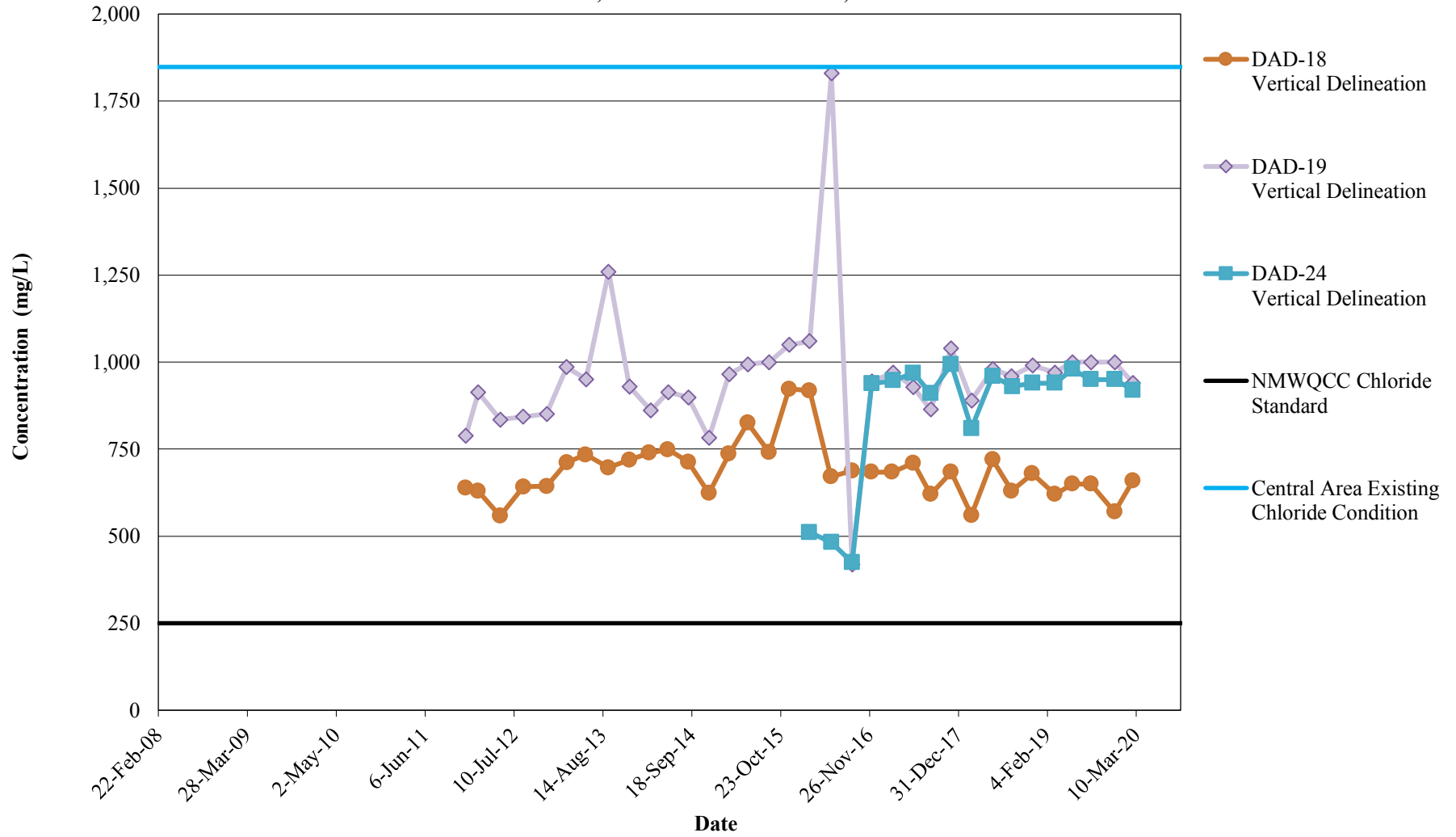
**CHLORIDE CONCENTRATION TRENDS
 NORTHERN ABATEMENT PLAN MONITORING WELLS -
 VERTICAL DELINEATION
 DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



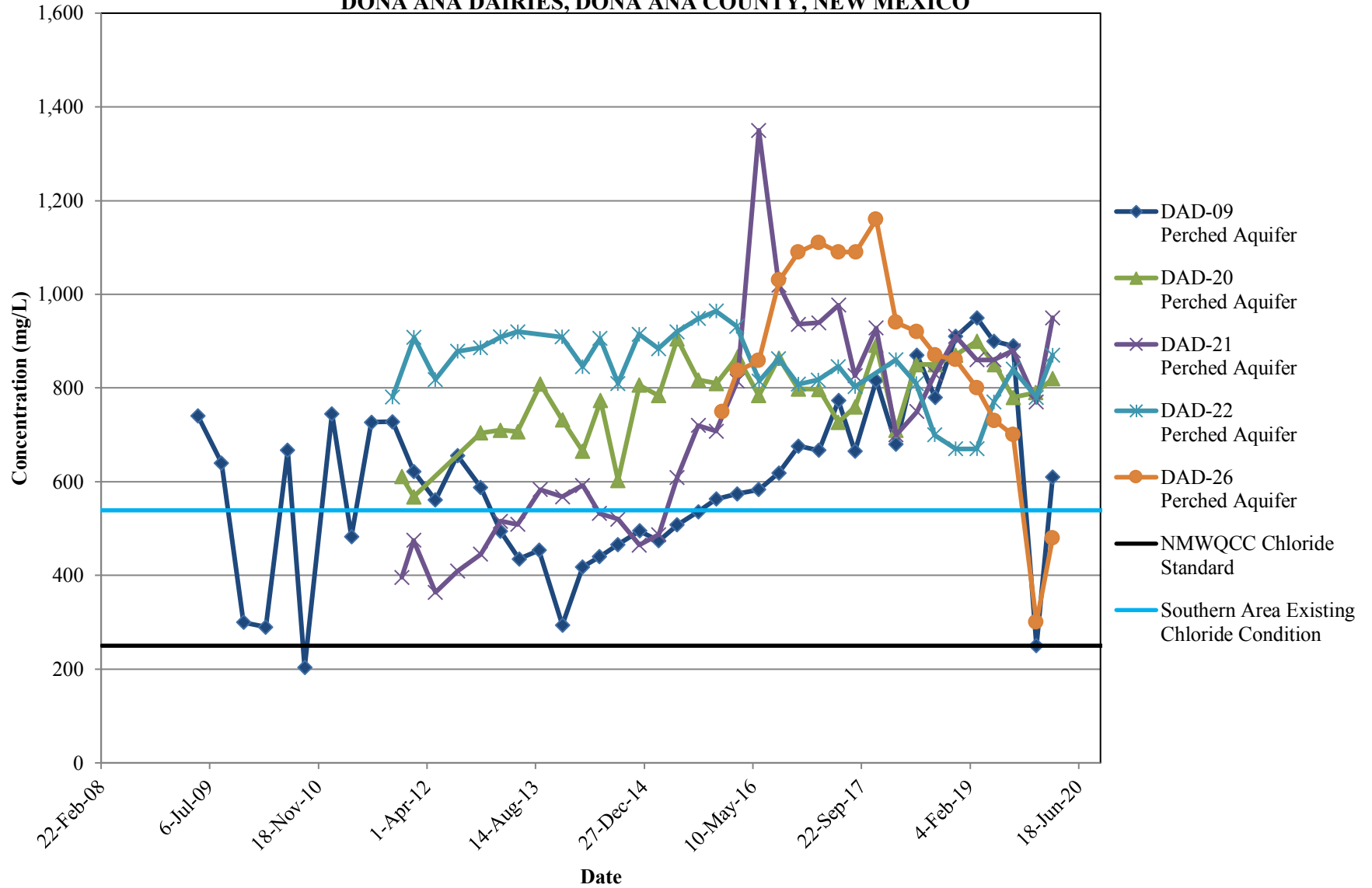
**CHLORIDE CONCENTRATION TRENDS
CENTRAL ABATEMENT PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



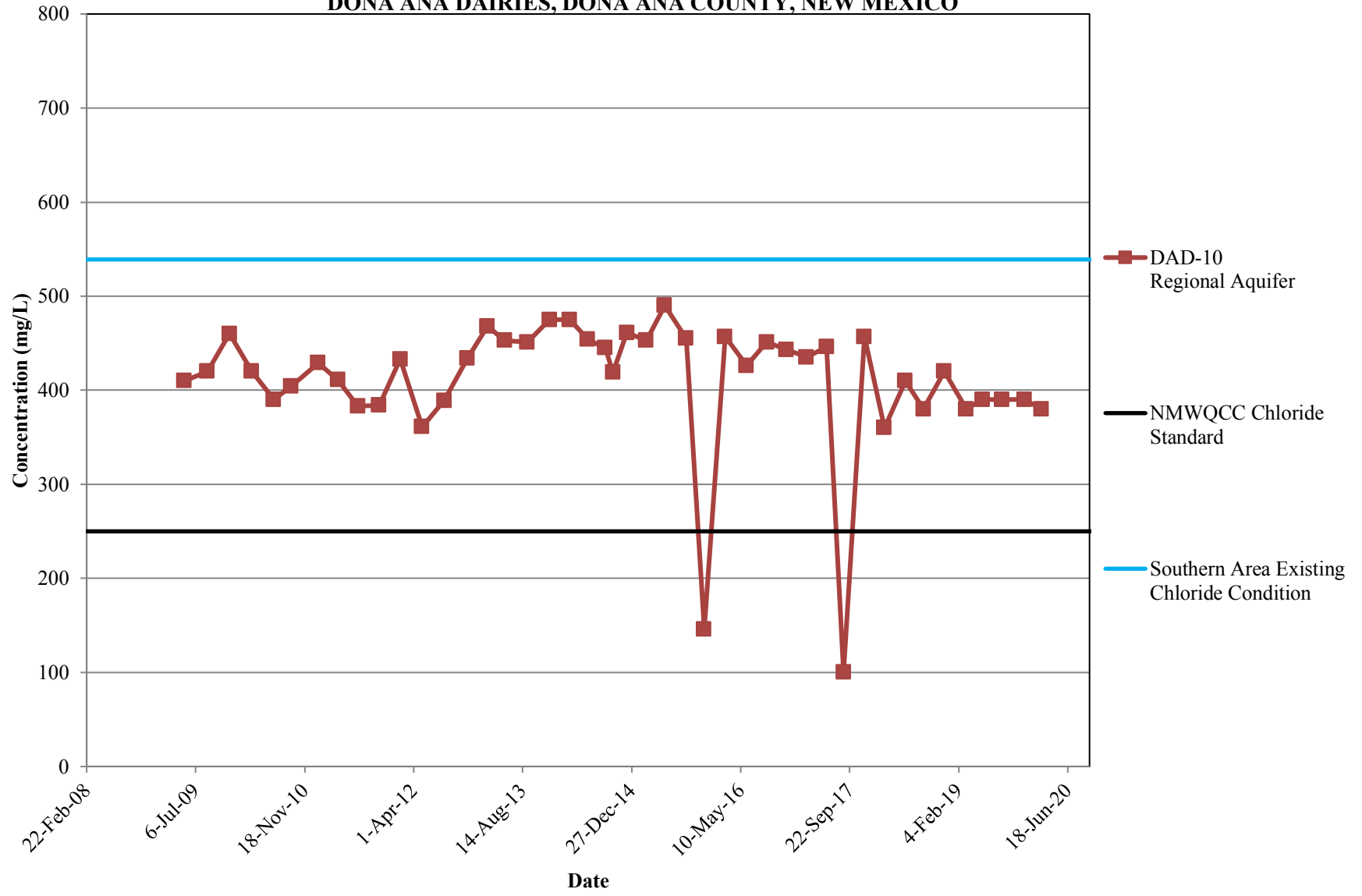
**CHLORIDE CONCENTRATION TRENDS
CENTRAL ABATEMENT PLAN MONITORING WELLS -
VERTICAL DELINEATION
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



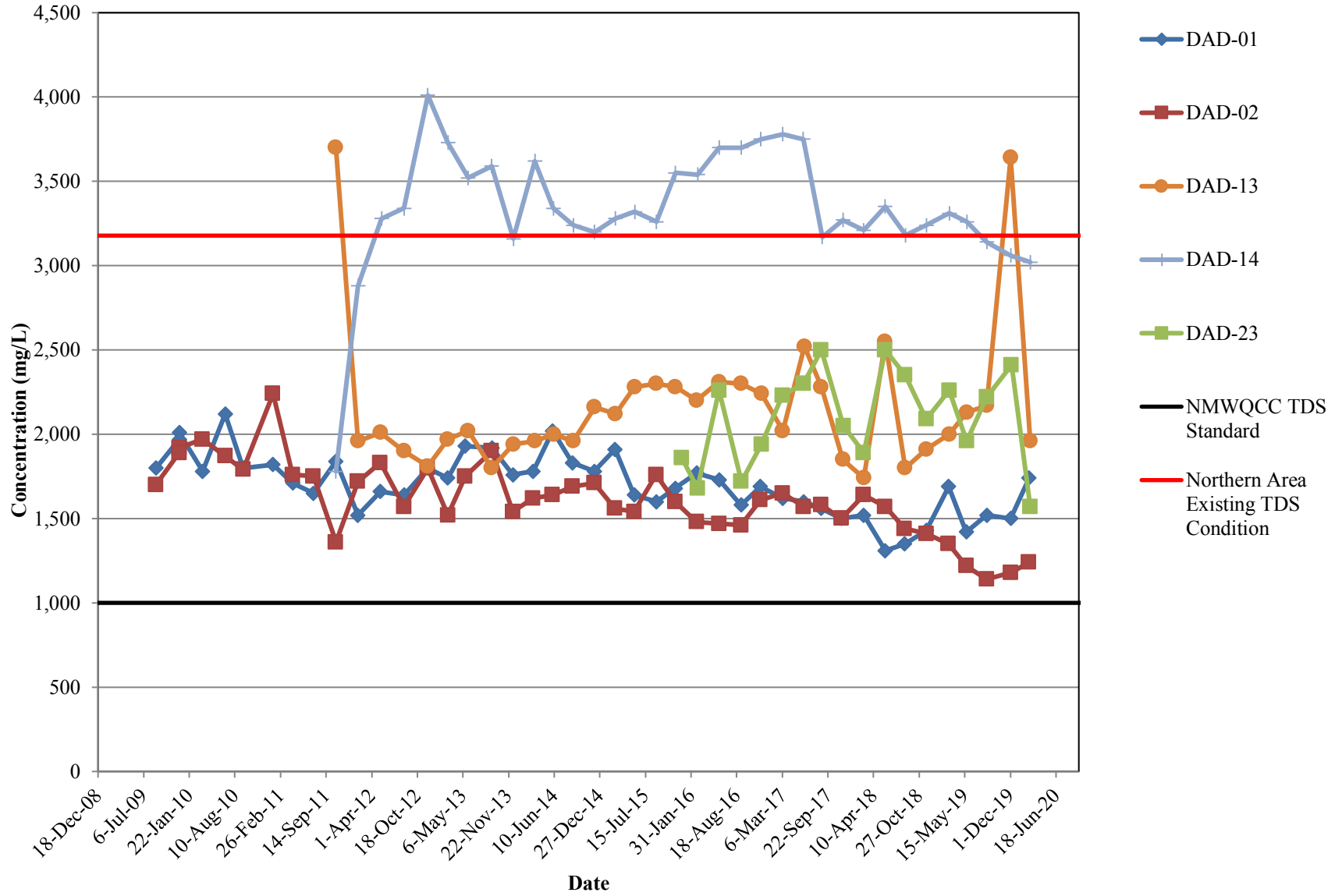
**CHLORIDE CONCENTRATION TRENDS
SOUTHERN ABATEMENT PLAN MONITORING WELLS
IN THE PERCHED AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



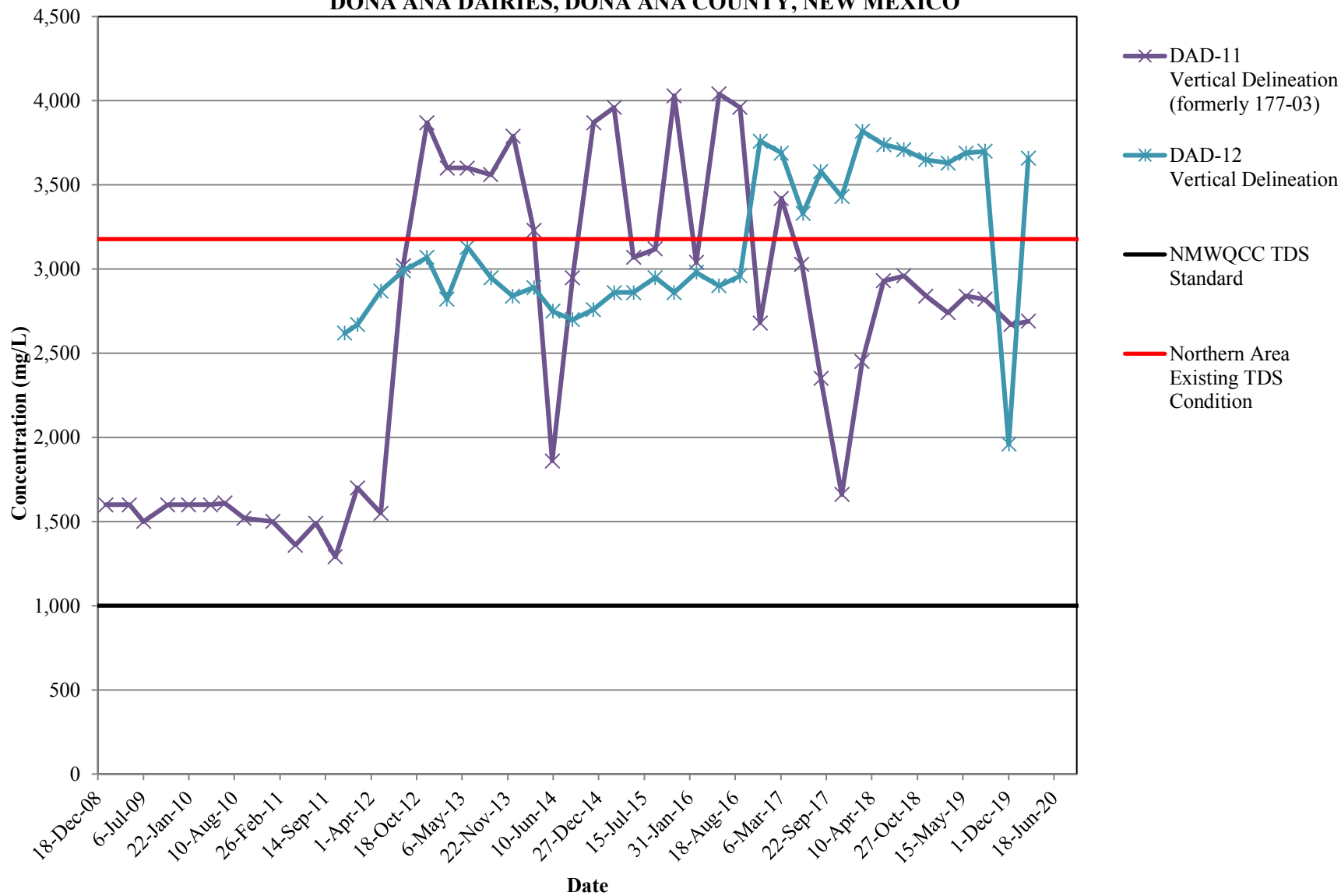
**CHLORIDE CONCENTRATION TRENDS
SOUTHERN ABATEMENT PLAN MONITORING WELLS
IN THE REGIONAL AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



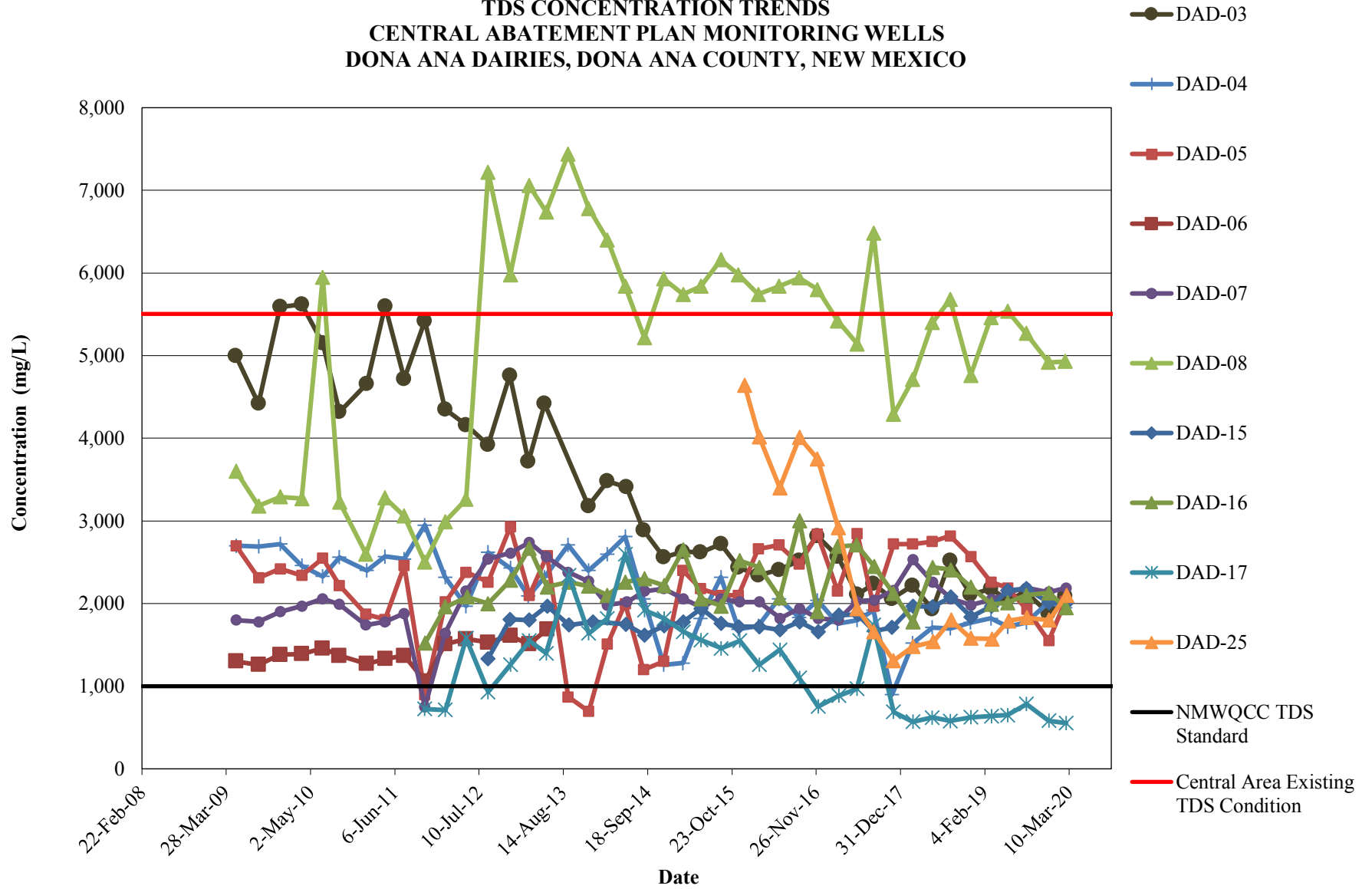
**TDS CONCENTRATION TRENDS
NORTHERN ABATEMENT PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



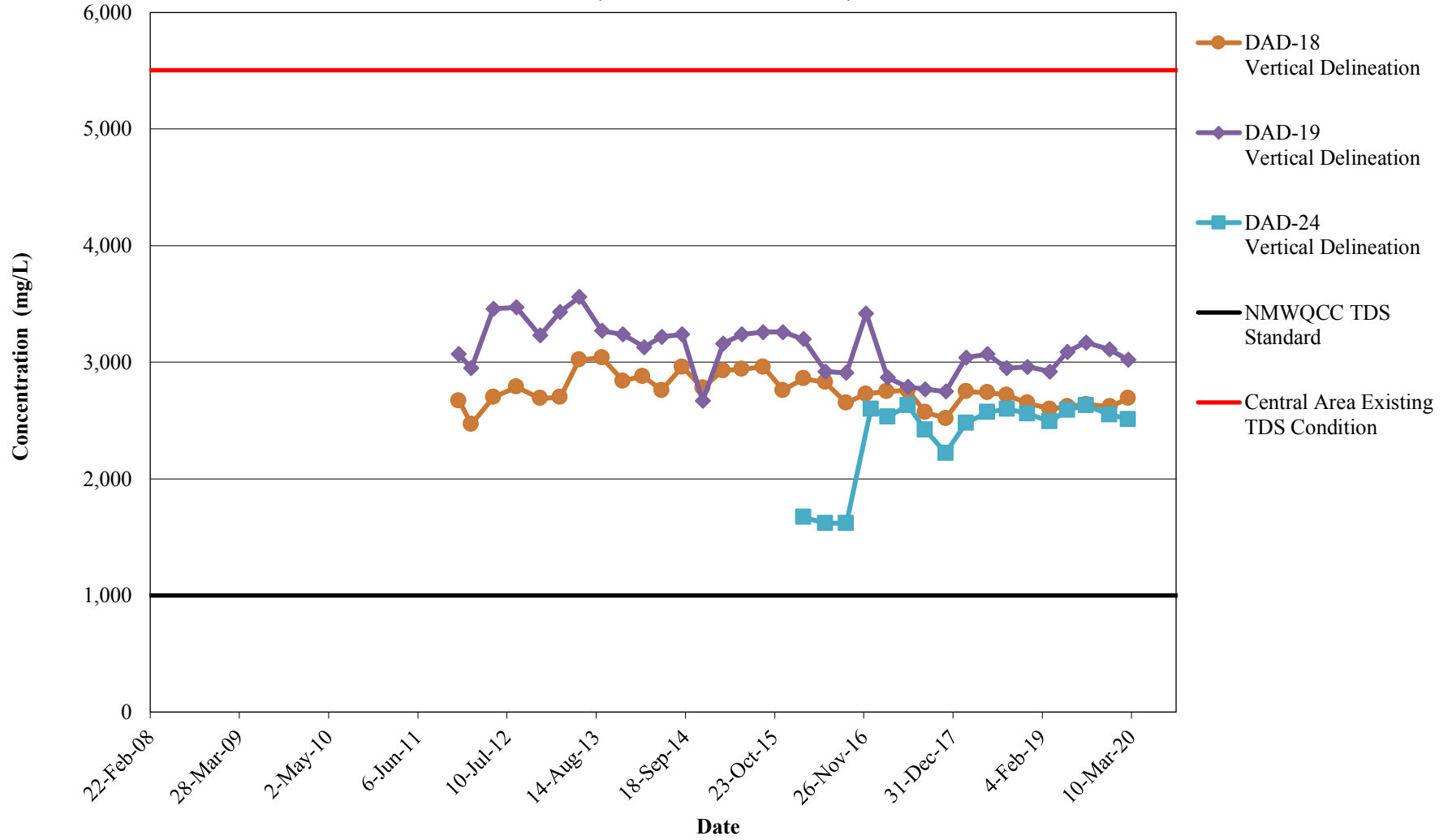
**TDS CONCENTRATION TRENDS
 NORTHERN ABATEMENT PLAN MONITORING WELLS -
 VERTICAL DELINEATION
 DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



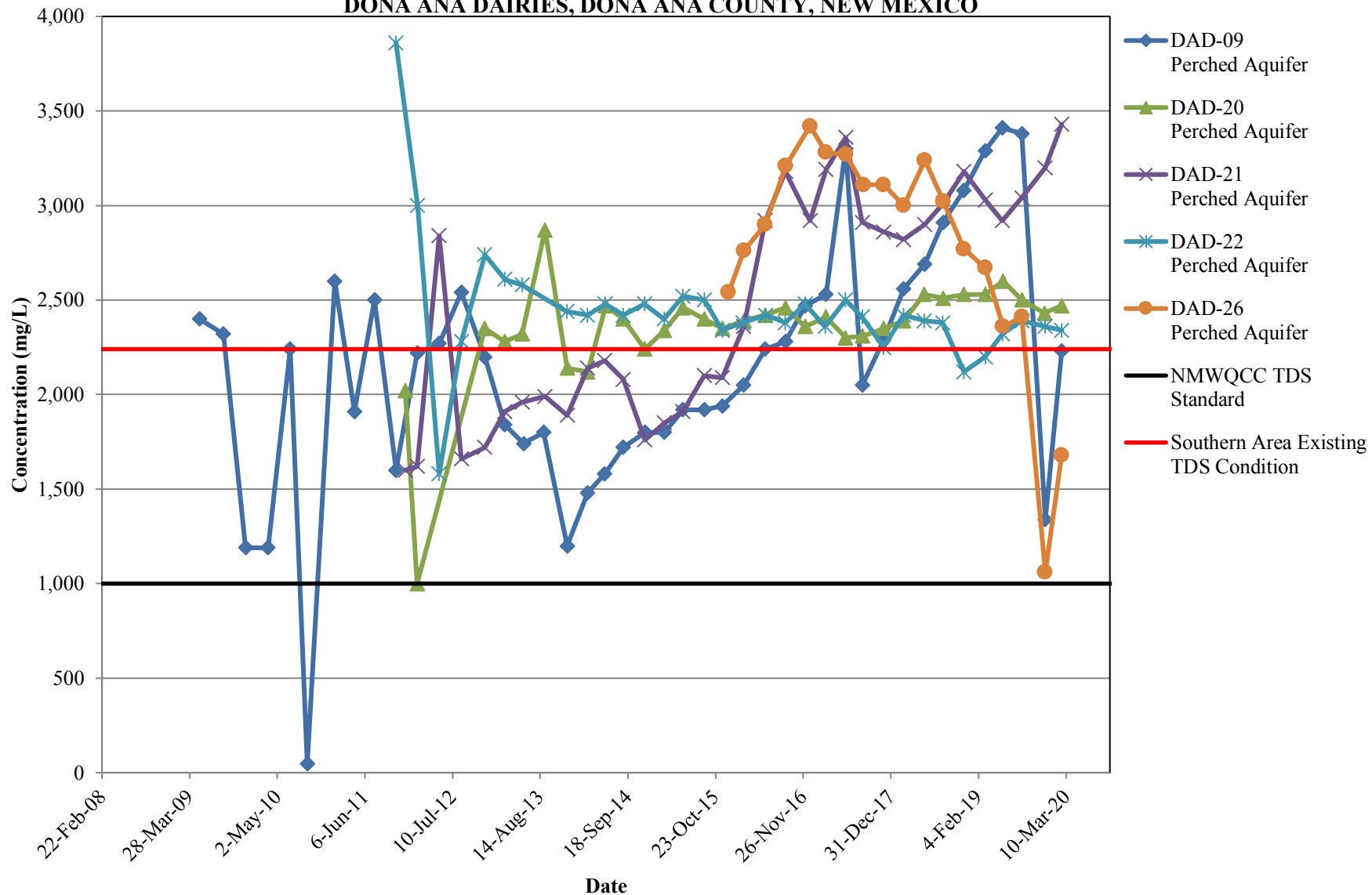
**TDS CONCENTRATION TRENDS
CENTRAL ABATEMENT PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



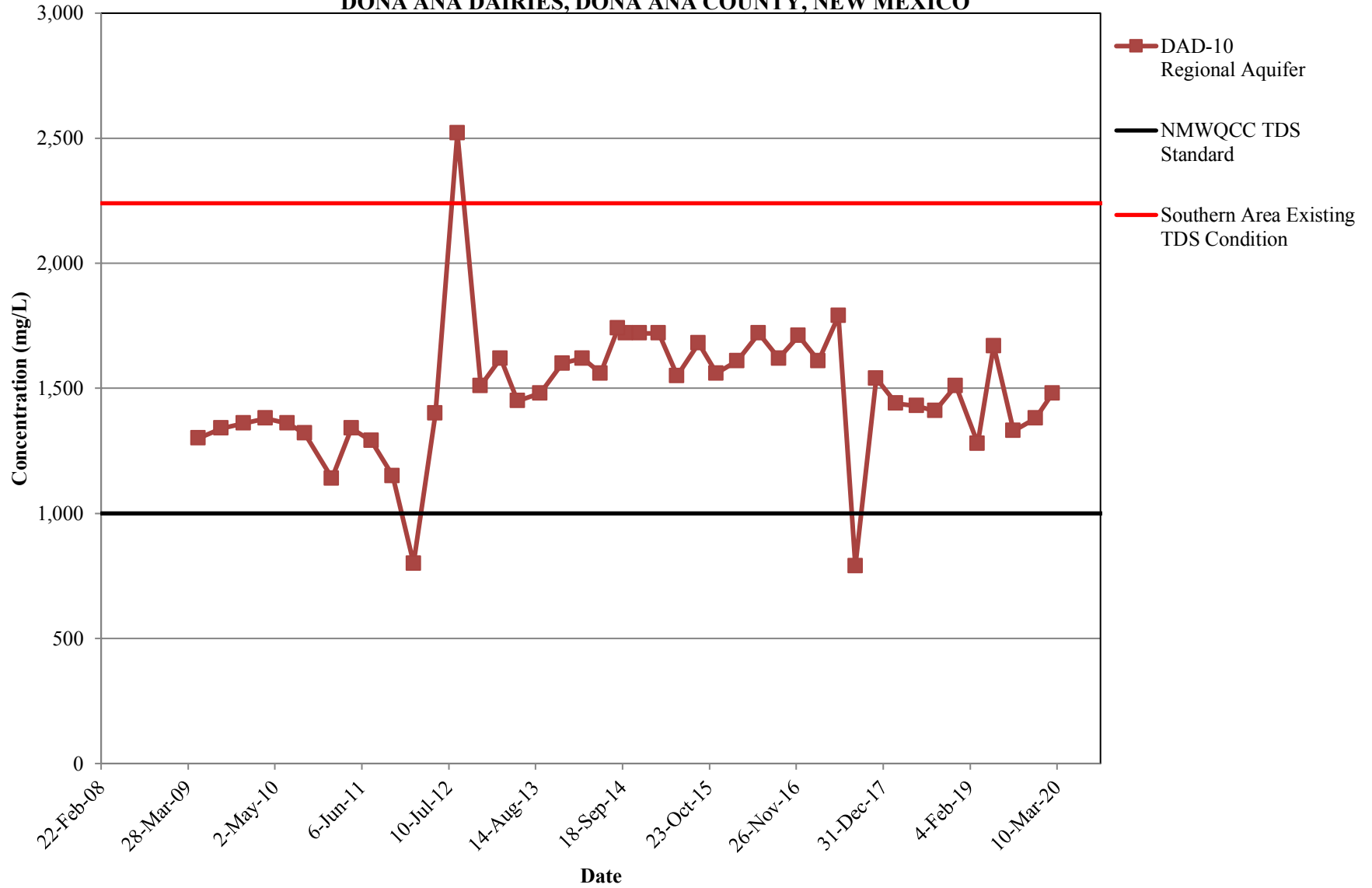
**TDS CONCENTRATION TRENDS
CENTRAL ABATEMENT PLAN MONITORING WELLS -
VERTICAL DELINEATION
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



**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**



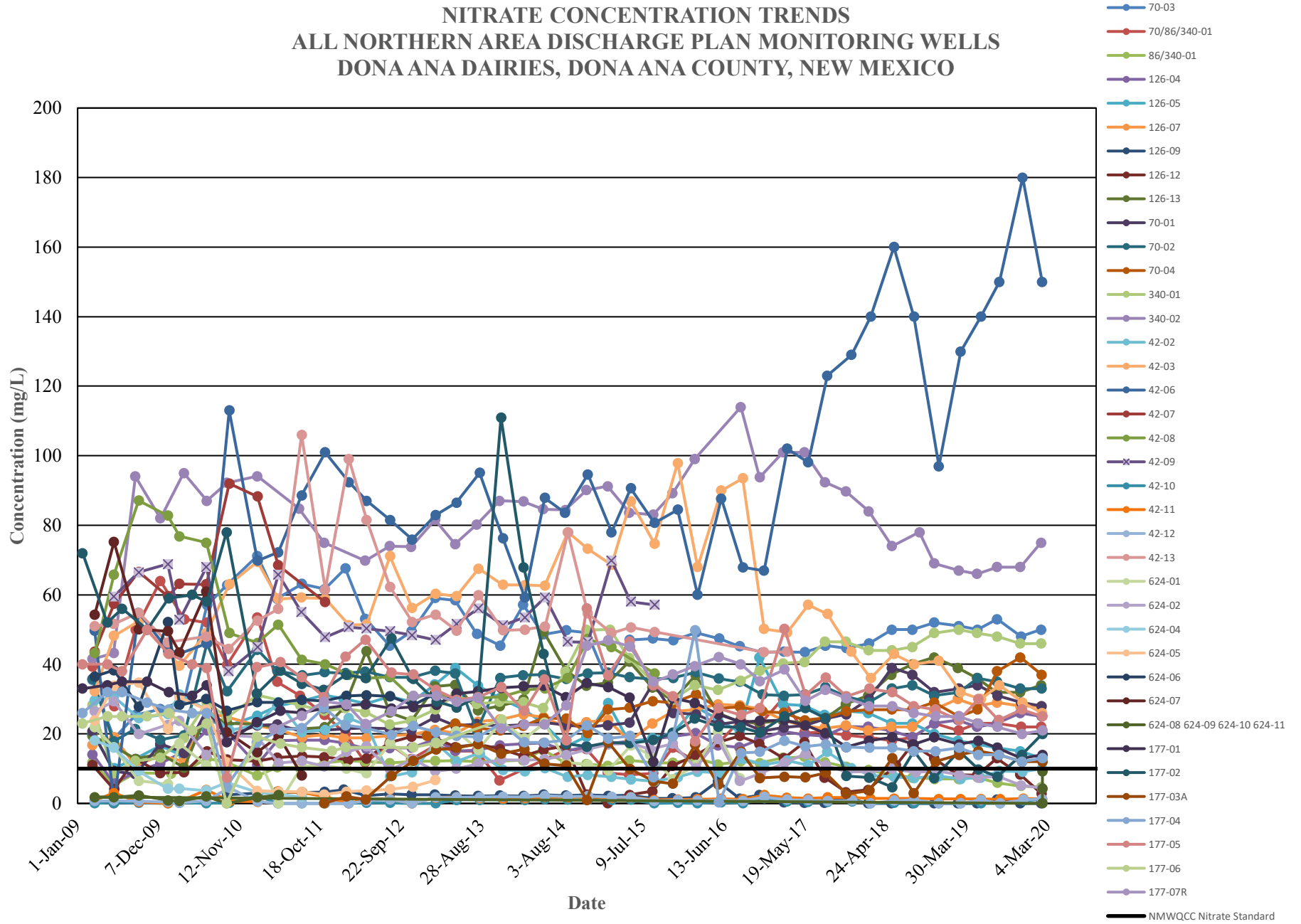
APPENDIX F

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

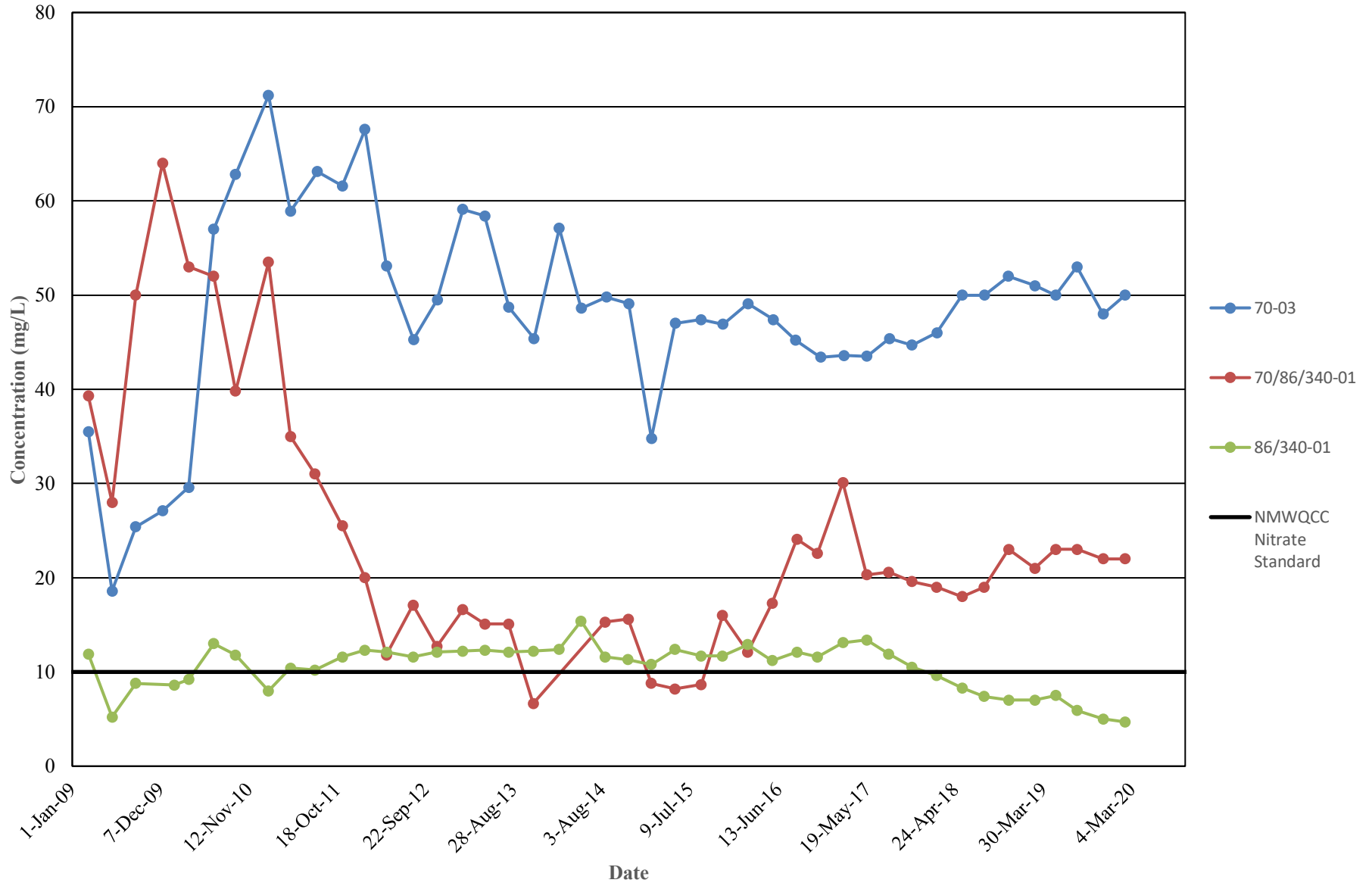
NITRATE CONCENTRATION TRENDS

ALL NORTHERN AREA DISCHARGE PLAN MONITORING WELLS

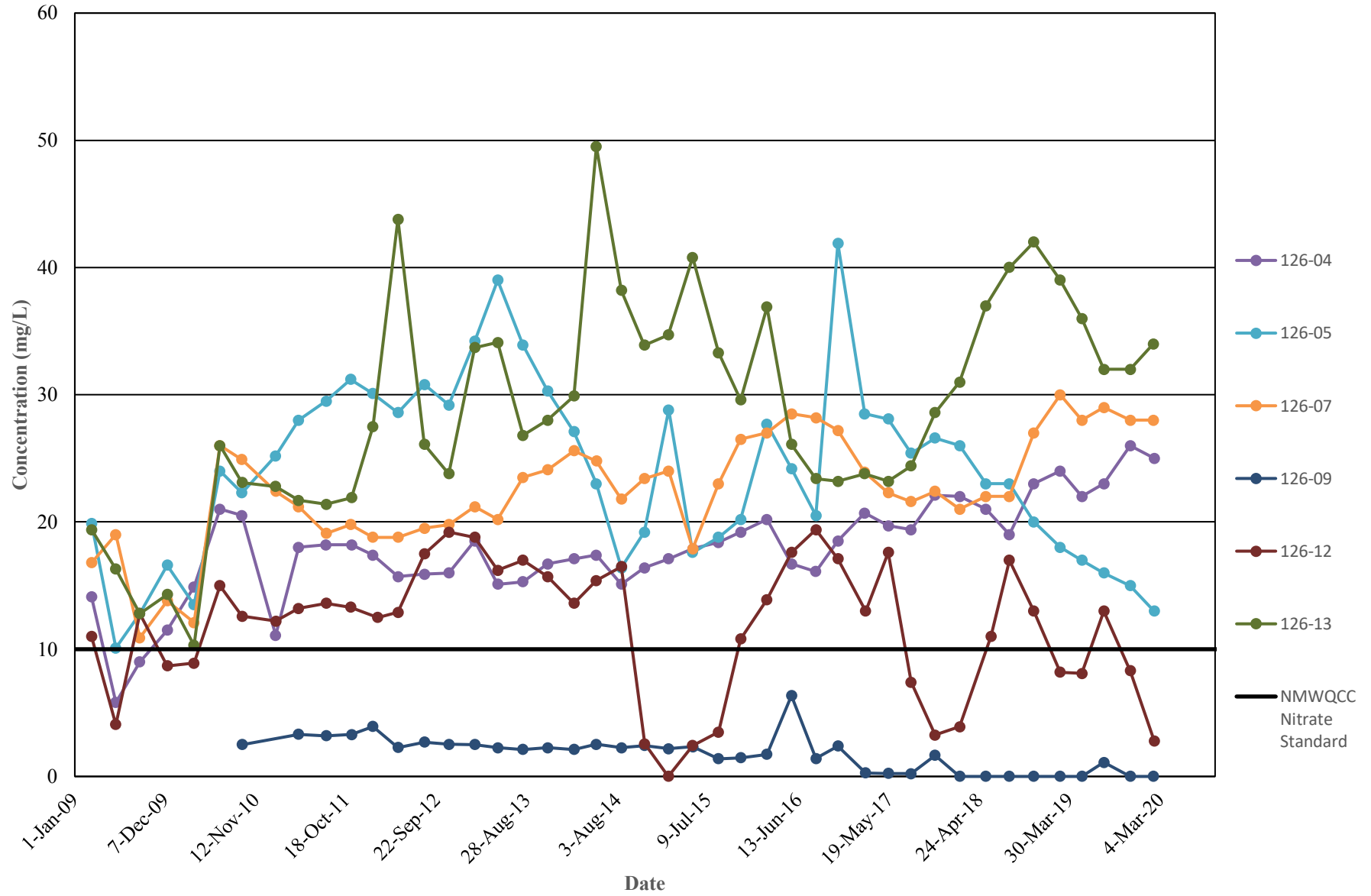
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



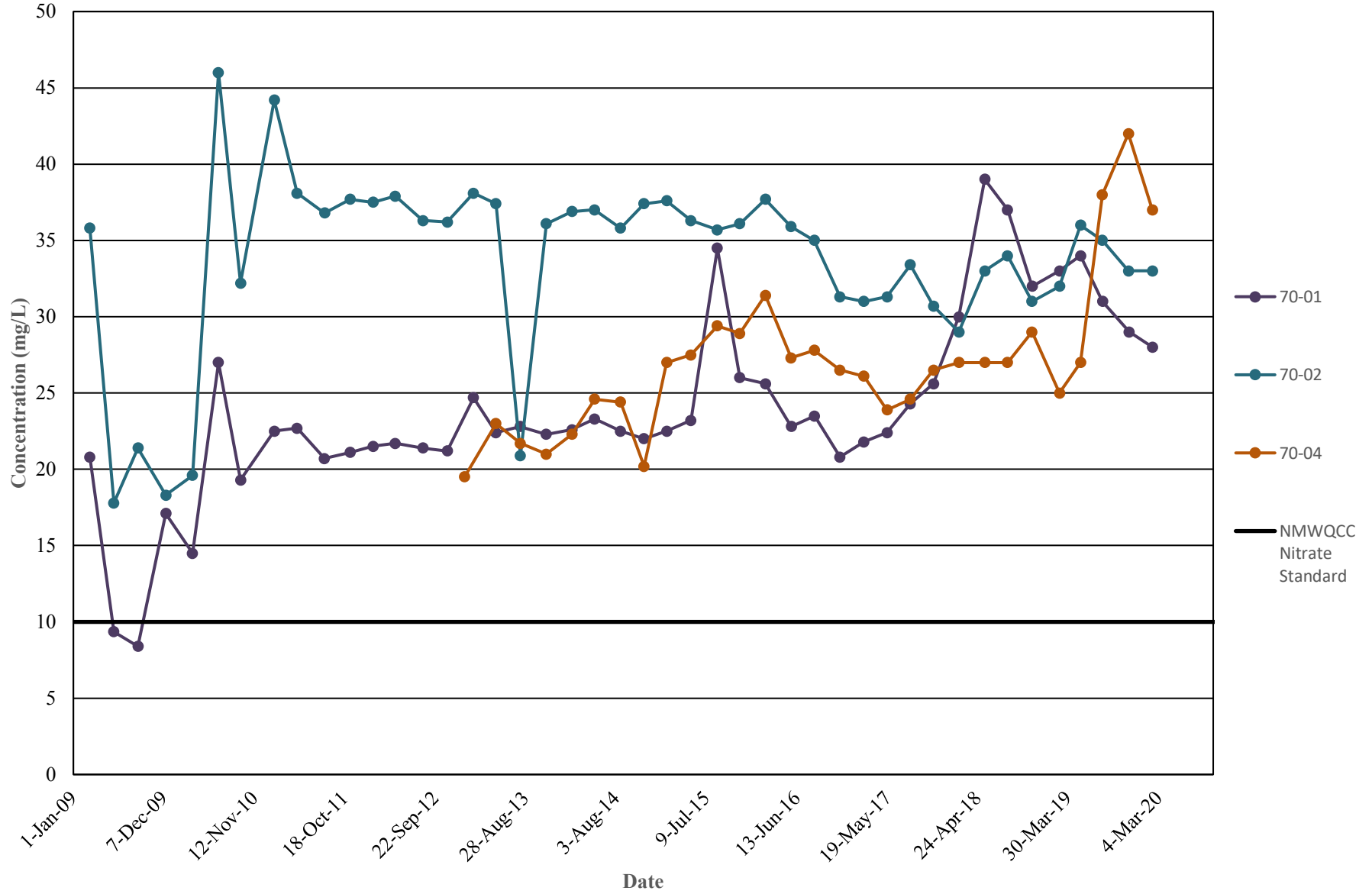
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NORTHERN LAND APPLICATION AREA, DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



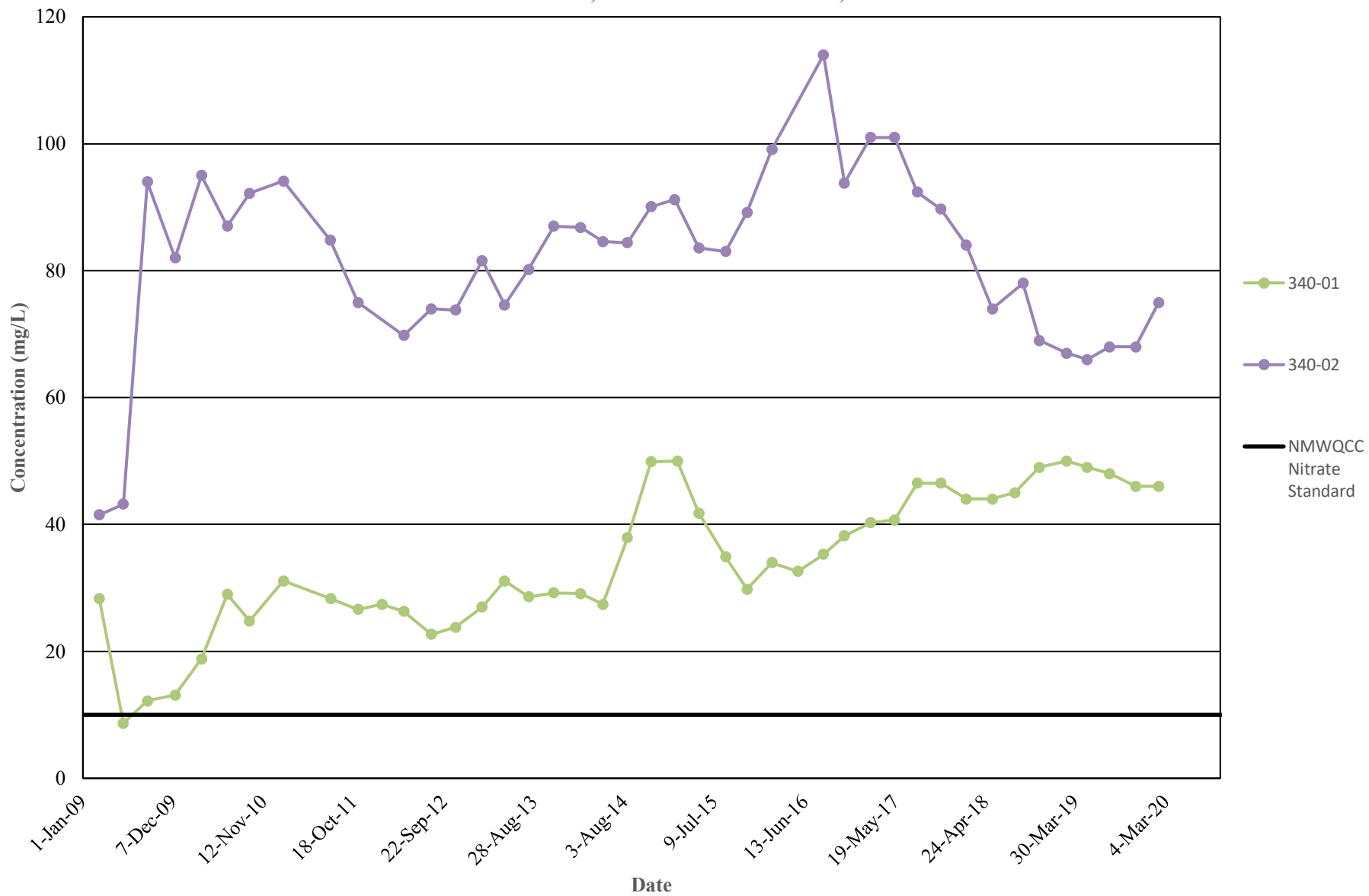
NITRATE CONCENTRATION TRENDS
ORGAN DAIRY (DEL NORTE DAIRY/DAYBREAK DAIRY) DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



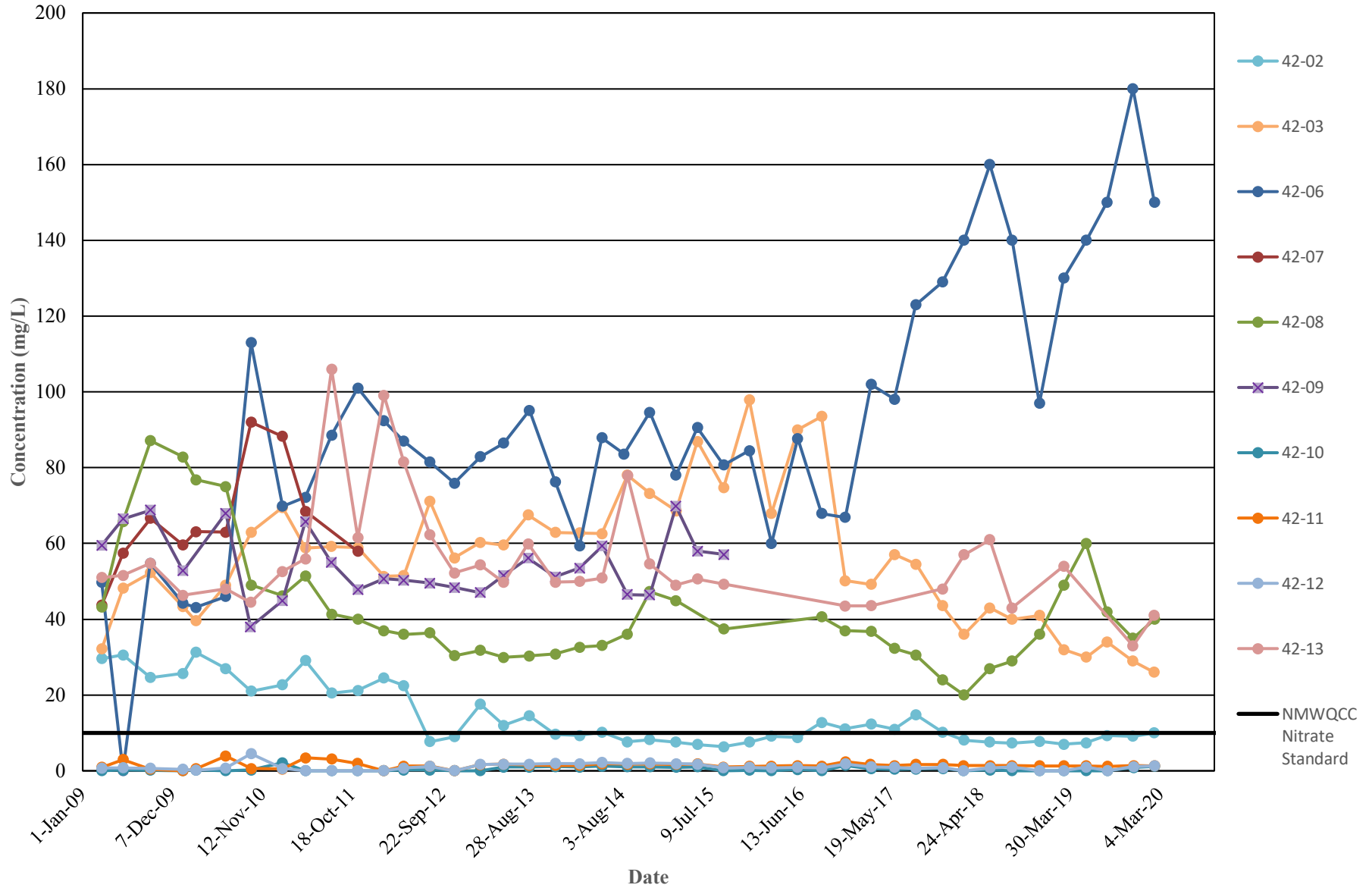
NITRATE CONCENTRATION TRENDS
MOUNTAIN VIEW DAIRY DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



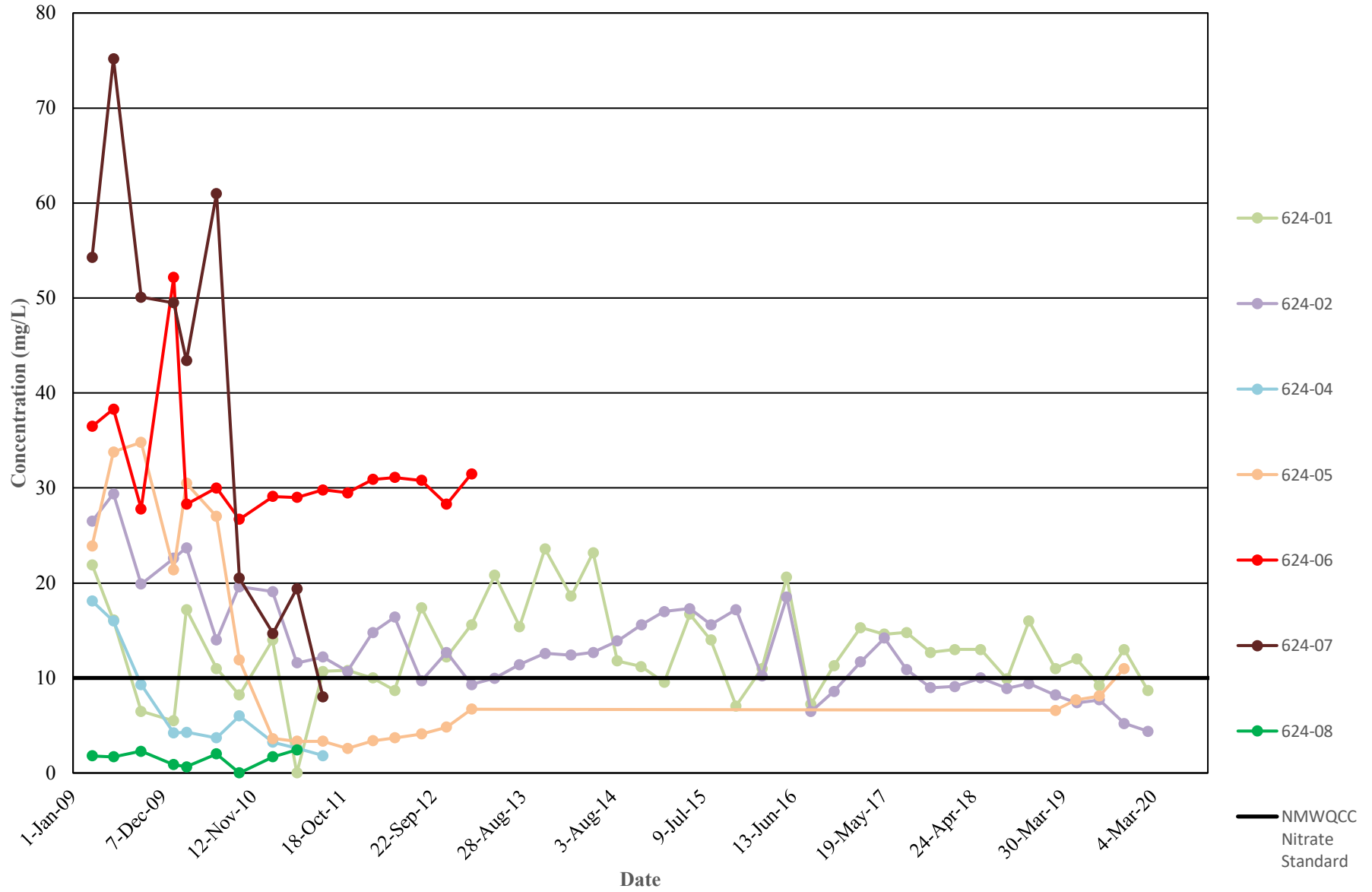
**NITRATE CONCENTRATION TRENDS
BRIGHT STAR DAIRY DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



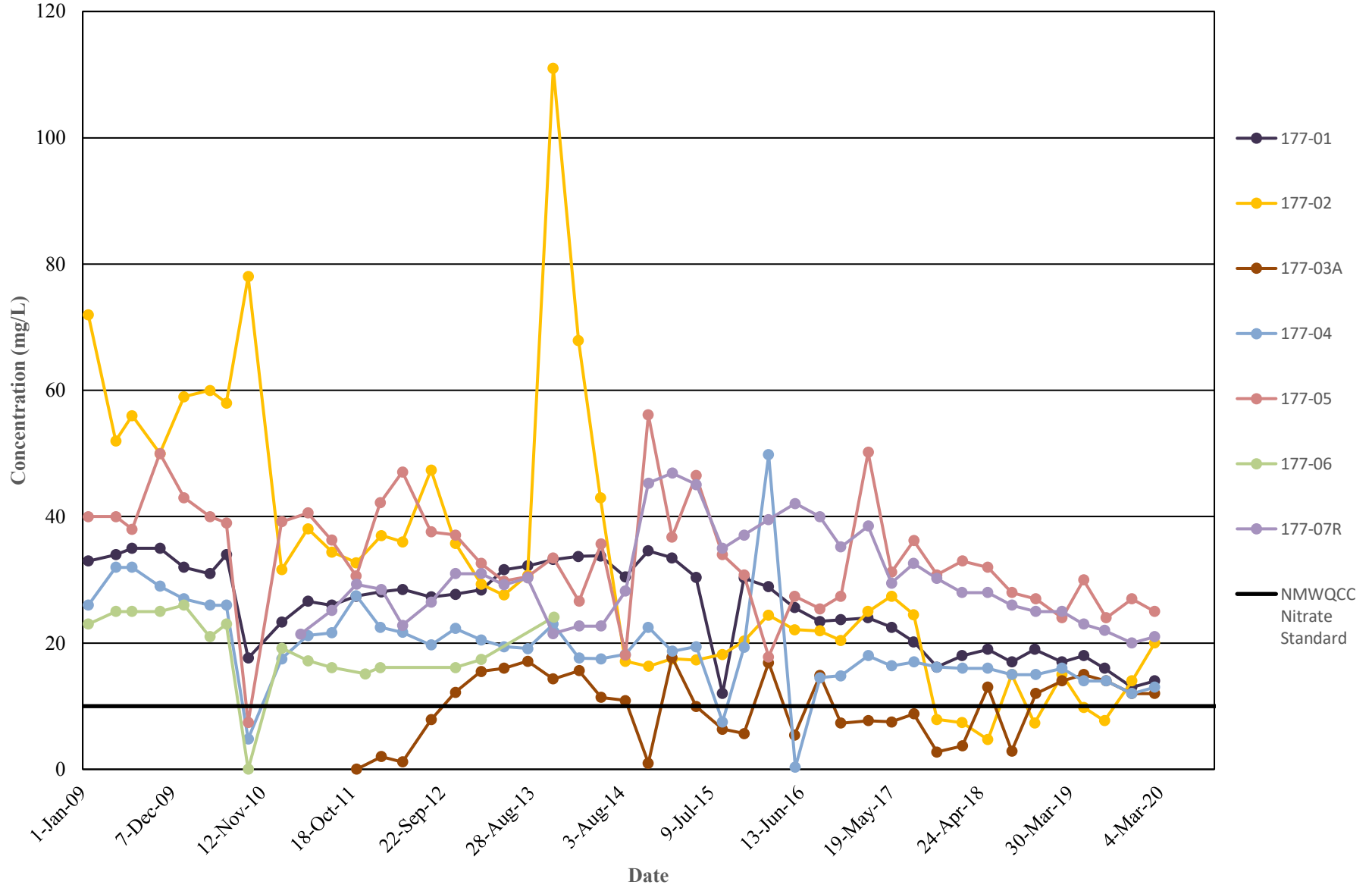
NITRATE CONCENTRATION TRENDS
FORMER D&J DAIRY (DOMINGUEZ 2) DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



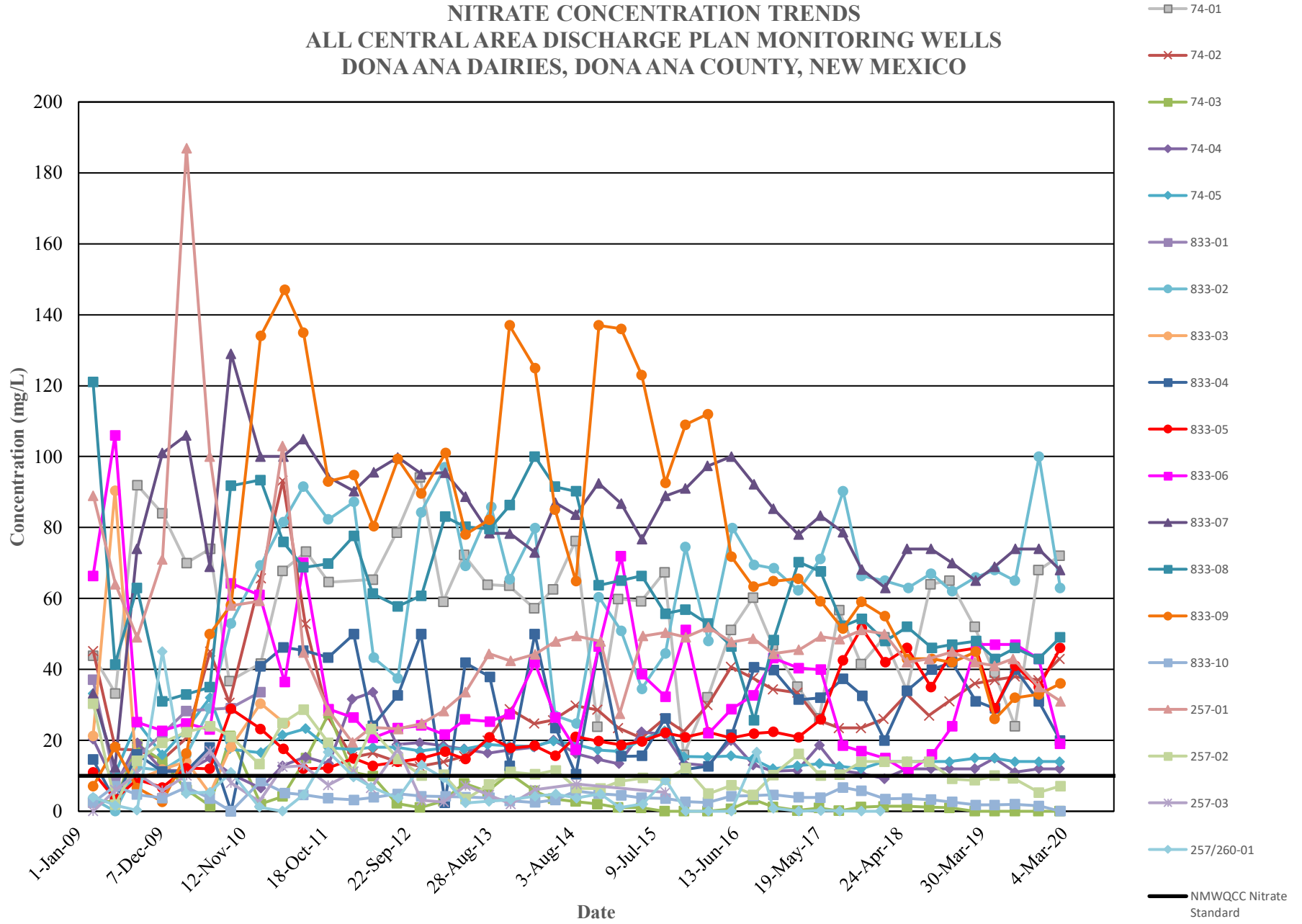
**NITRATE CONCENTRATION TRENDS
DOMINGUEZ DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



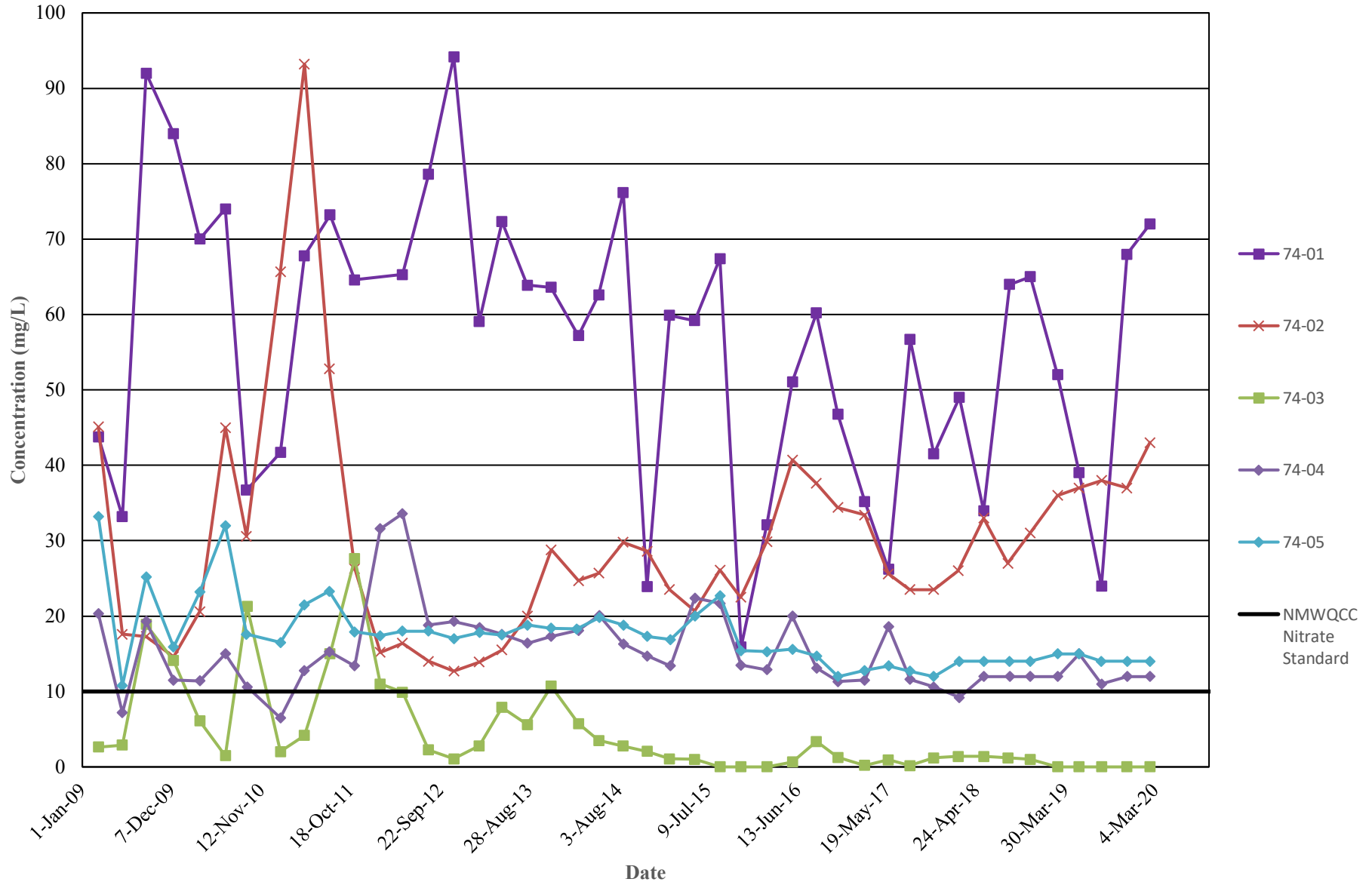
**NITRATE CONCENTRATION TRENDS
GONZALEZ DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



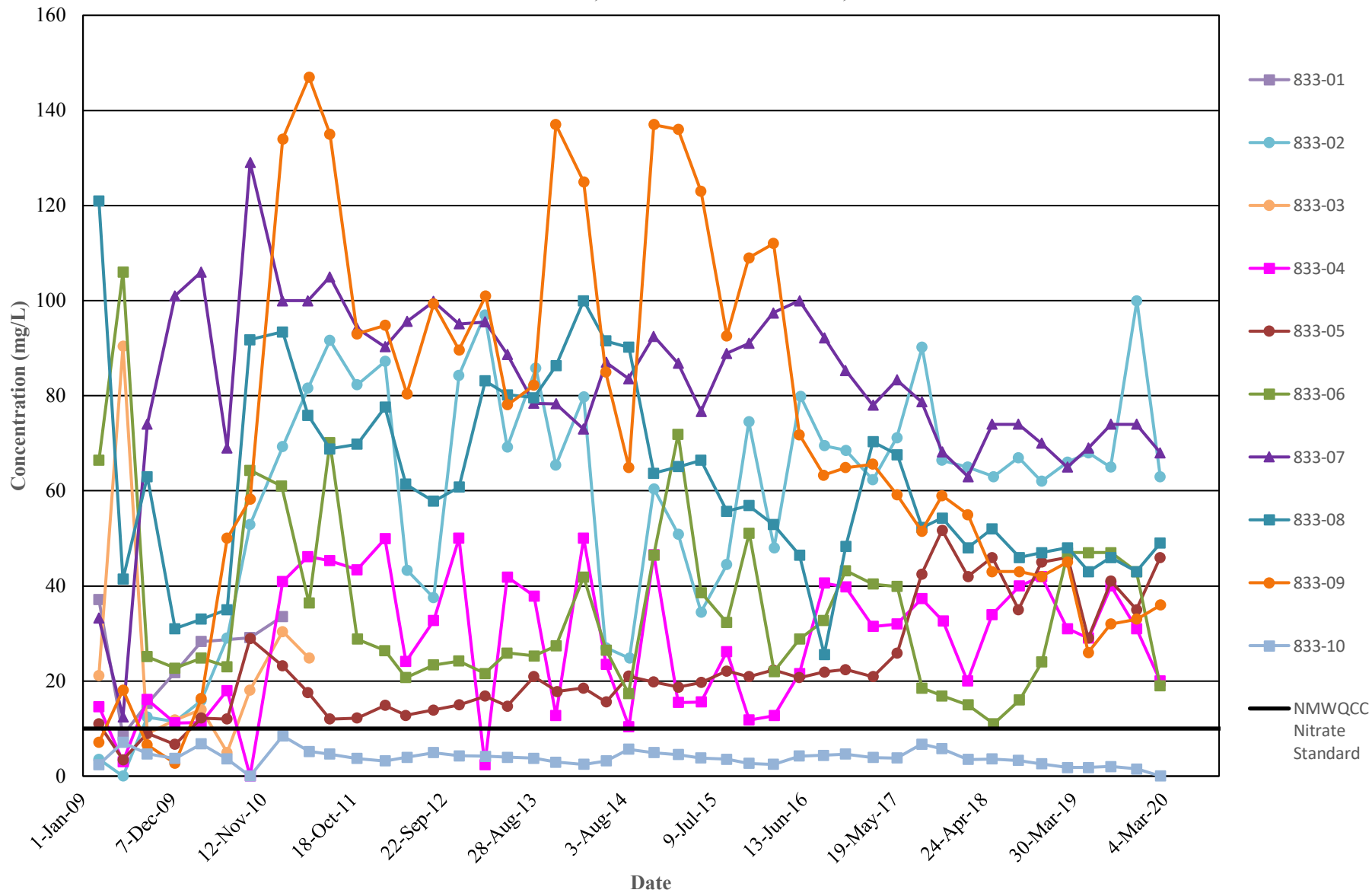
NITRATE CONCENTRATION TRENDS
ALL CENTRAL AREA DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



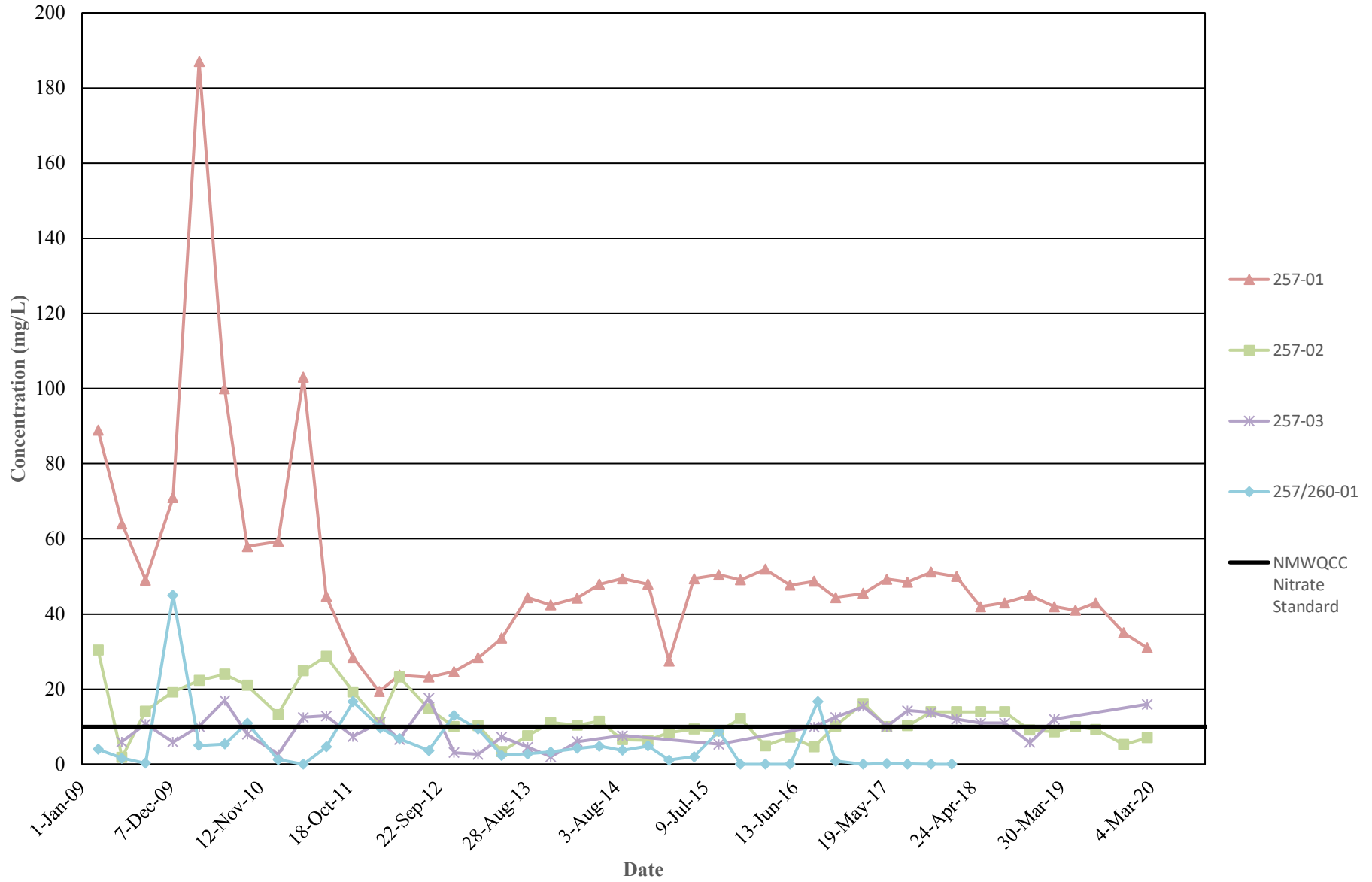
**NITRATE CONCENTRATION TRENDS
 BUENA VISTA DAIRY II DISCHARGE PLAN MONITORING WELLS
 DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



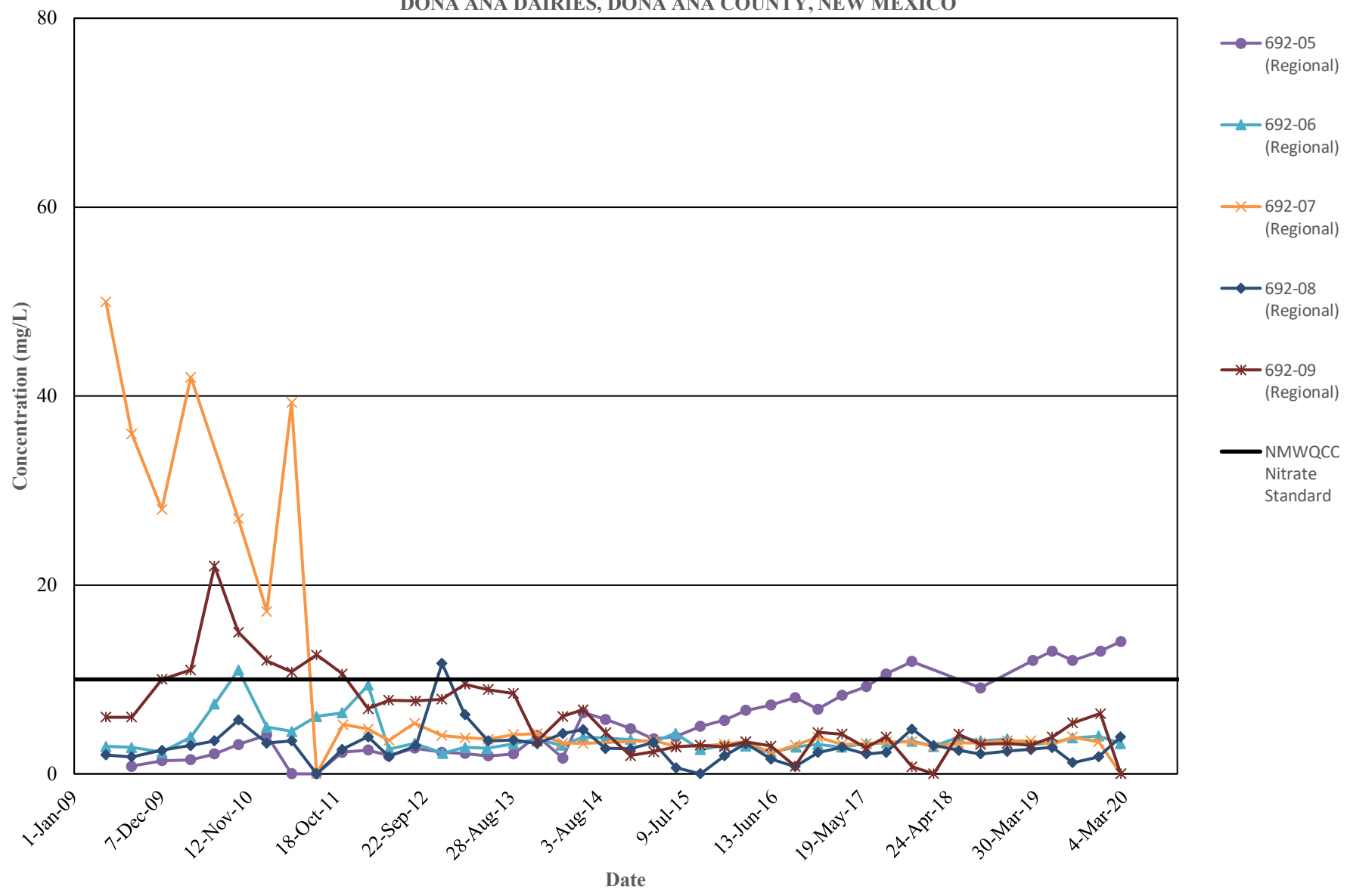
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BIG SKY DAIRY DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



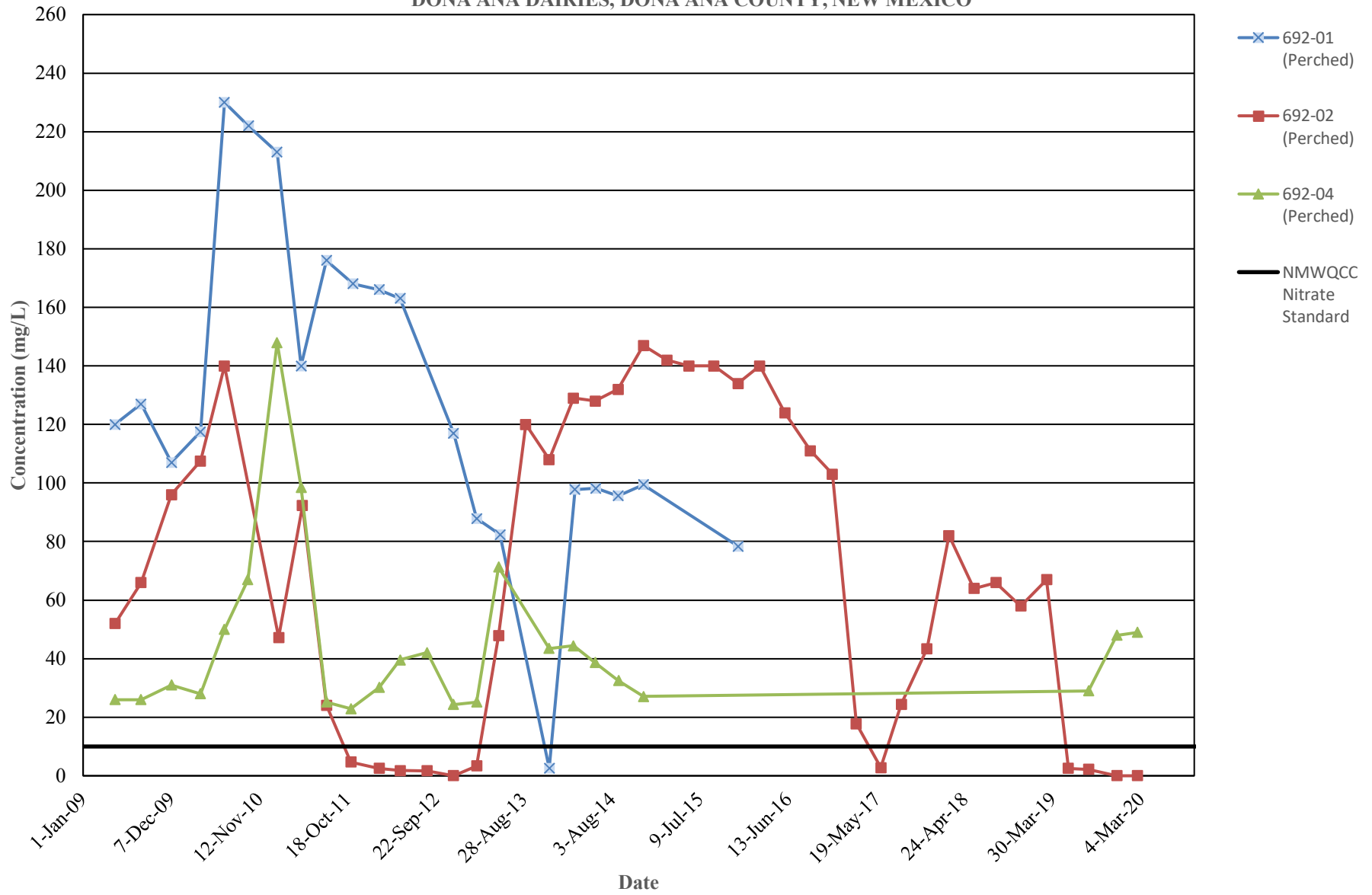
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SUNSET/DESERT LAND DAIRY DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



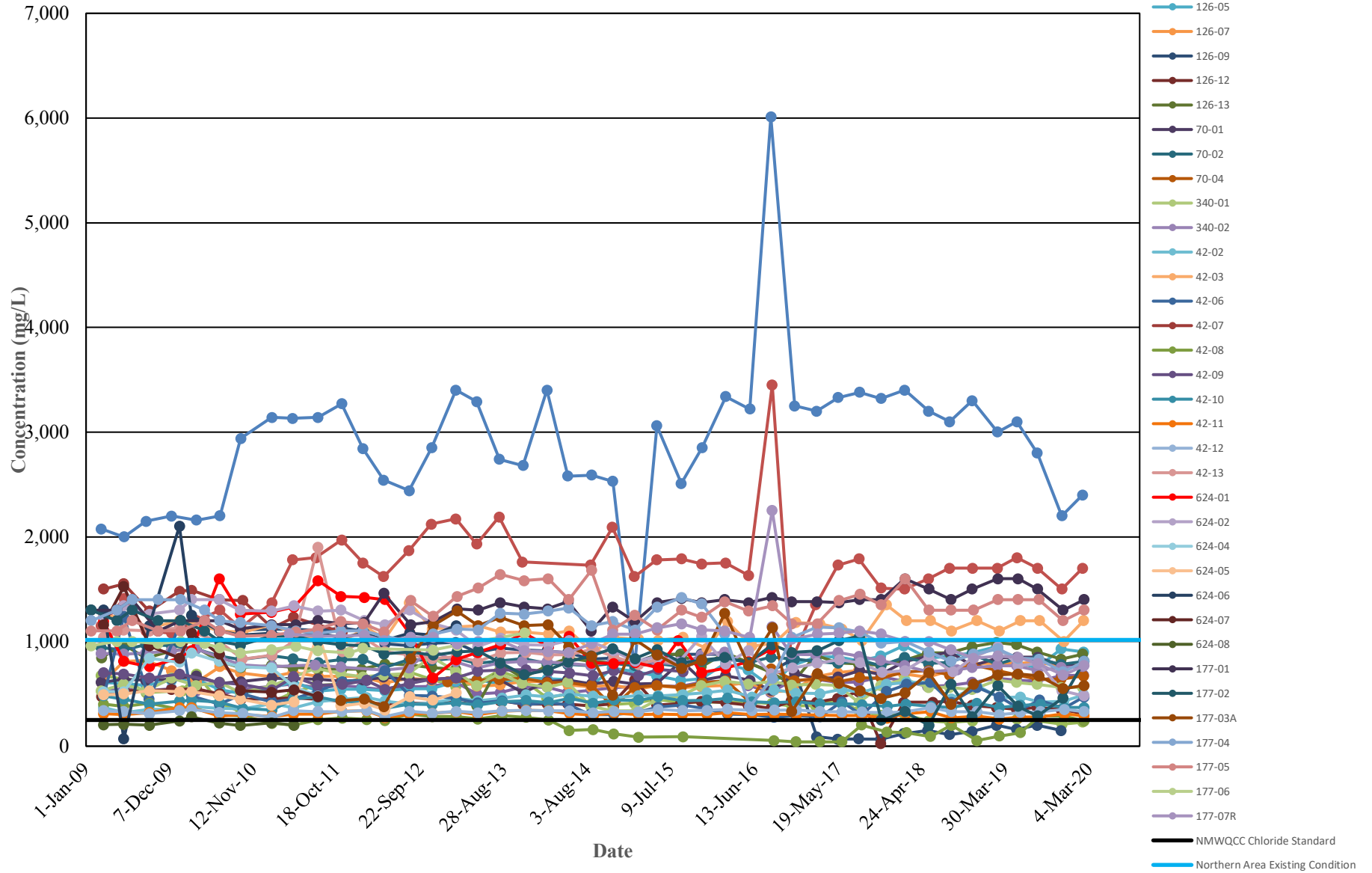
**NITRATE CONCENTRATION TRENDS
SOUTHERN AREA (DEL ORO DAIRY) DISCHARGE PLAN MONITORING WELLS
IN THE REGIONAL AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



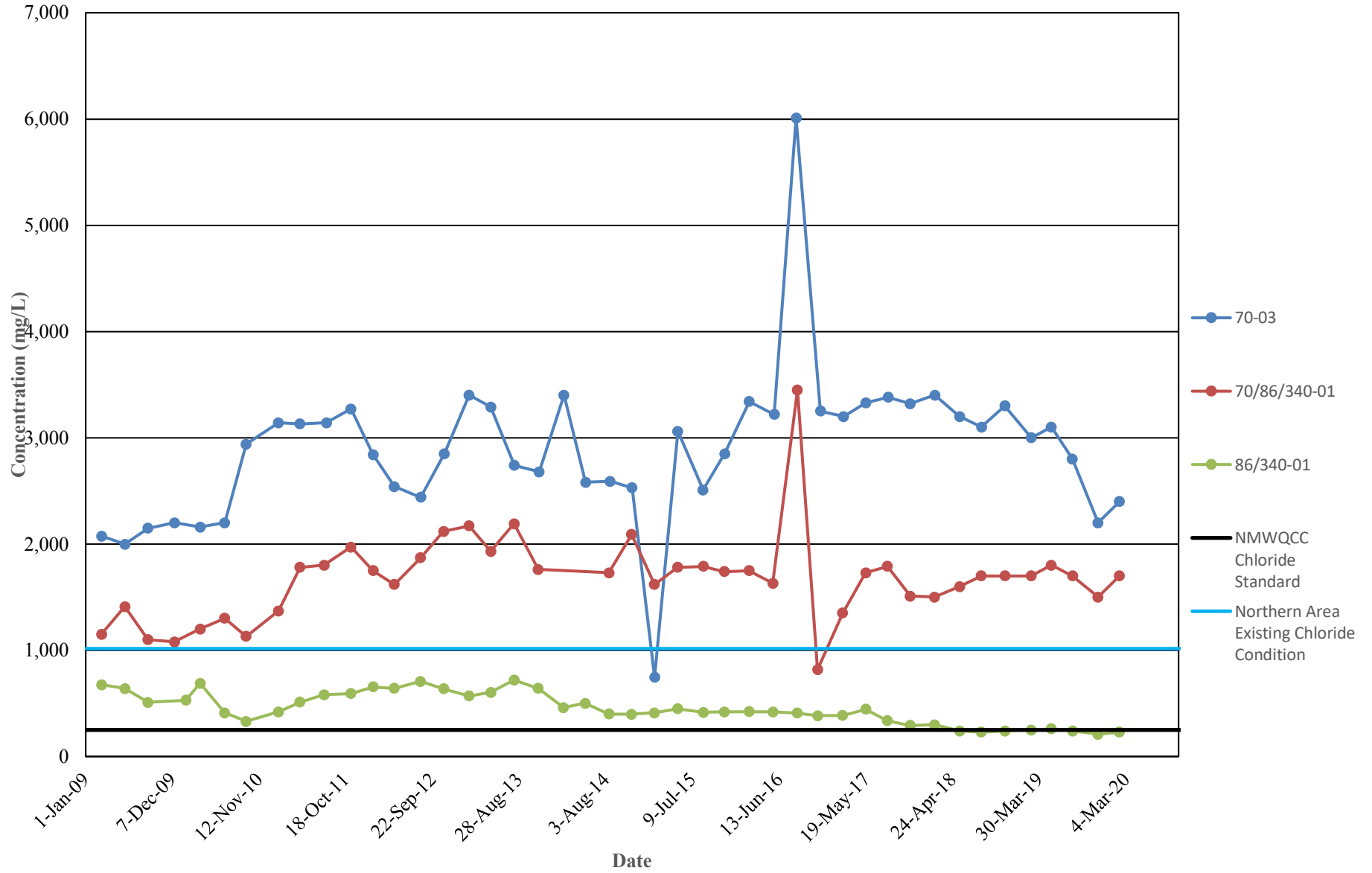
**NITRATE CONCENTRATION TRENDS
SOUTHERN AREA (DEL ORO DAIRY) DISCHARGE PLAN MONITORING WELLS
IN THE PERCHED AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



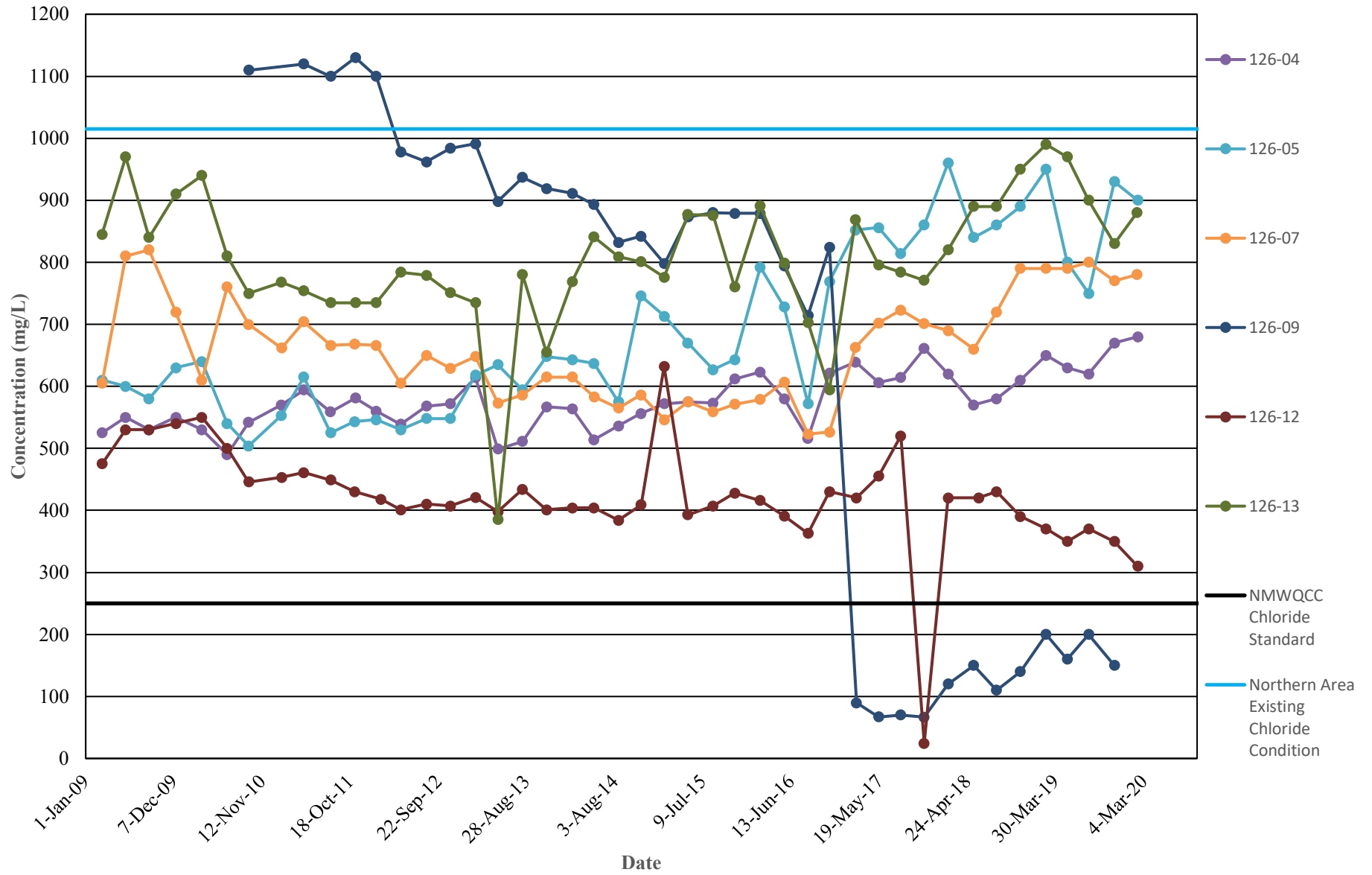
CHLORIDE CONCENTRATION TRENDS
ALL NORTHERN AREA DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



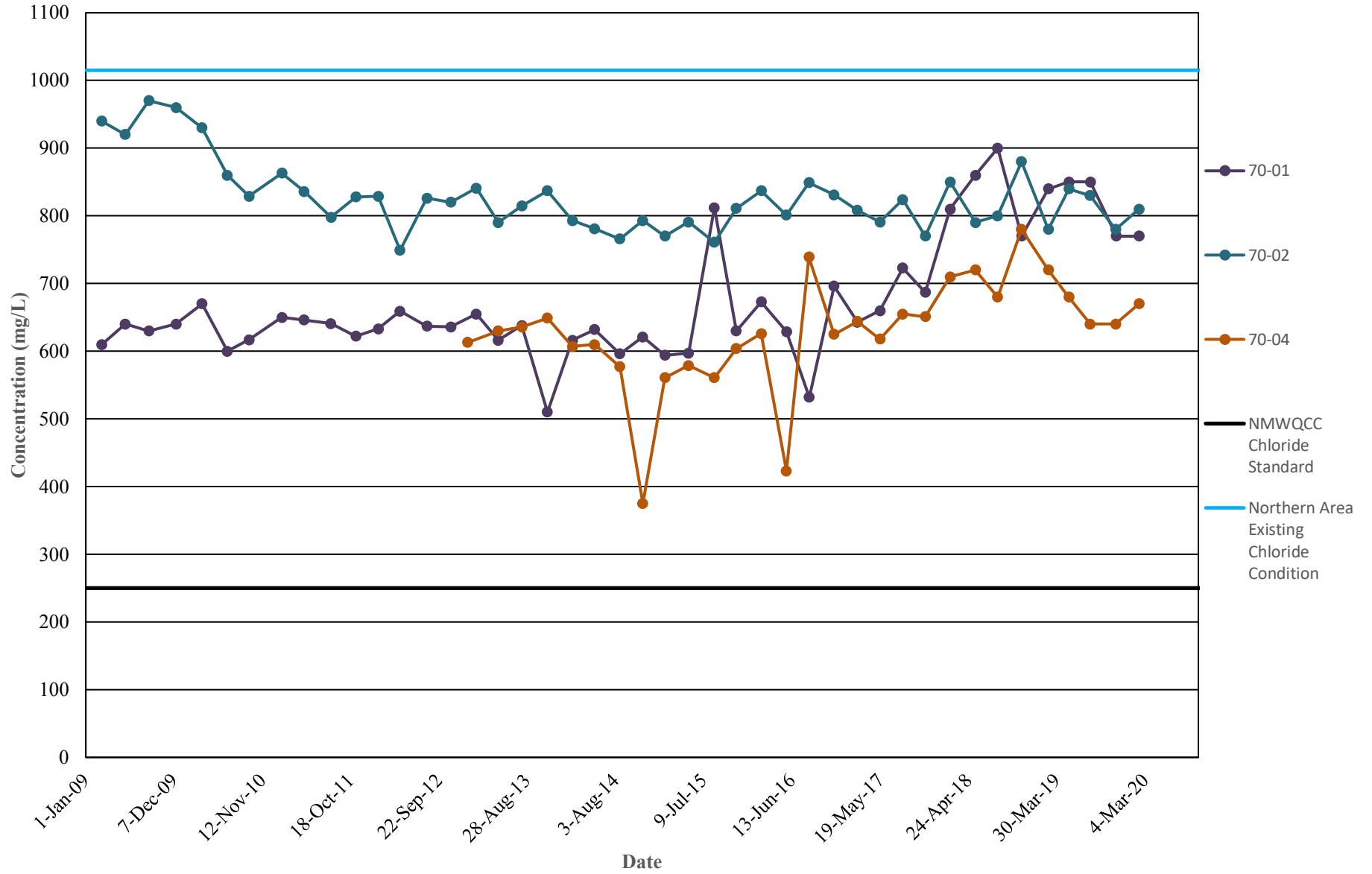
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NORTHERN LAND APPLICATION AREA DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



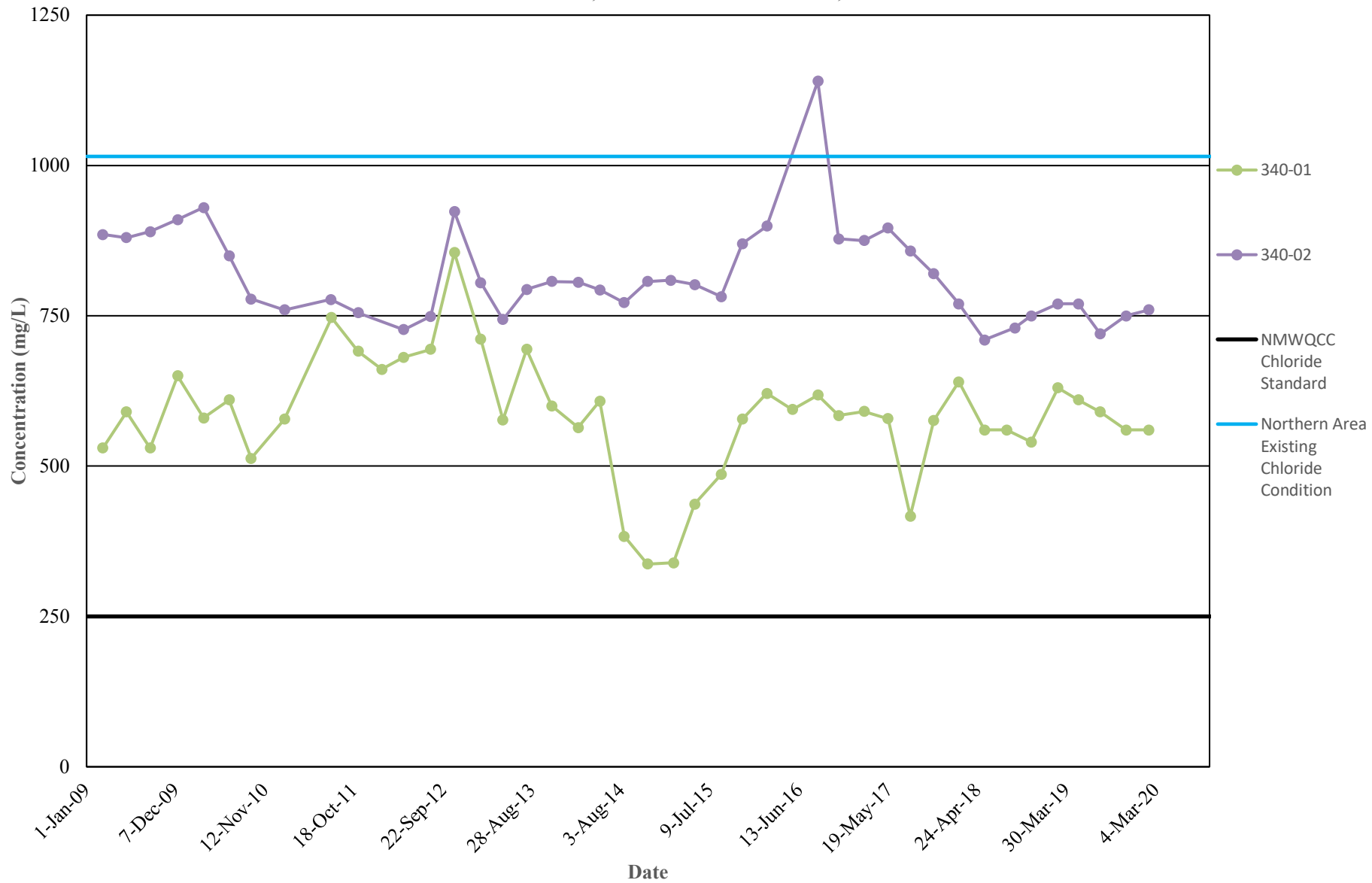
CHLORIDE CONCENTRATION TRENDS
ORGAN DAIRY (DEL NORTE DAIRY/DAYBREAD DAIRY) DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



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



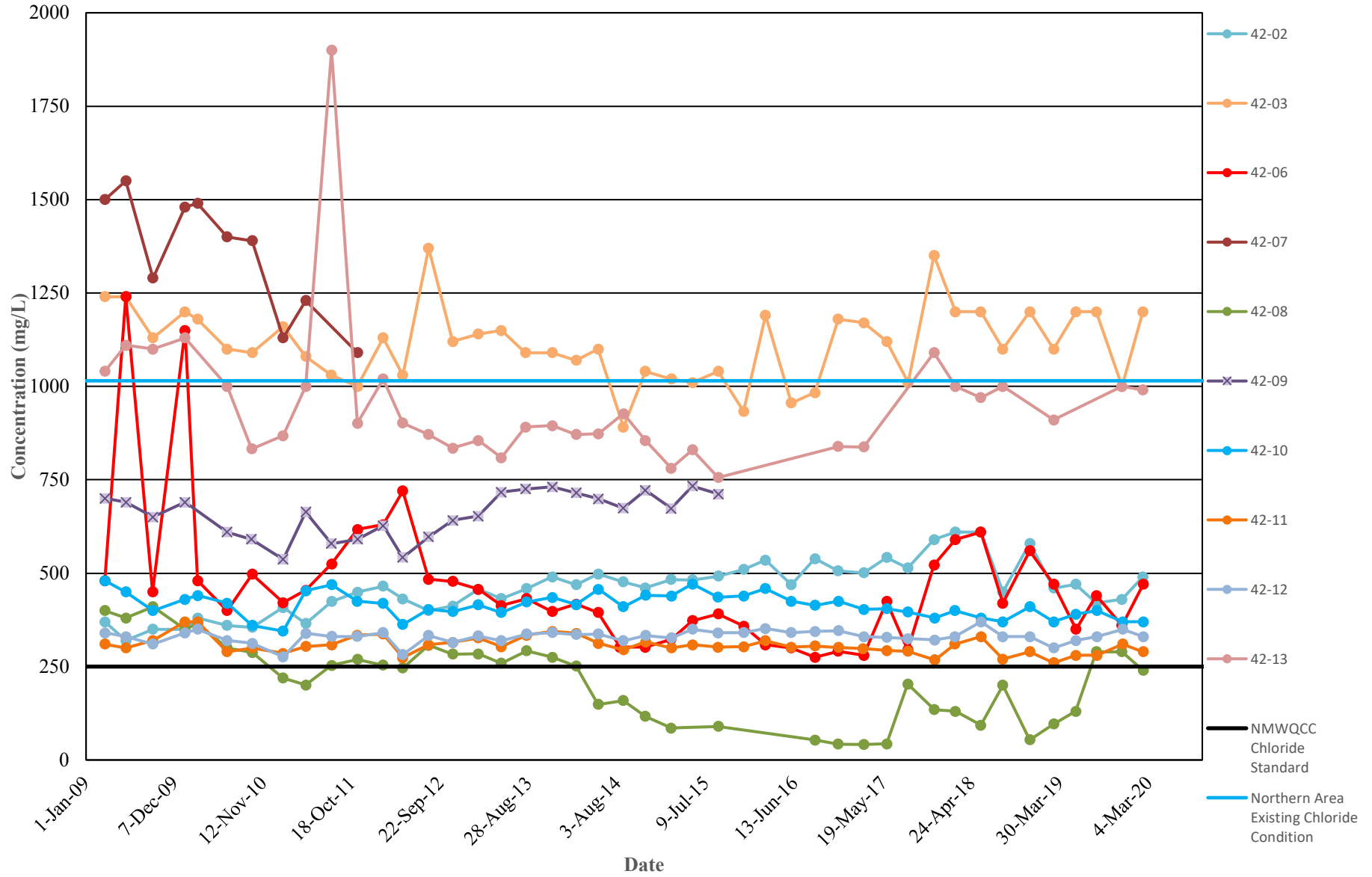
**CHLORIDE CONCENTRATION TRENDS
BRIGHT STAR DAIRY DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



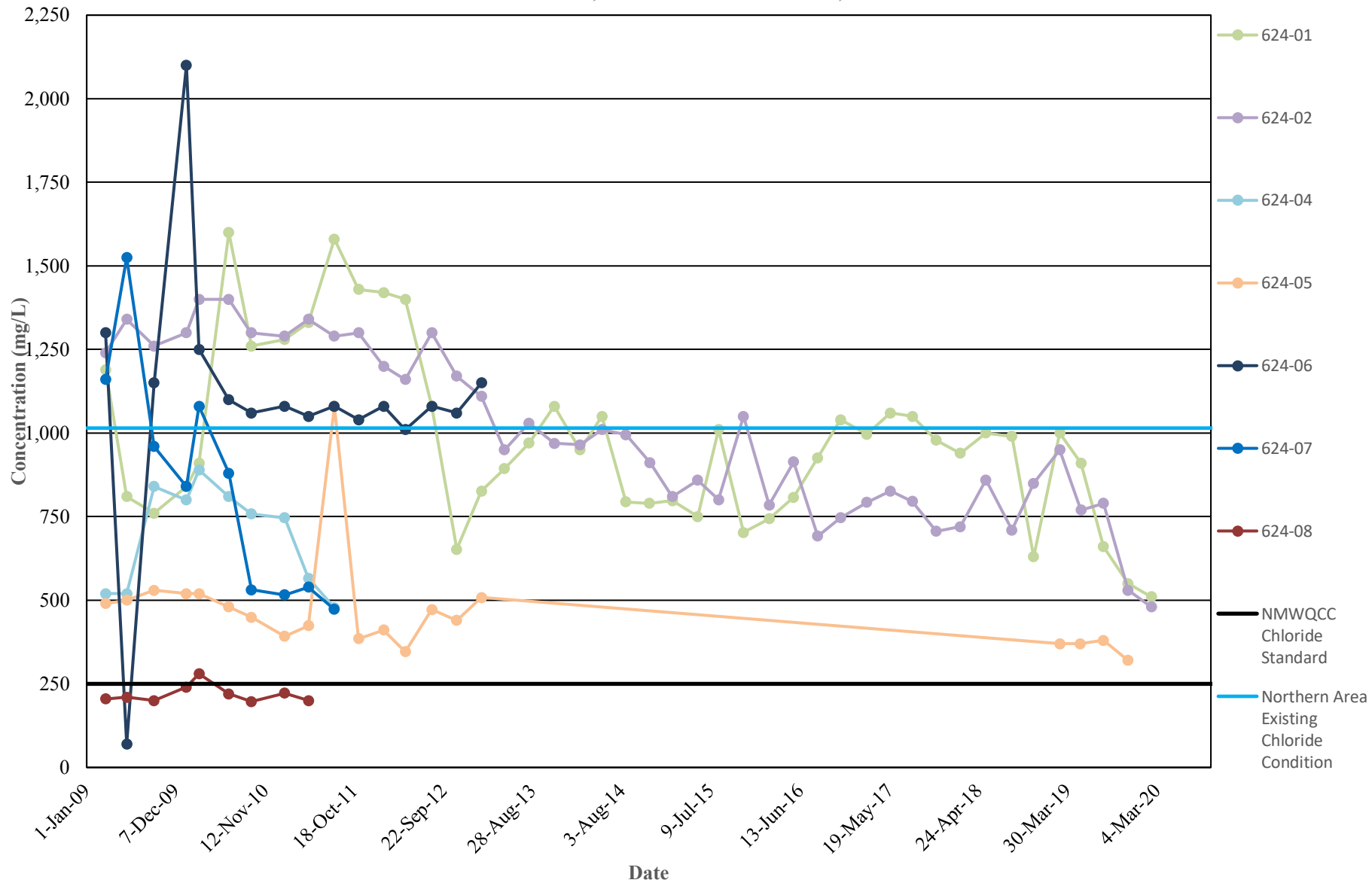
CHLORIDE CONCENTRATION TRENDS

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

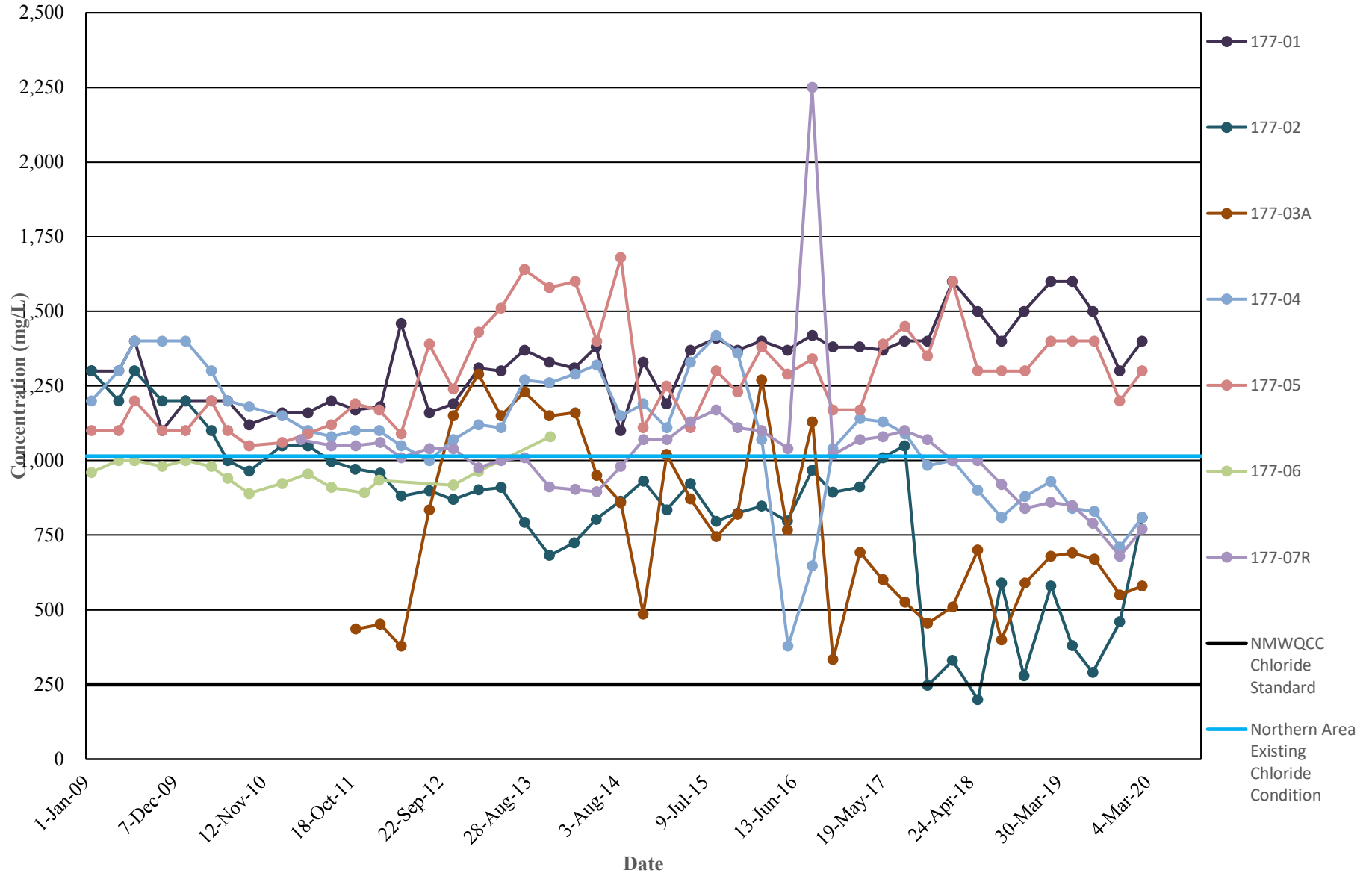
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



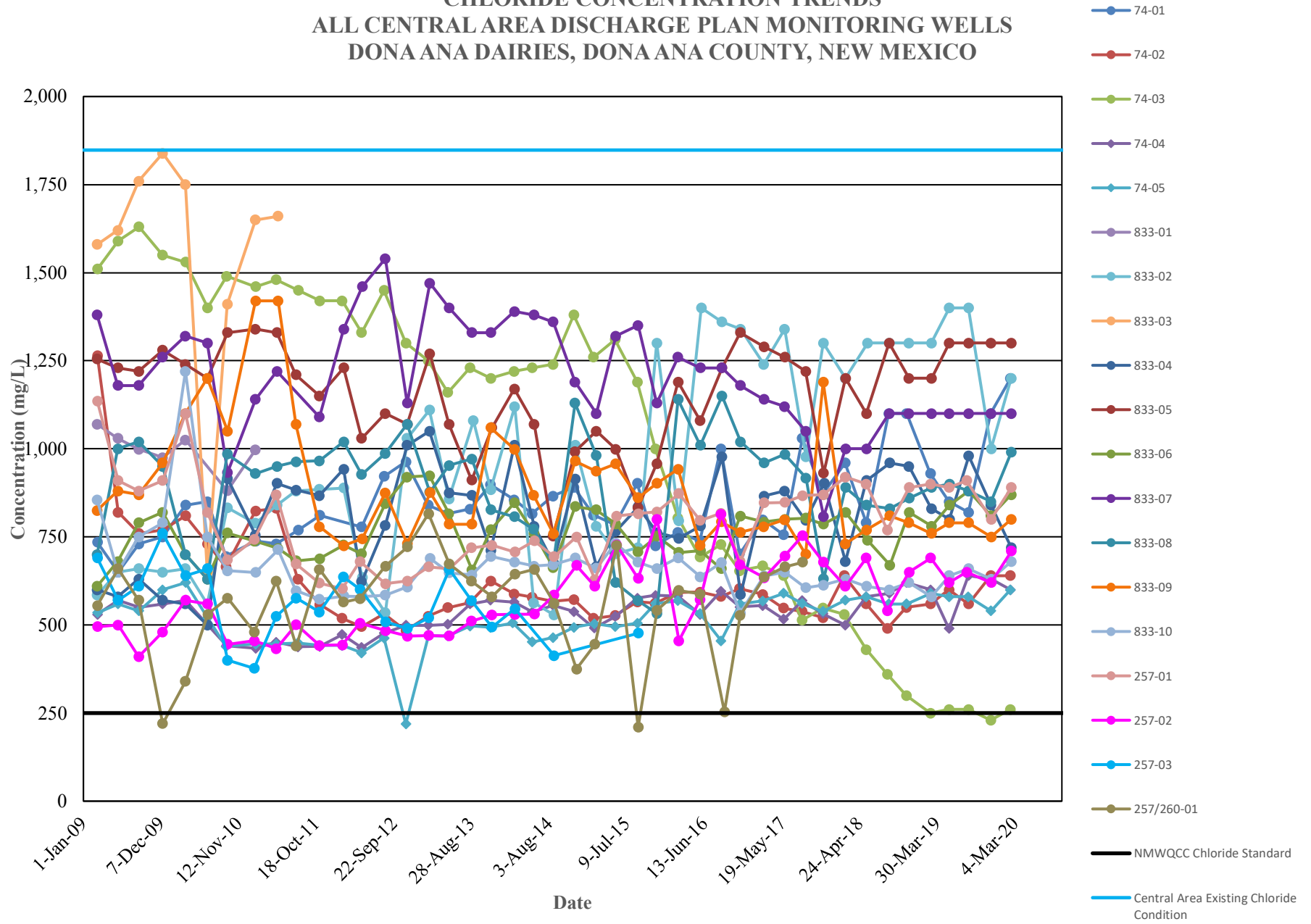
CHLORIDE CONCENTRATION TRENDS DOMINGUEZ DISCHARGE PLAN MONITORING WELLS DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



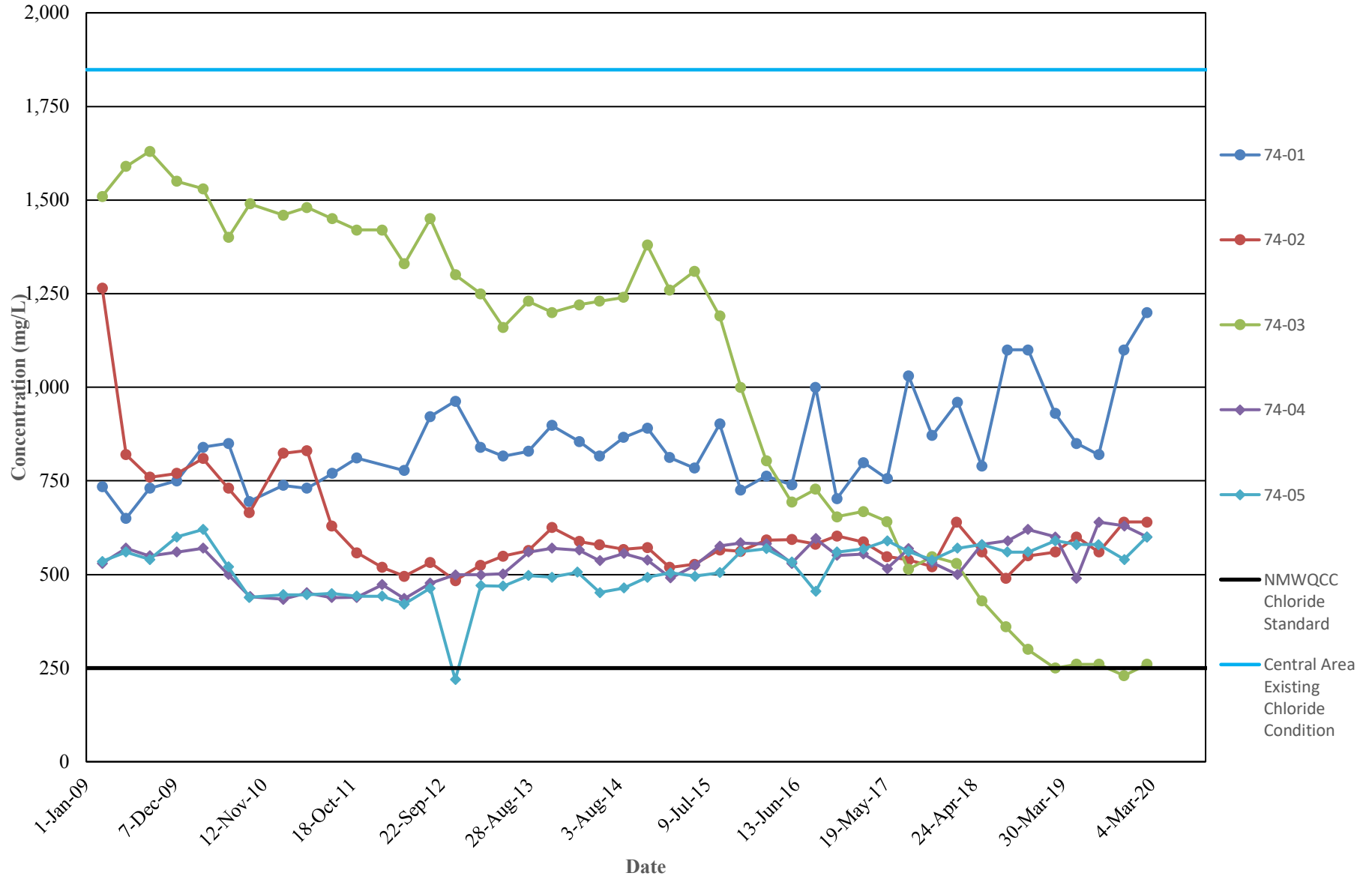
**CHLORIDE CONCENTRATION TRENDS
GONZALEZ DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



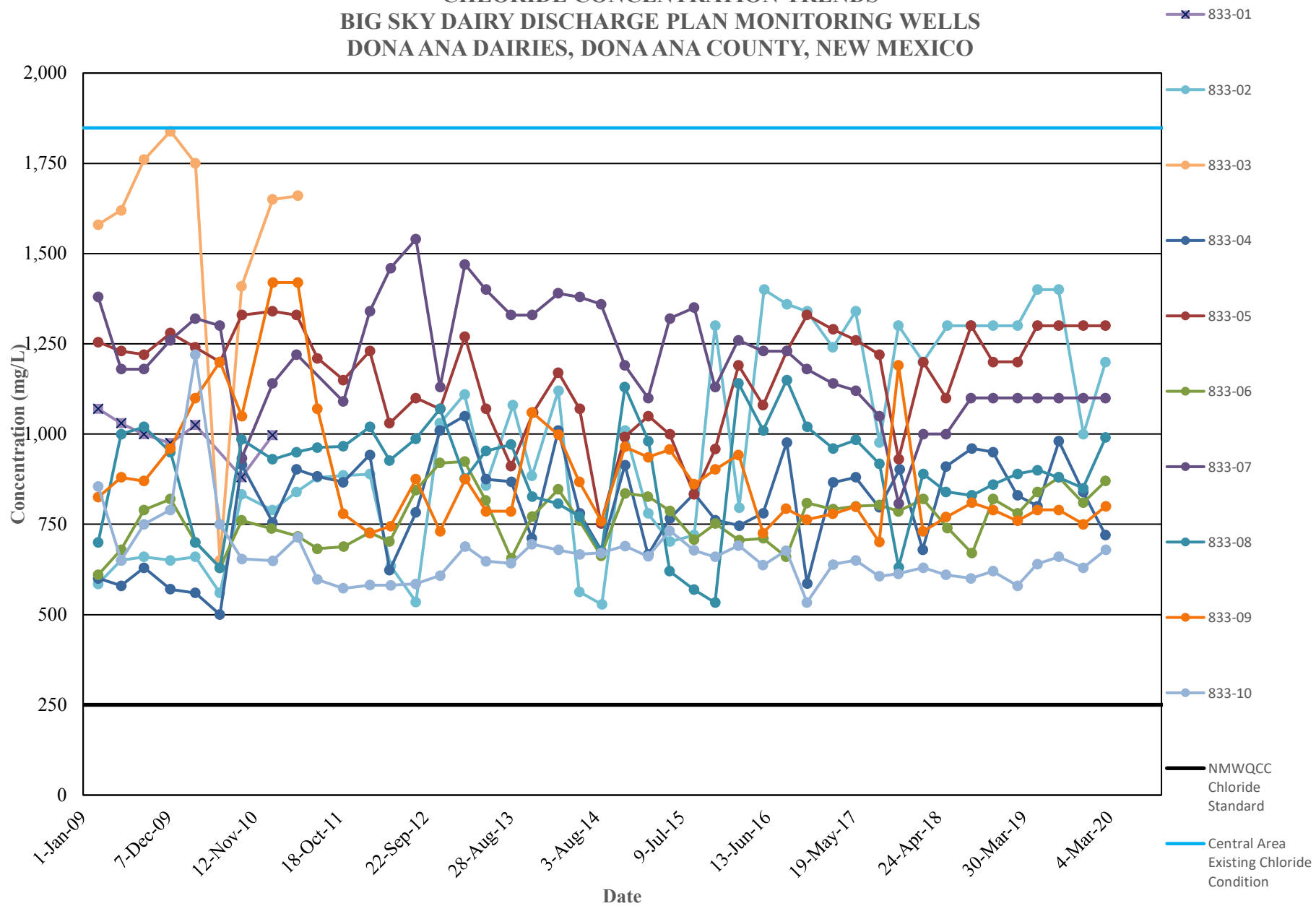
CHLORIDE CONCENTRATION TRENDS
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DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



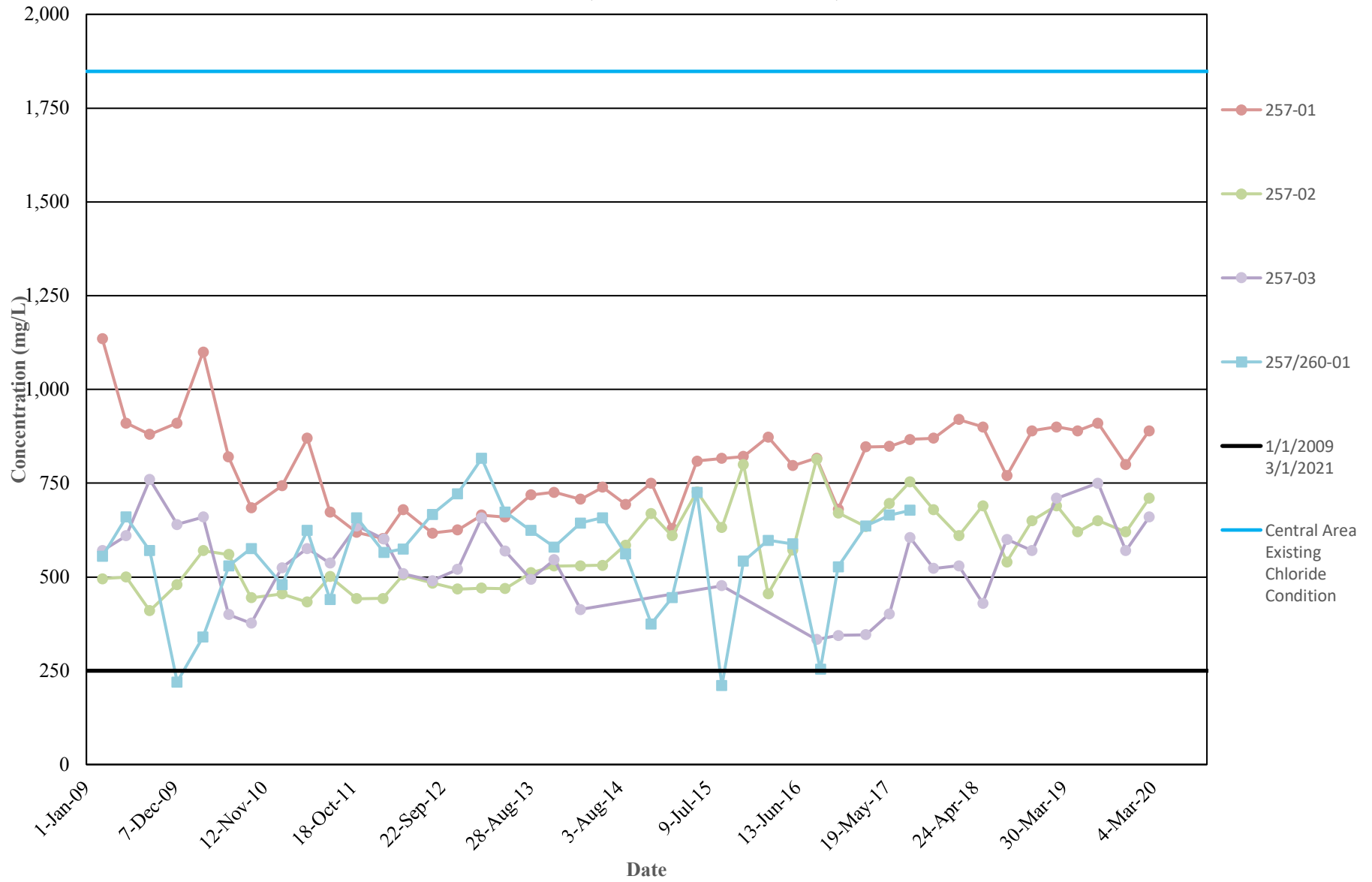
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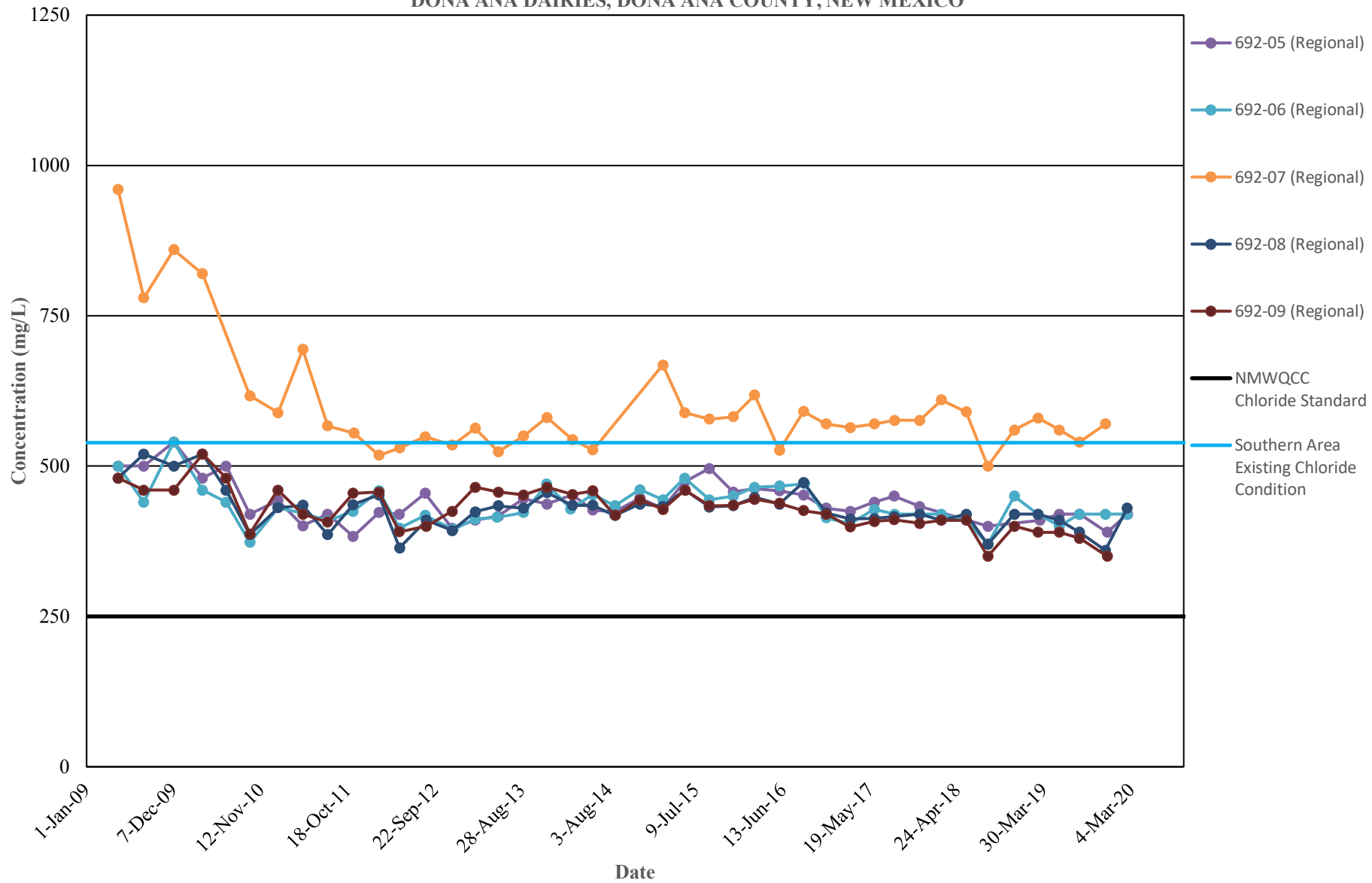
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BIG SKY DAIRY DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



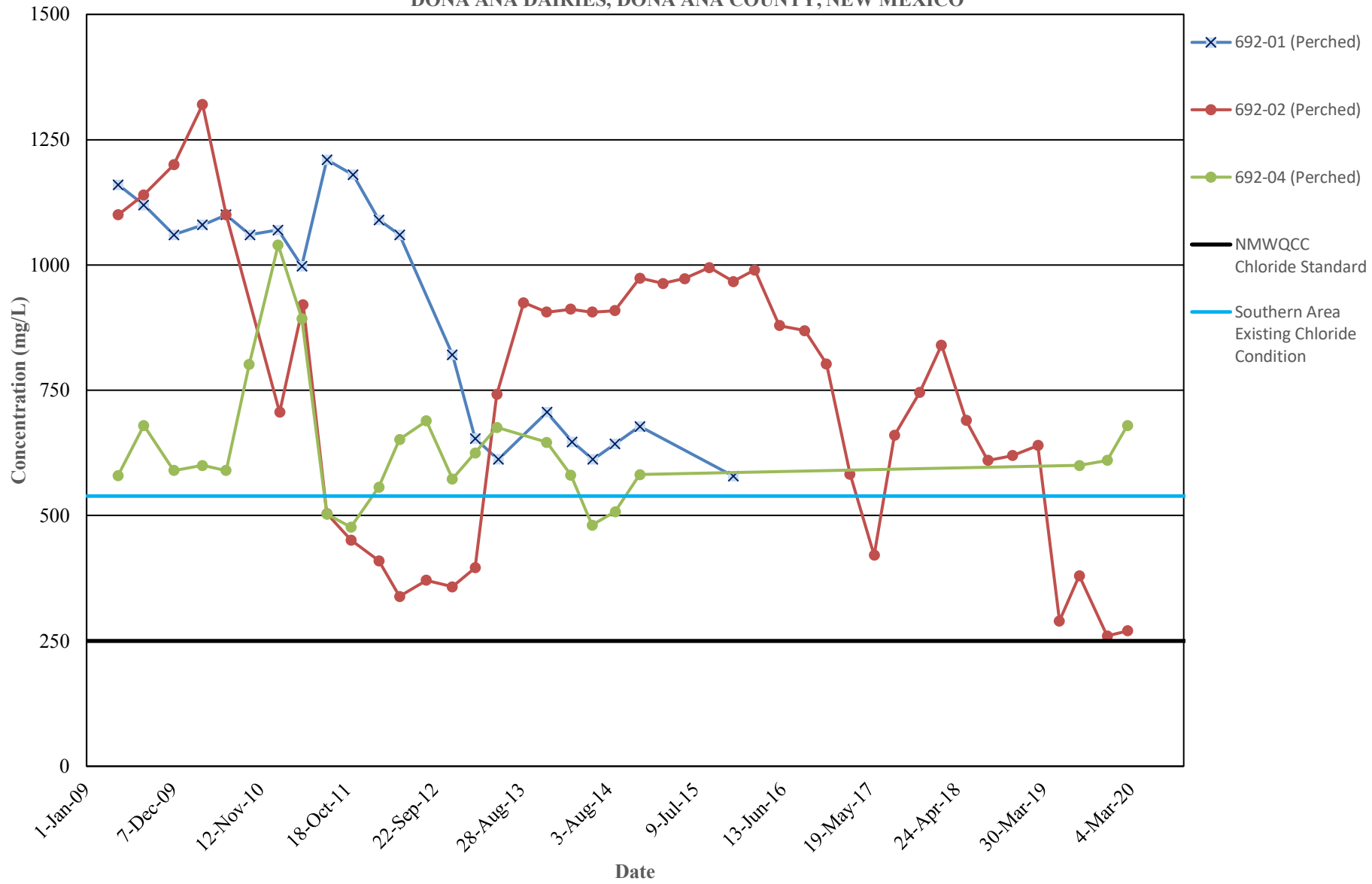
**CHLORIDE CONCENTRATION TRENDS
SUNSET/DESERT LAND DAIRY DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



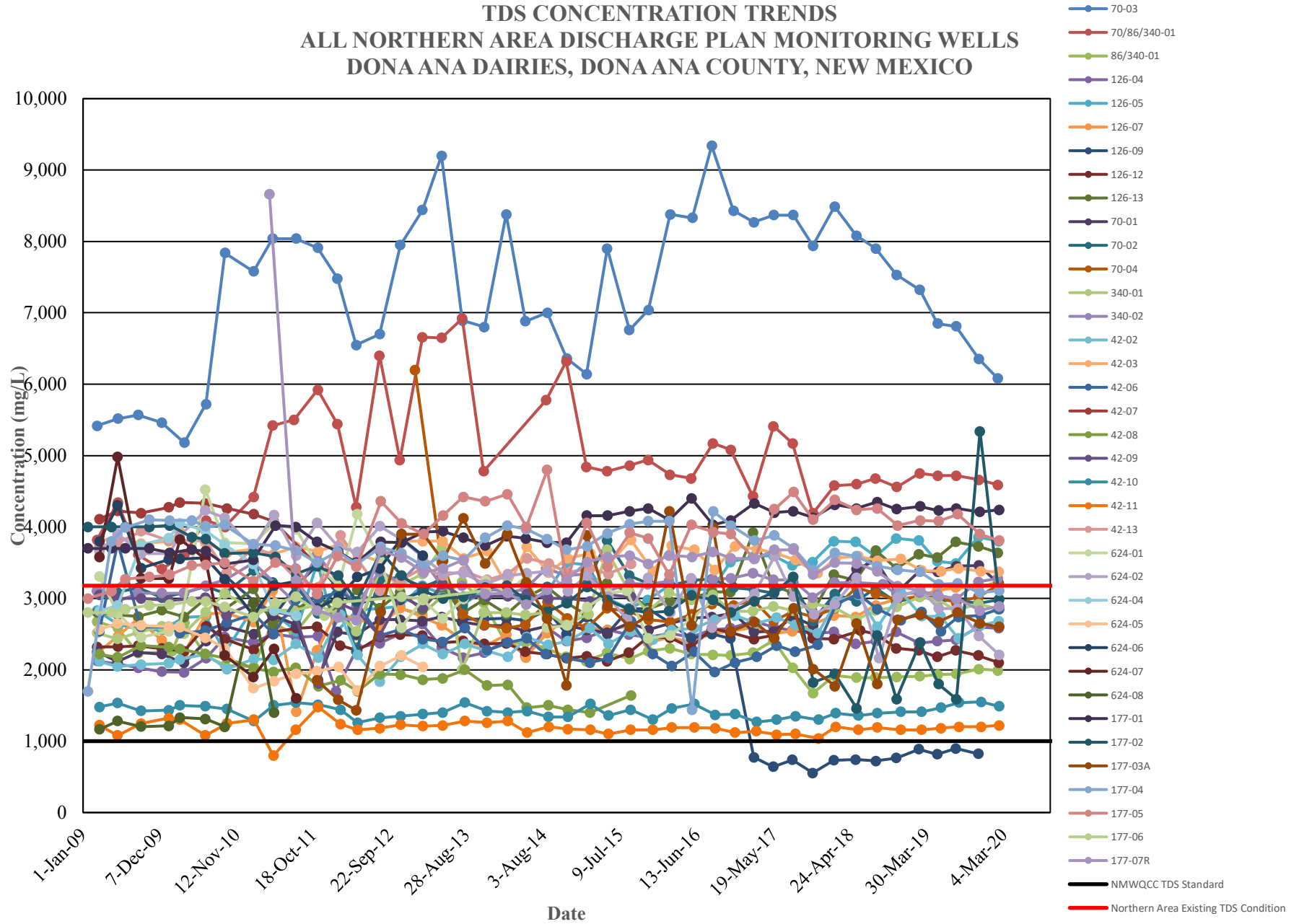
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SOUTHERN AREA (DEL ORO DAIRY) DISCHARGE PLAN MONITORING WELLS
IN THE REGIONAL AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



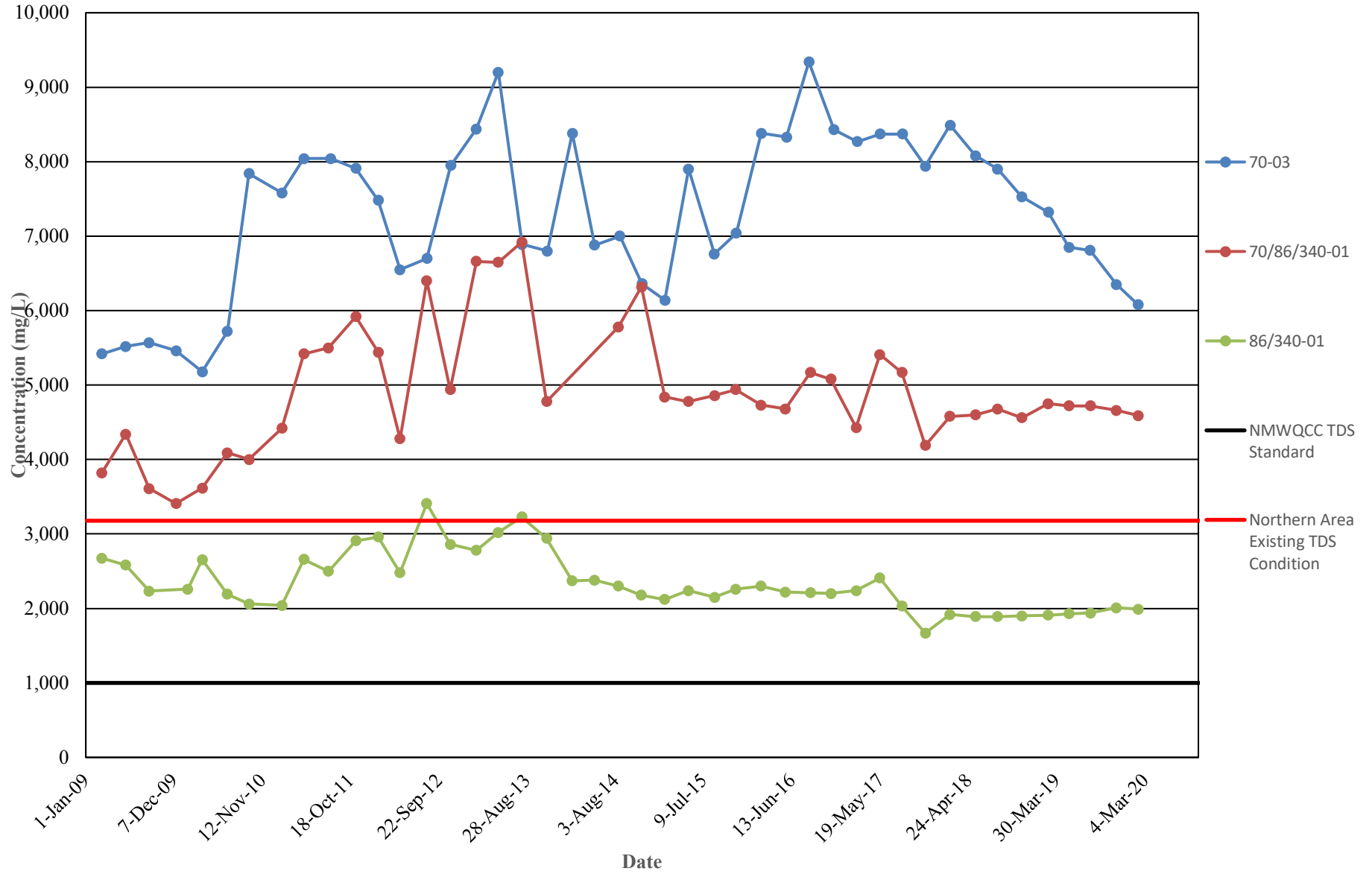
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IN THE PERCHED AQUIFER
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



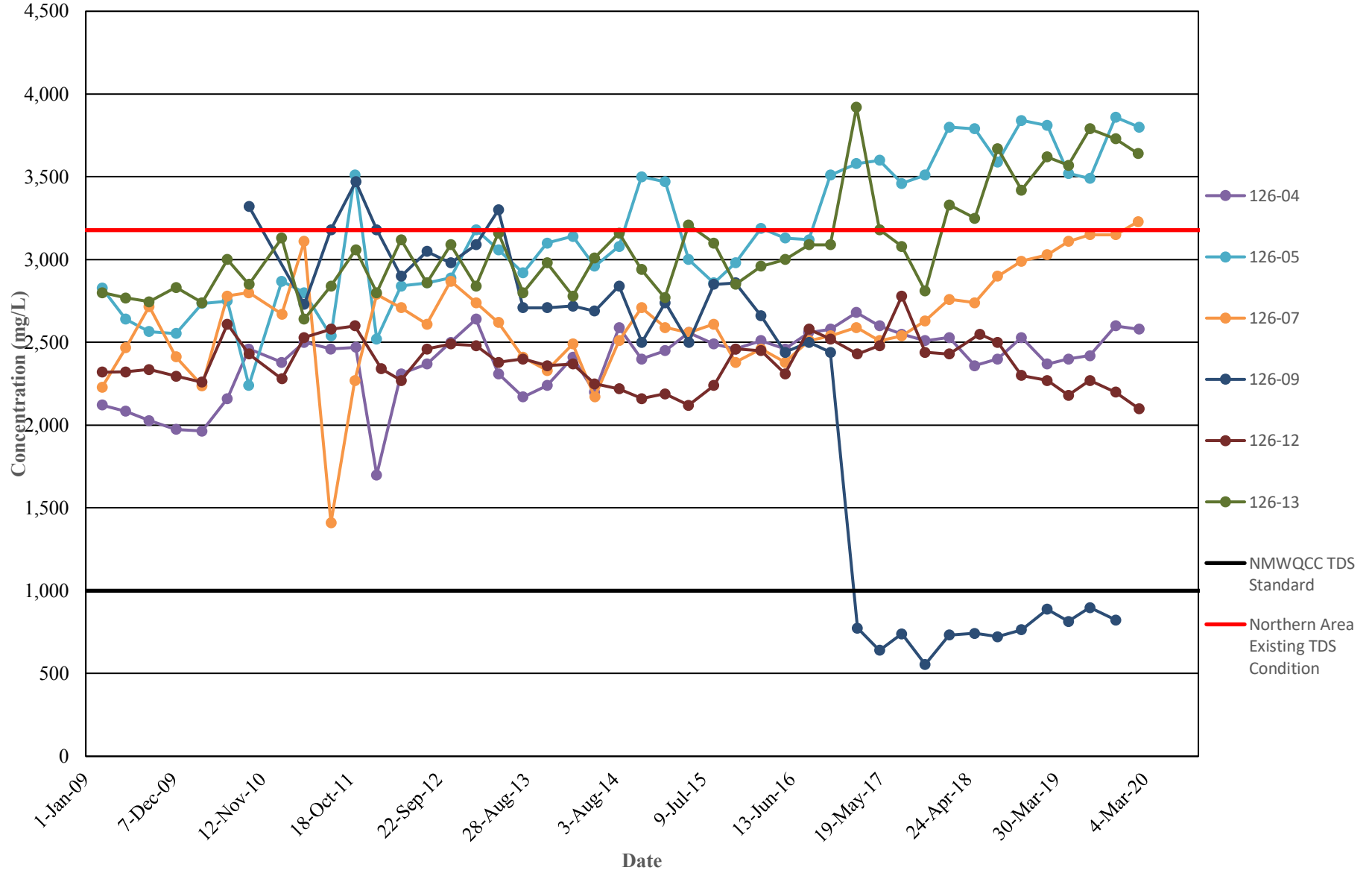
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ALL NORTHERN AREA DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



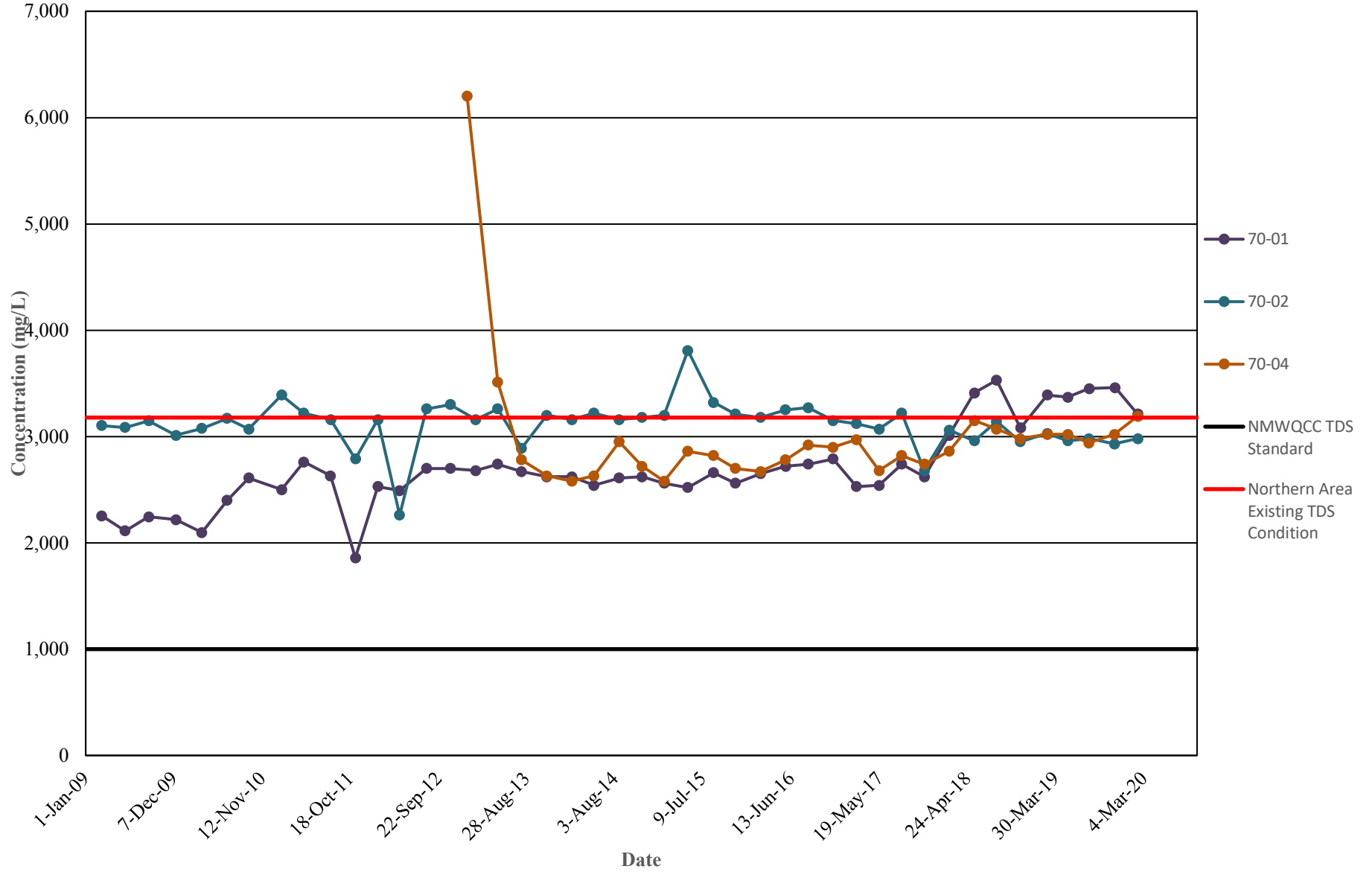
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NORTHERN LAND APPLICATION DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



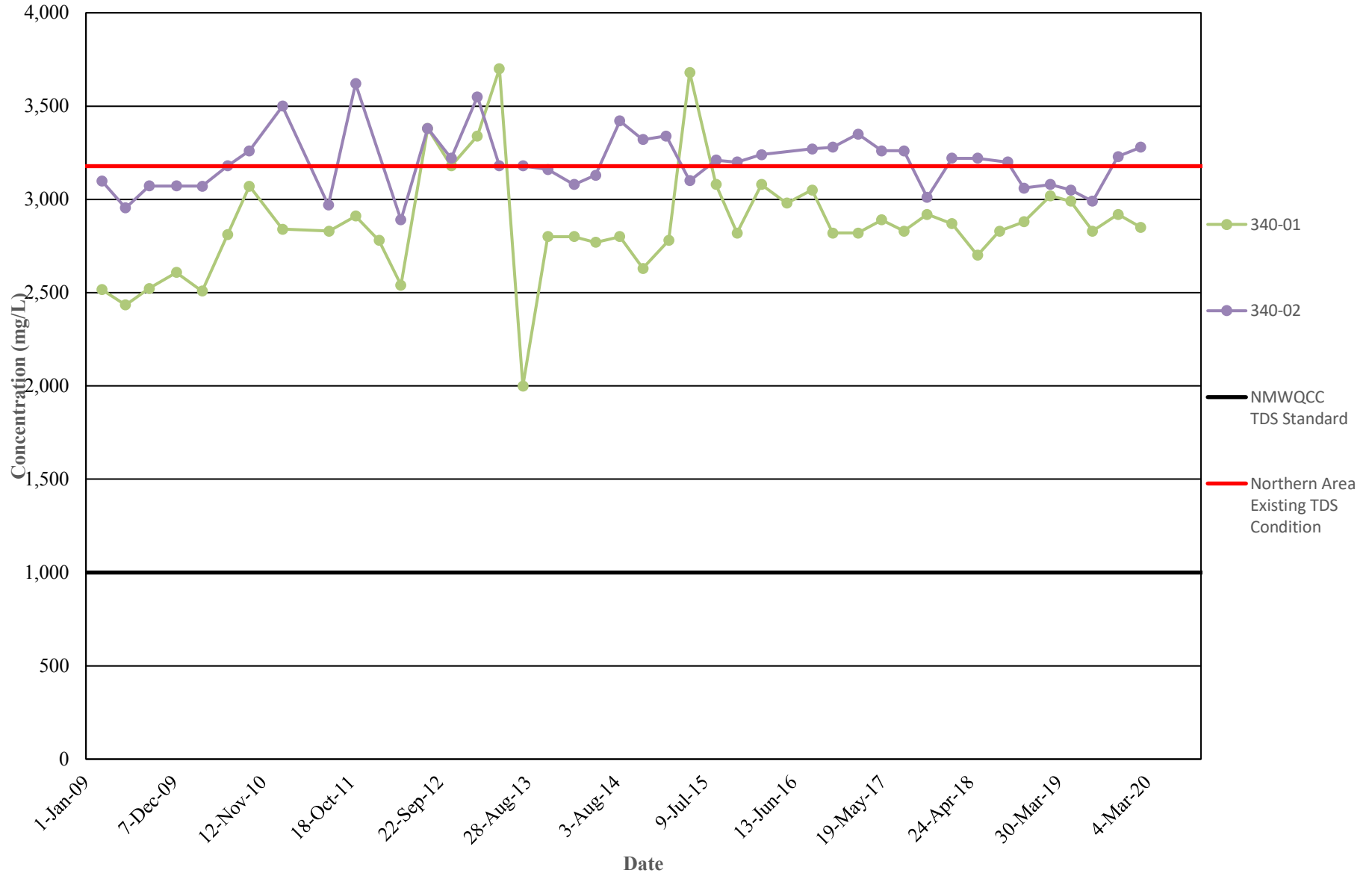
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ORGAN DAIRY DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



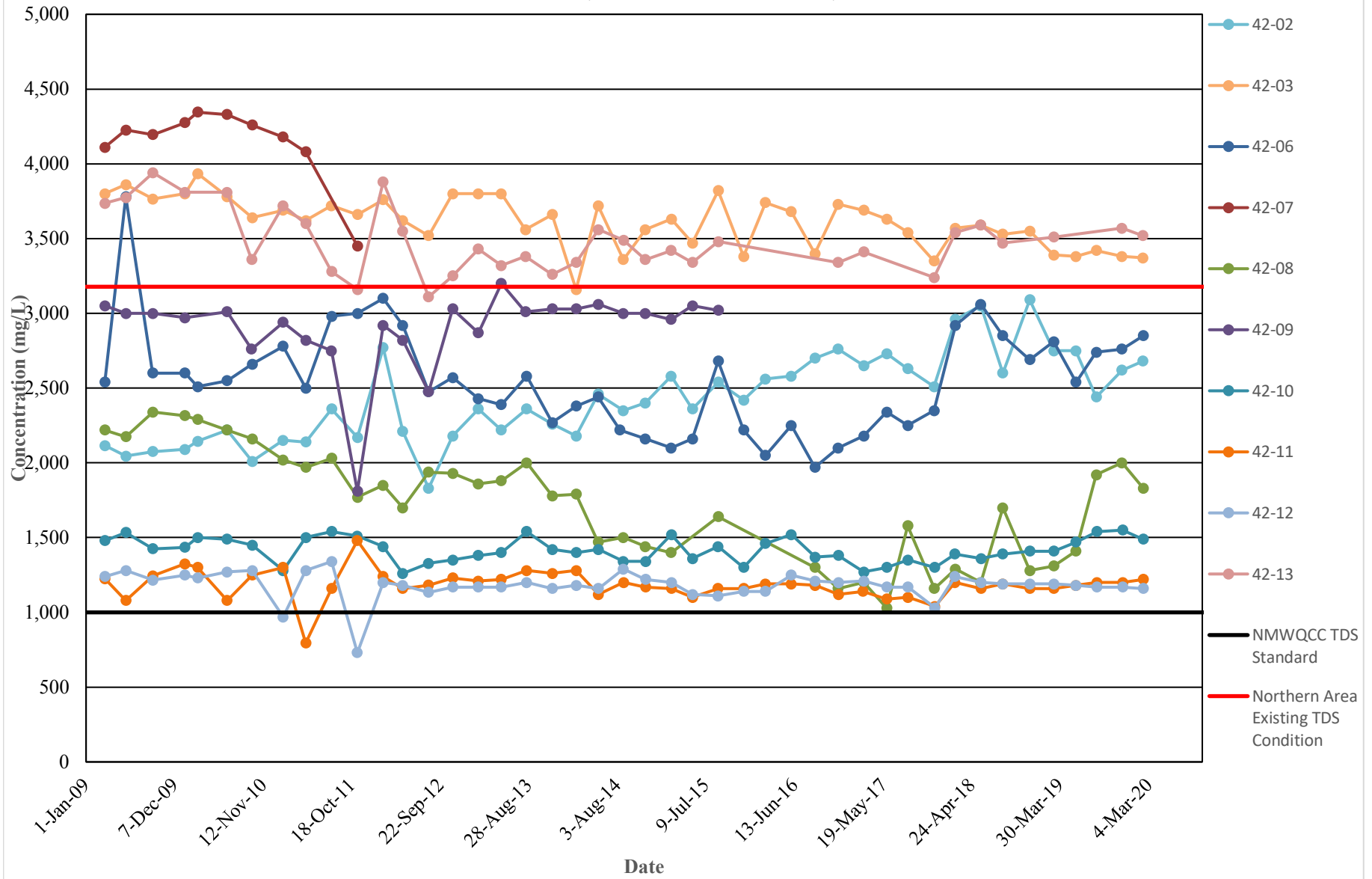
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DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



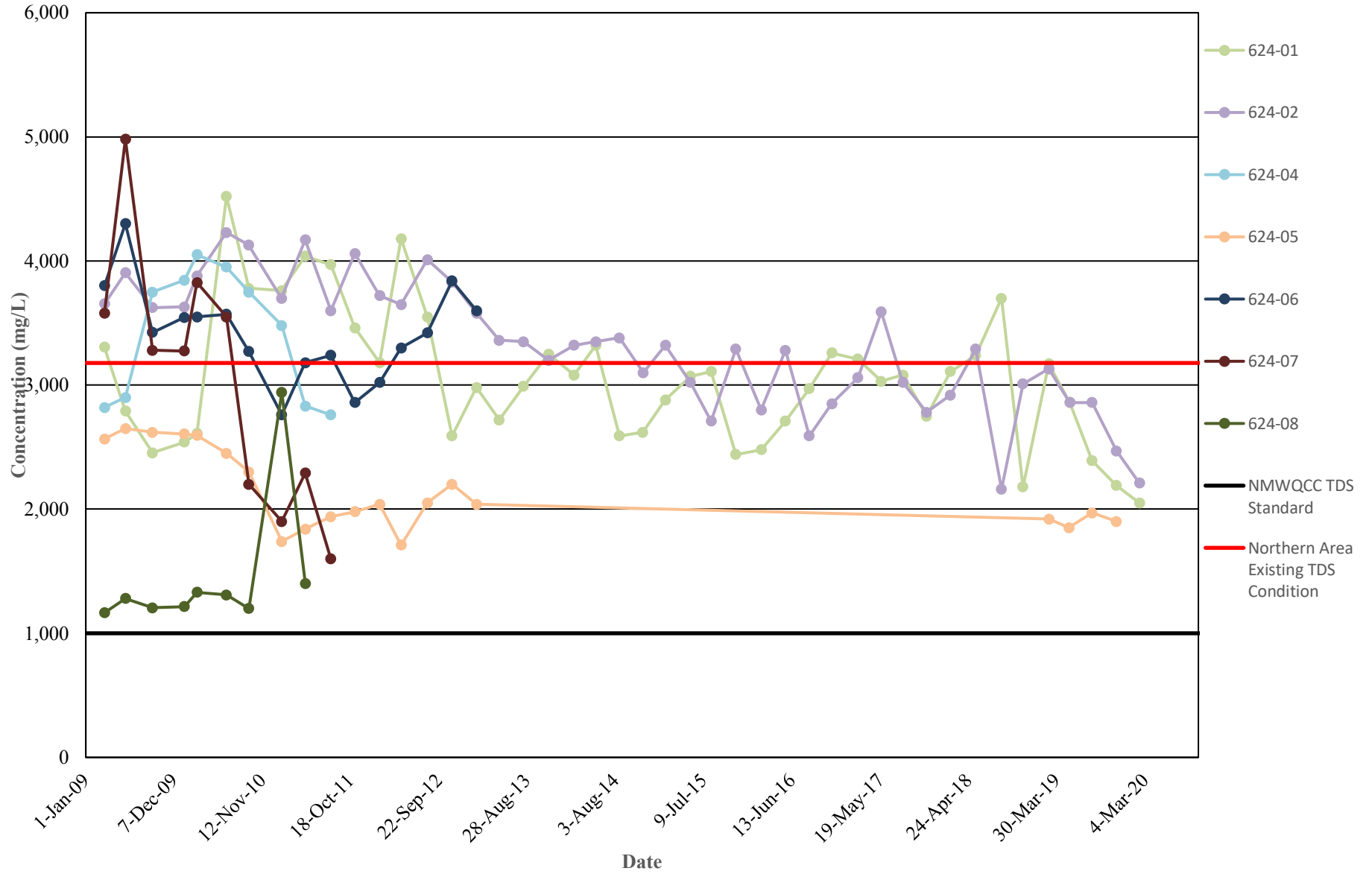
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DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



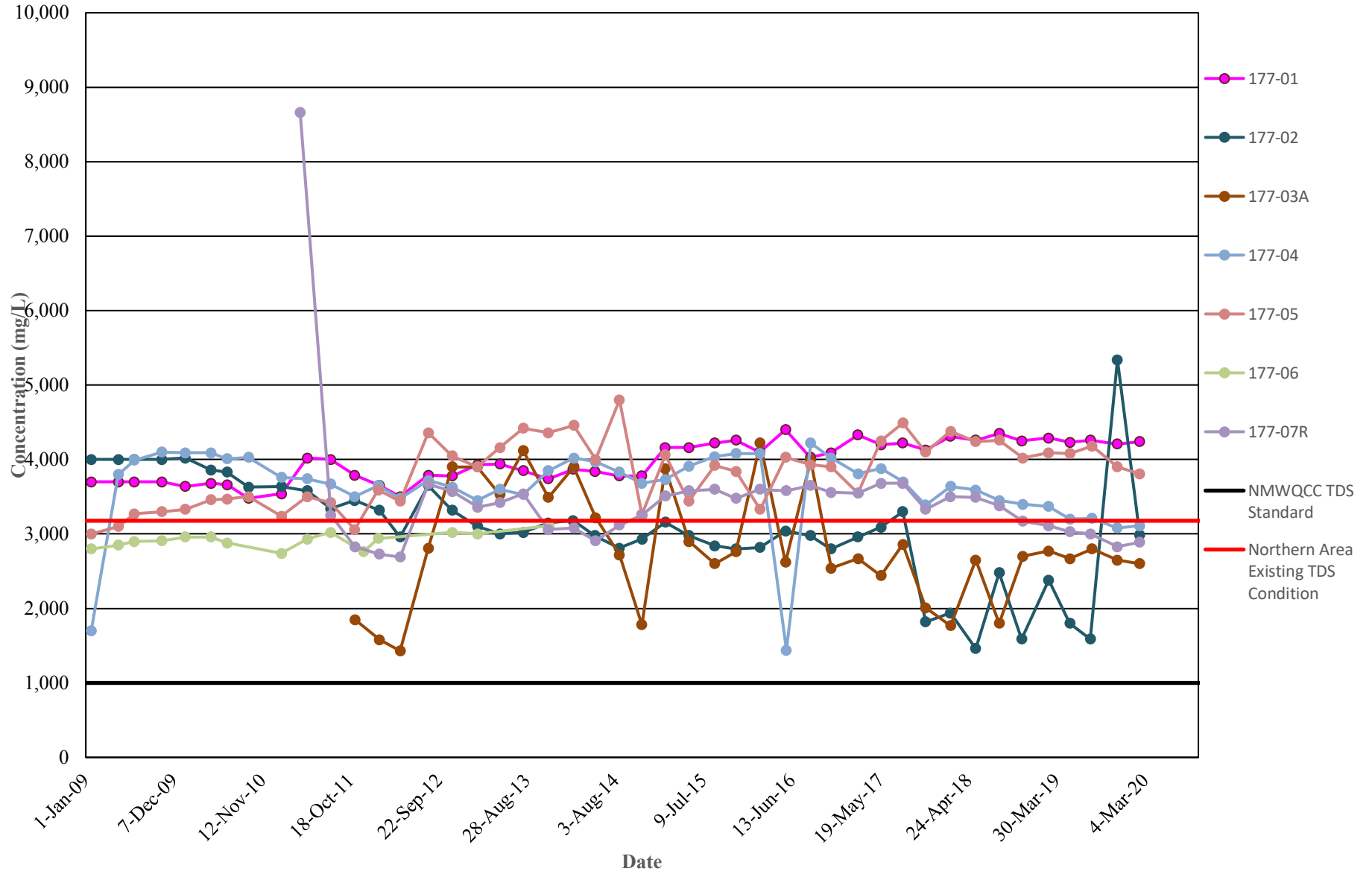
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FORMER D&J DAIRY (DOMINGUEZ 2) DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



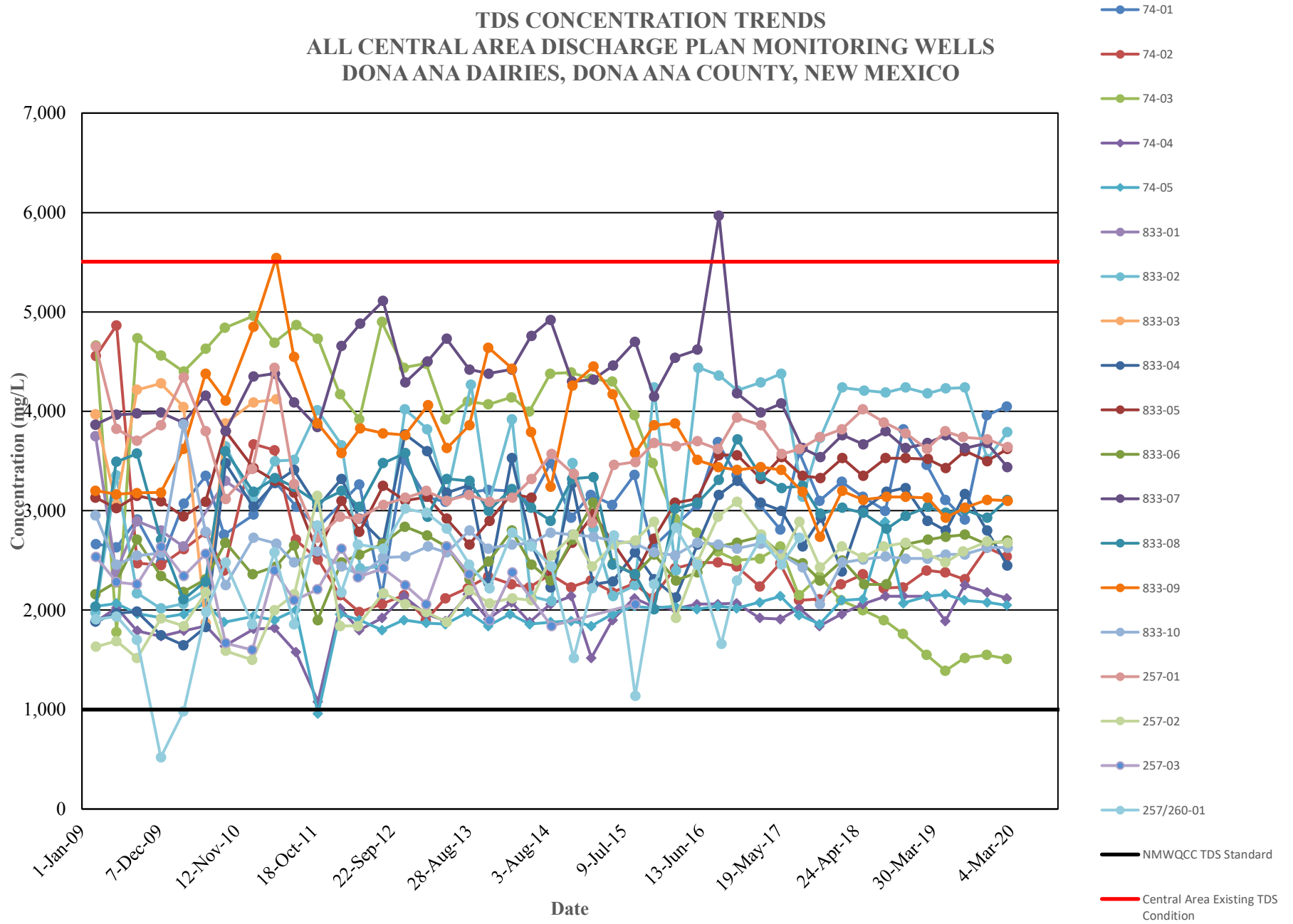
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DOMINGUEZ DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



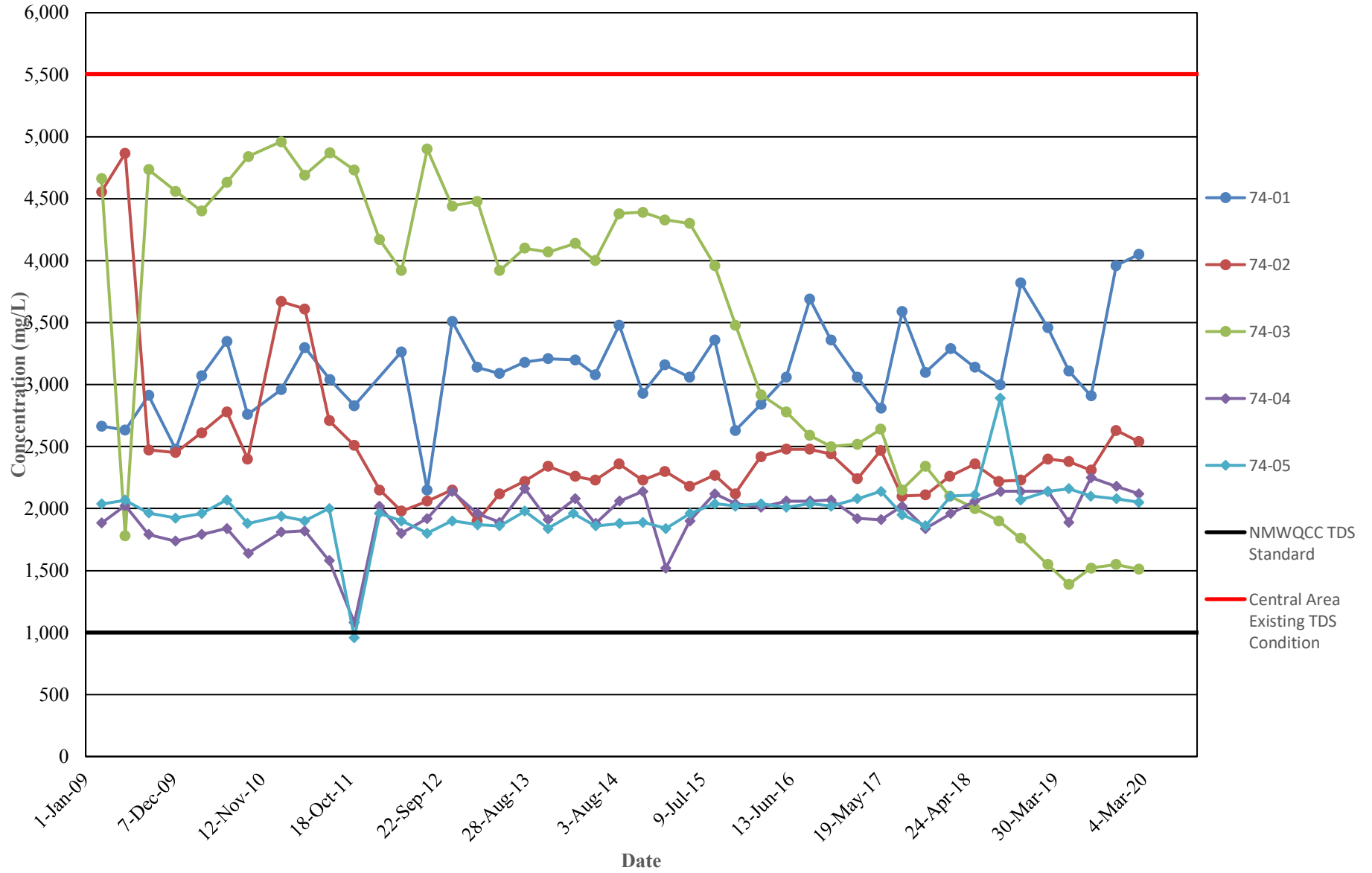
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GONZALEZ DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



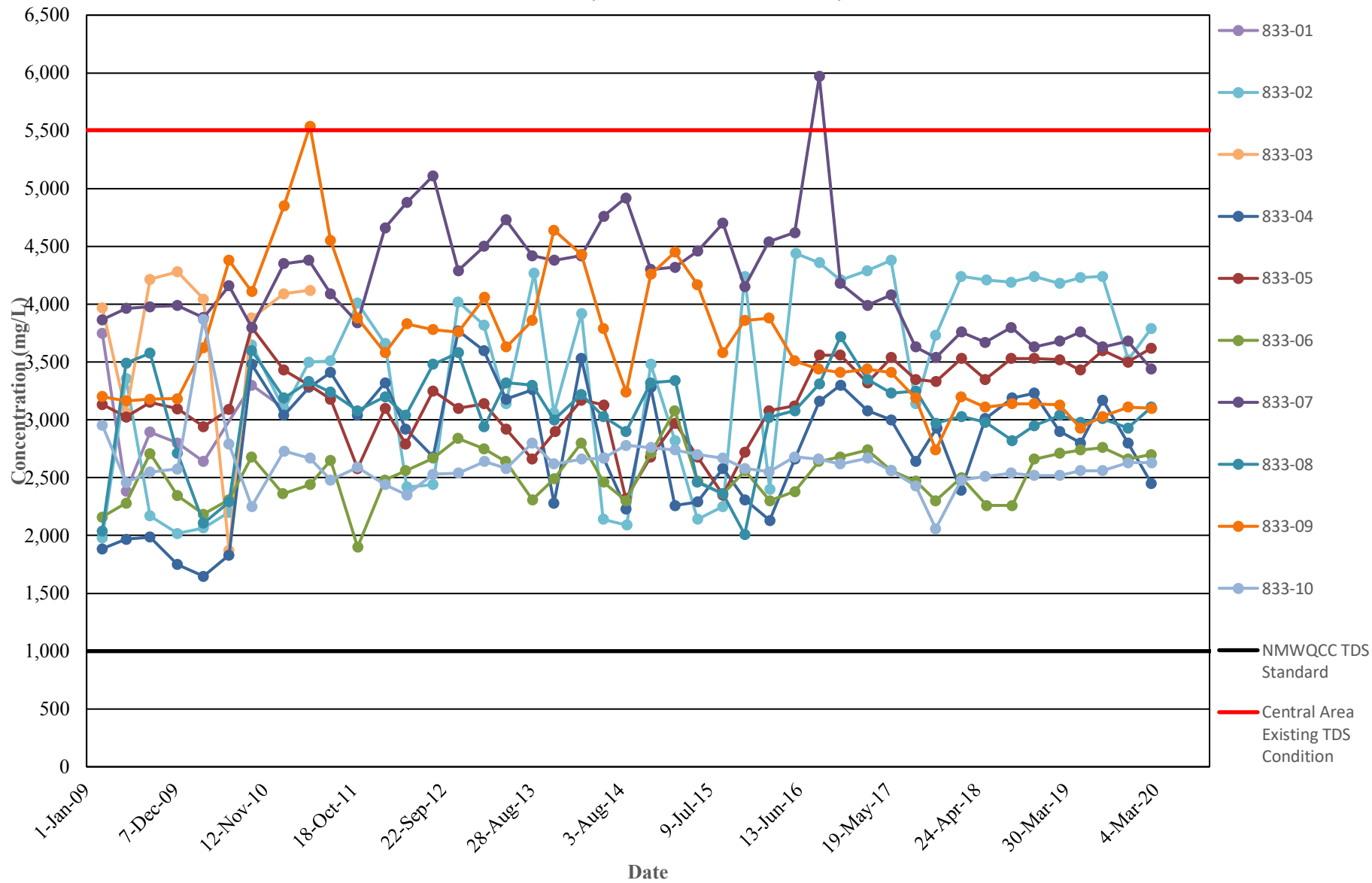
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ALL CENTRAL AREA DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



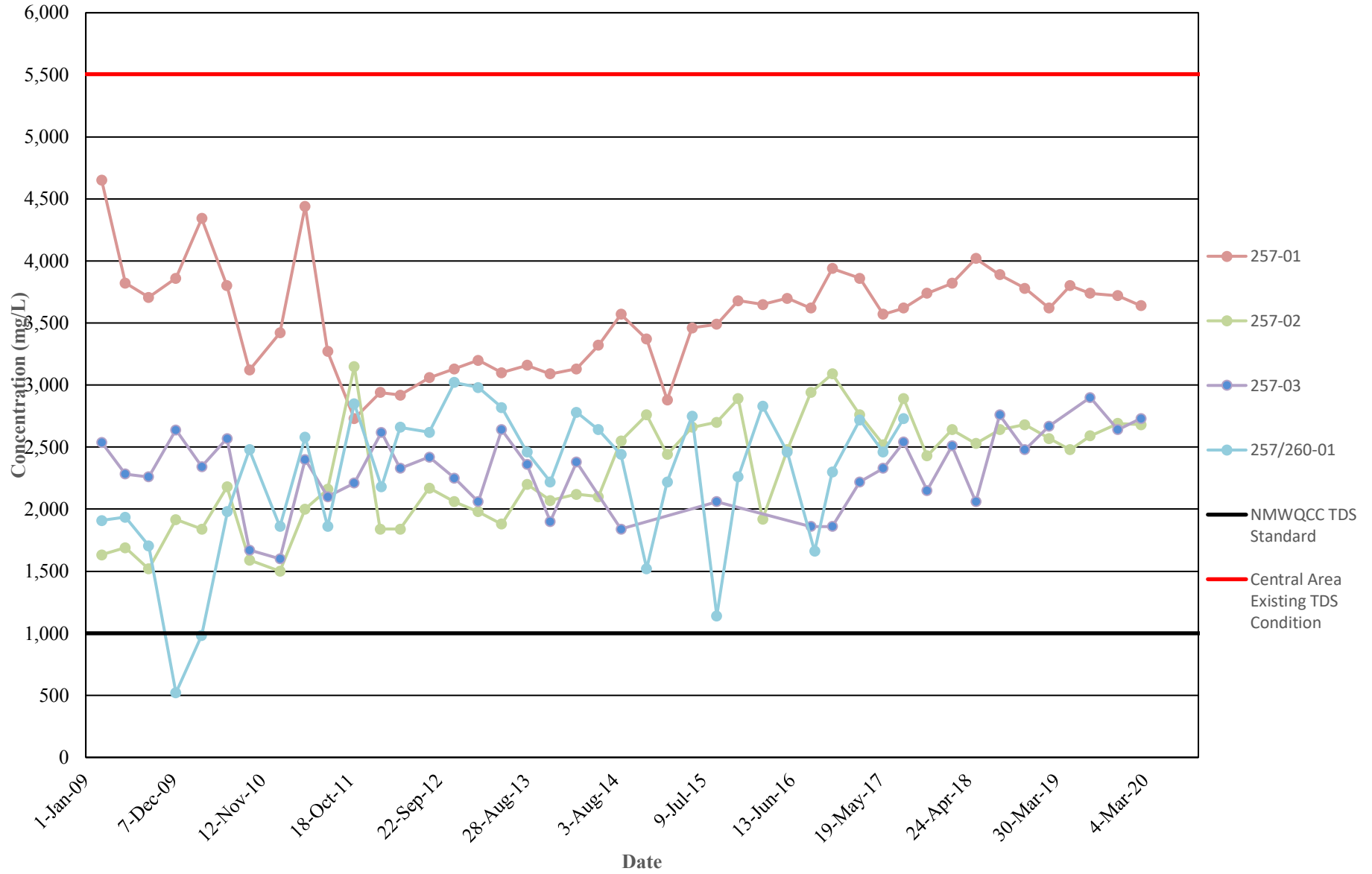
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BUENA VISTA DAIRY II DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



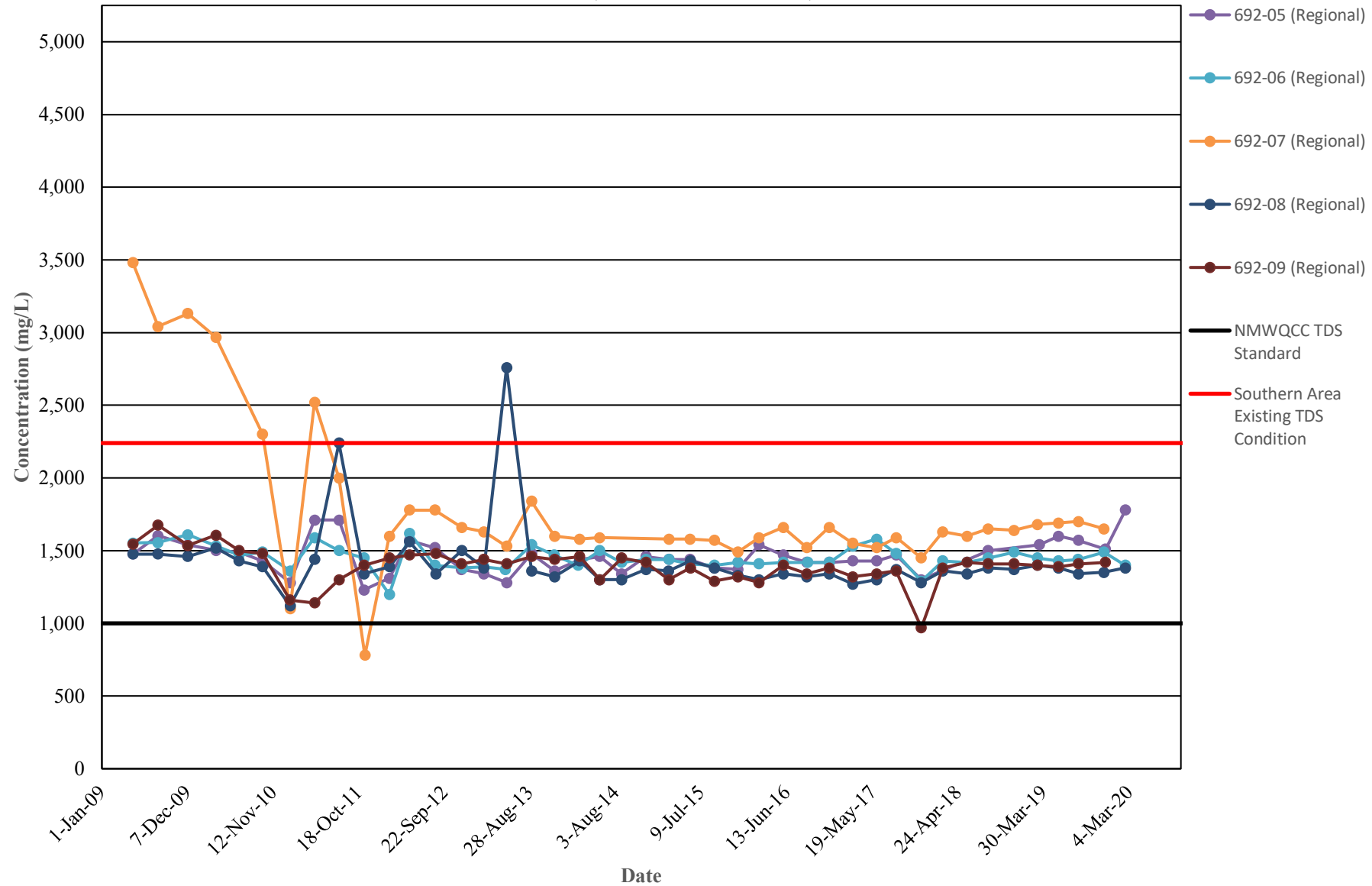
TDS CONCENTRATION TRENDS
BIG SKY DAIRY DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



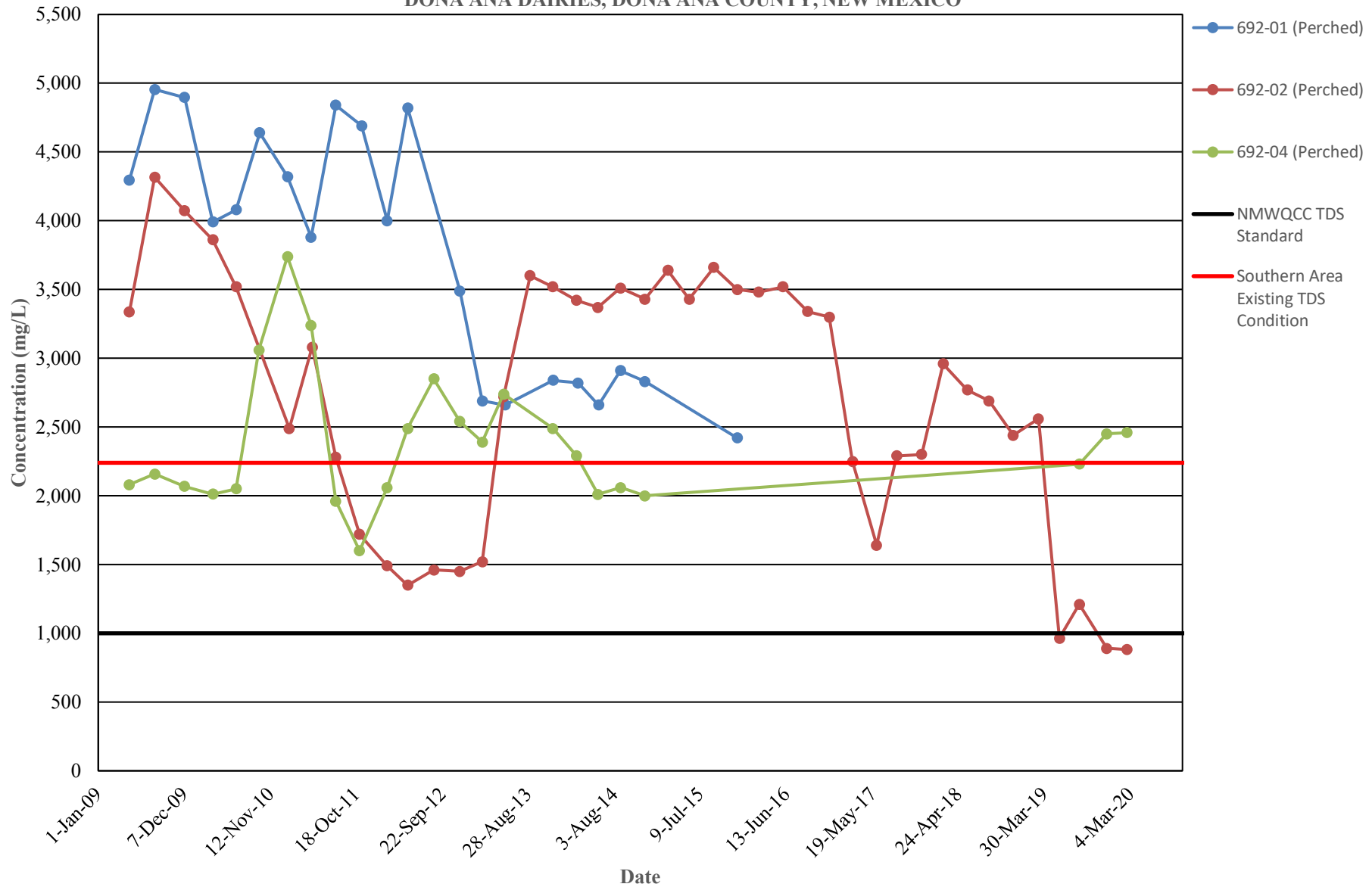
TDS CONCENTRATION TRENDS
SUNSET/DESERT LAND DAIRY DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO



**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 1st 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 R² are plotted, and the slope of the line represents the value for decay rate, k_{point} .

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

$$t = -[\ln(C_{\text{CL}}/C_0)] / k_{\text{point}}$$

where:

t = Time to achieve cleanup levels, years

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

C₀ = Initial concentration of contaminant of concern, mg/L

k_{point} = First-order decay rate constant at one monitoring point, years⁻¹
and slope of the line, y

First-Order Decay Rate Calculation for Monitored Natural Attenuation

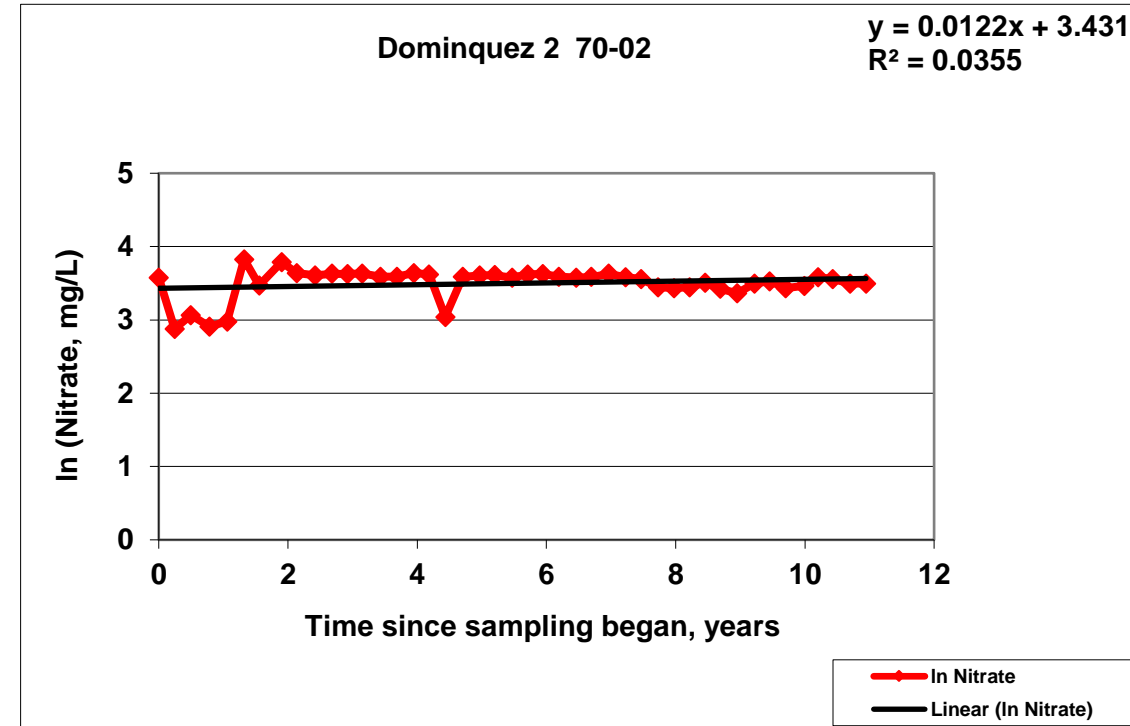
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Monitoring Well: Mountain View Dairy - 70-02

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

Sampling Date	Depth to Ground Water	Nitrate mg/L	Nitrate ug/L	In Nitrate mg/L	Elapsed time since 3/4/09 years
4-Mar-09	39 to 48 feet below top of casing	35.8	35800	3.578	0.00
2-Jun-09		17.8	17800	2.879	0.25
1-Sep-09		21.4	21400	3.063	0.50
15-Dec-09		18.3	18300	2.907	0.78
25-Mar-10		19.6	19600	2.976	1.06
30-Jun-10		46	46000	3.829	1.32
22-Sep-10		32.2	32200	3.472	1.55
27-Jan-11		44.2	44200	3.789	1.90
22-Apr-11		38.1	38100	3.640	2.13
4-Aug-11		36.8	36800	3.605	2.42
7-Nov-11		37.7	37700	3.630	2.68
2-Feb-12		37.5	37500	3.624	2.92
25-Apr-12		37.9	37900	3.635	3.15
7-Aug-12		36.3	36300	3.592	3.43
7-Nov-12		36.2	36200	3.589	3.68
13-Feb-13		38.1	38100	3.640	3.95
9-May-13		37.4	37400	3.622	4.18
9-Aug-13		20.9	20900	3.040	4.44
14-Nov-13		36.1	36100	3.586	4.70
19-Feb-14		36.9	36900	3.608	4.97
14-May-14		37.0	37000	3.611	5.20
20-Aug-14		35.8	35800	3.578	5.47
17-Nov-14		37.4	37400	3.622	5.71
10-Feb-15		37.6	37600	3.627	5.94
12-May-15		36.3	36300	3.592	6.19
19-Aug-15		35.7	35700	3.575	6.46
12-Nov-15		36.1	36100	3.586	6.70
16-Feb-16		37.7	37700	3.630	6.96
23-May-16		35.9	35900	3.581	7.22
18-Aug-16		35.0	35000	3.555	7.46
22-Nov-16	31.3	31300	3.444	7.73	
20-Feb-17	31.0	31000	3.434	7.97	
19-May-17	31.3	31300	3.444	8.21	
14-Aug-17	33.4	33400	3.509	8.45	
9-Nov-17	30.7	30700	3.424	8.69	
13-Feb-18	29	29000	3.367	8.95	
21-May-18	33	33000	3.497	9.22	



15-Aug-18	34	34000	3.526	9.45
14-Nov-18	31	31000	3.434	9.70
26-Feb-19	32	32000	3.466	9.99
16-May-19	36	36000	3.584	10.21
6-Aug-19	35	35000	3.555	10.43
12-Nov-19	33	33000	3.497	10.70
10-Feb-20	33	33000	3.497	10.95
NMWQCC	10	1000	2.303	

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⁻¹

= slope of the line, y

Note: Analysis not valid; indicated increasing trend.

Solutions

70-02, Nitrate		
Enter C _{CL}	⇒	10
Enter C _o	⇒	35.8
Enter k _{point}	⇒	
Time to reach cleanup level		#DIV/0! years

First-Order Decay Rate Calculation for Monitored Natural Attenuation

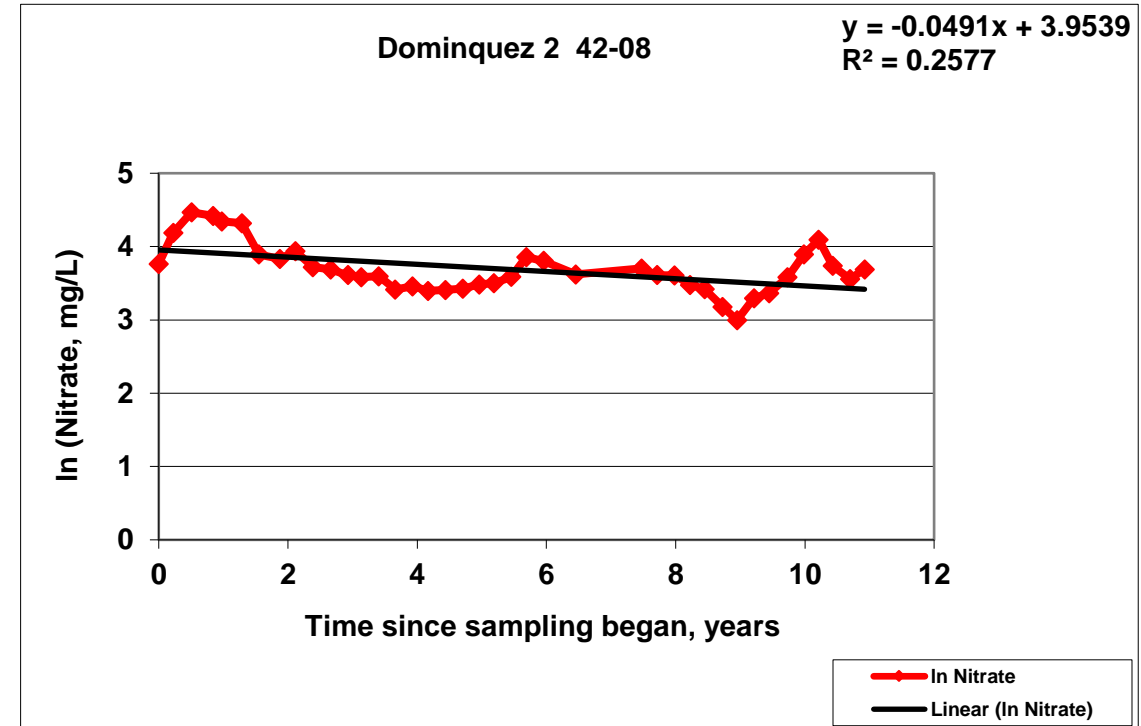
Facility Name: Dona Ana Dairies

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

Sampling Date	Depth to Ground Water	Nitrate mg/L	Nitrate ug/L	In Nitrate mg/L	Elapsed time since 3/14/09 years
14-Mar-09	25 to 32 feet below top of casing	43.2	43200	3.766	0.00
3-Jun-09		65.8	65800	4.187	0.22
15-Sep-09		87.1	87100	4.467	0.51
16-Jan-10		82.8	82800	4.416	0.84
6-Mar-10		76.8	76800	4.341	0.98
27-Jun-10		75	75000	4.317	1.29
1-Oct-10		49.0	49000	3.892	1.55
28-Jan-11		46.2	46200	3.833	1.88
25-Apr-11		51.4	51400	3.940	2.12
2-Aug-11		41.3	41300	3.721	2.39
9-Nov-11		40.0	40000	3.689	2.66
16-Feb-12		37.0	37000	3.611	2.93
1-May-12		36.0	36000	3.584	3.13
8-Aug-12		36.4	36400	3.595	3.41
9-Nov-12		30.4	30400	3.414	3.66
15-Feb-13		31.8	31800	3.459	3.93
14-May-13		29.9	29900	3.398	4.17
20-Aug-13		30.3	30300	3.411	4.44
26-Nov-13		30.8	30800	3.428	4.71
26-Feb-14		32.6	32600	3.484	4.96
21-May-14		33.1	33100	3.500	5.19
26-Aug-14		36.1	36100	3.586	5.45
18-Nov-14		47.3	47300	3.857	5.68
26-Feb-15		44.9	44900	3.804	5.96
26-Aug-15		37.4	37400	3.622	6.45
31-Aug-16		40.6	40600	3.704	7.47
28-Nov-16		37.0	37000	3.611	7.72
6-Mar-17		36.8	36800	3.605	7.98
2-Jun-17		32.3	32300	3.475	8.22
22-Aug-17		30.6	30600	3.421	8.45
2-Dec-17	24.0	24000	3.178	8.73	
21-Feb-18	20	20000	2.996	8.95	
29-May-18	27	27000	3.296	9.21	
22-Aug-18	29	29000	3.367	9.45	
4-Dec-18	36	36000	3.584	9.73	
6-Mar-19	49	49000	3.892	9.98	
29-May-19	60	60000	4.094	10.21	



16-Aug-19	42	42000	3.738	10.43
22-Nov-19	35	35000	3.555	10.70
12-Feb-20	40	40000	3.689	10.92
NMWQCC	10	1000	2.303	

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⁻¹

= slope of the line, y

Solutions

42-08, Nitrate		
Enter C _{CL}	⇒	10
Enter C _o	⇒	43.2
Enter k _{point}	⇒	0.0491
Time to reach cleanup level		29.8 years

First-Order Decay Rate Calculation for Monitored Natural Attenuation

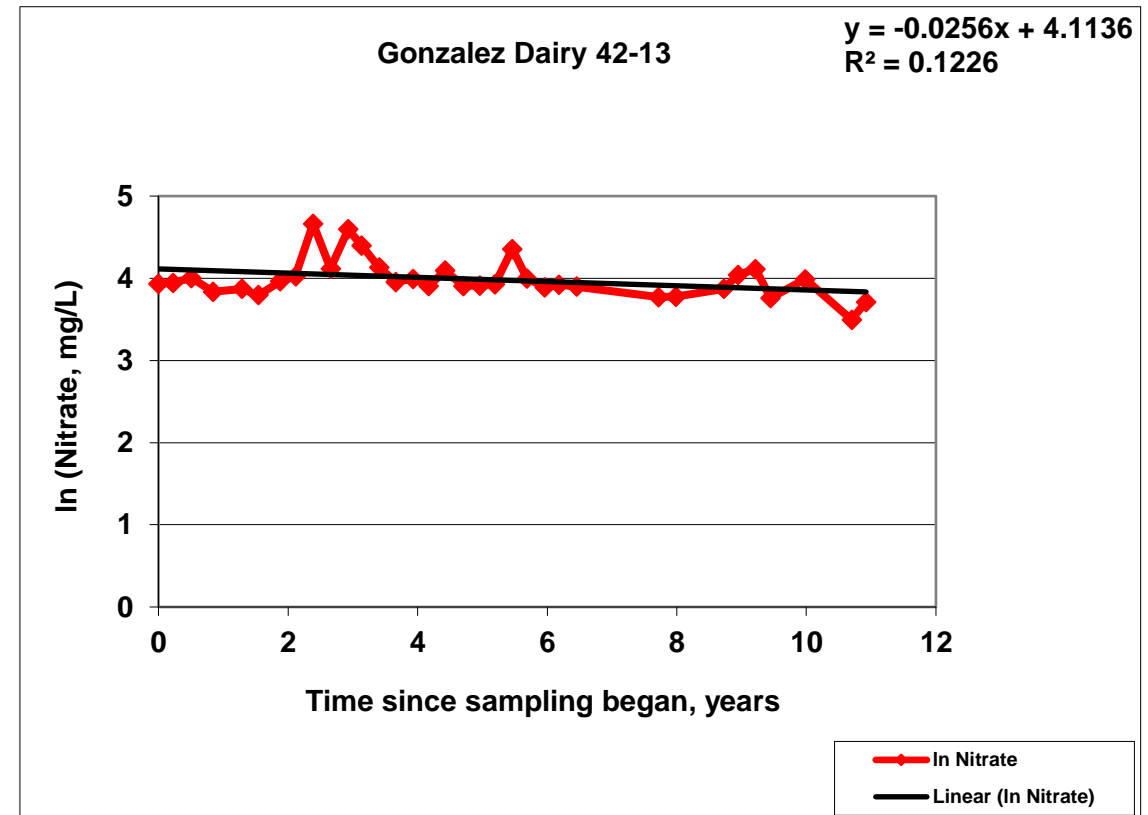
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Monitoring Well: Gonzalez Dairy 42-13

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

Sampling Date	Depth To Water	Nitrate mg/L	Nitrate ug/L	In Nitrate mg/L	Elapsed time since 3/14/2009 years
14-Mar-09	52 to 60 feet below top of casing	51.0	51000	3.932	0.00
3-Jun-09		51.6	51600	3.944	0.22
15-Sep-09		54.8	54800	4.004	0.51
16-Jan-10		46.3	46300	3.835	0.84
27-Jun-10		48	48000	3.871	1.29
29-Sep-10		44.5	44500	3.795	1.55
28-Jan-11		52.6	52600	3.963	1.88
25-Apr-11		55.9	55900	4.024	2.12
2-Aug-11		106	106000	4.663	2.39
9-Nov-11		61.5	61500	4.119	2.66
16-Feb-12		99.1	99100	4.596	2.93
1-May-12		81.5	81500	4.401	3.13
8-Aug-12		62.3	62300	4.132	3.41
9-Nov-12		52.2	52200	3.955	3.66
15-Feb-13		54.3	54300	3.995	3.93
14-May-13		49.7	49700	3.906	4.17
15-Aug-13		59.9	59900	4.093	4.42
26-Nov-13		49.8	49800	3.908	4.71
26-Feb-14		50.0	50000	3.912	4.96
22-May-14		50.9	50900	3.930	5.19
27-Aug-14		77.9	77900	4.355	5.46
18-Nov-14		54.6	54600	4.000	5.68
26-Feb-15		49.0	49000	3.892	5.96
18-May-15		50.6	50600	3.924	6.18
26-Aug-15		49.3	49300	3.898	6.45
28-Nov-16		43.5	43500	3.773	7.72
6-Mar-17		43.6	43600	3.775	7.98
1-Dec-17		48.0	48000	3.871	8.72
21-Feb-18	57	57000	4.043	8.95	
29-May-18	61	61000	4.111	9.21	
22-Aug-18	43	43000	3.761	9.45	
6-Mar-19	54	54000	3.989	9.98	
22-Nov-19	33	33000	3.497	10.70	
11-Feb-20	41	41000	3.714	10.92	
NMWQCC		10	1000	2.303	



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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⁻¹
 = slope of the line, y

Solutions

42-13, Nitrate		
Enter C _{CL}	⇒	10
Enter C _o	⇒	51
Enter k _{point}	⇒	0.0256
Time to reach cleanup level		63.6 years

First-Order Decay Rate Calculation for Monitored Natural Attenuation

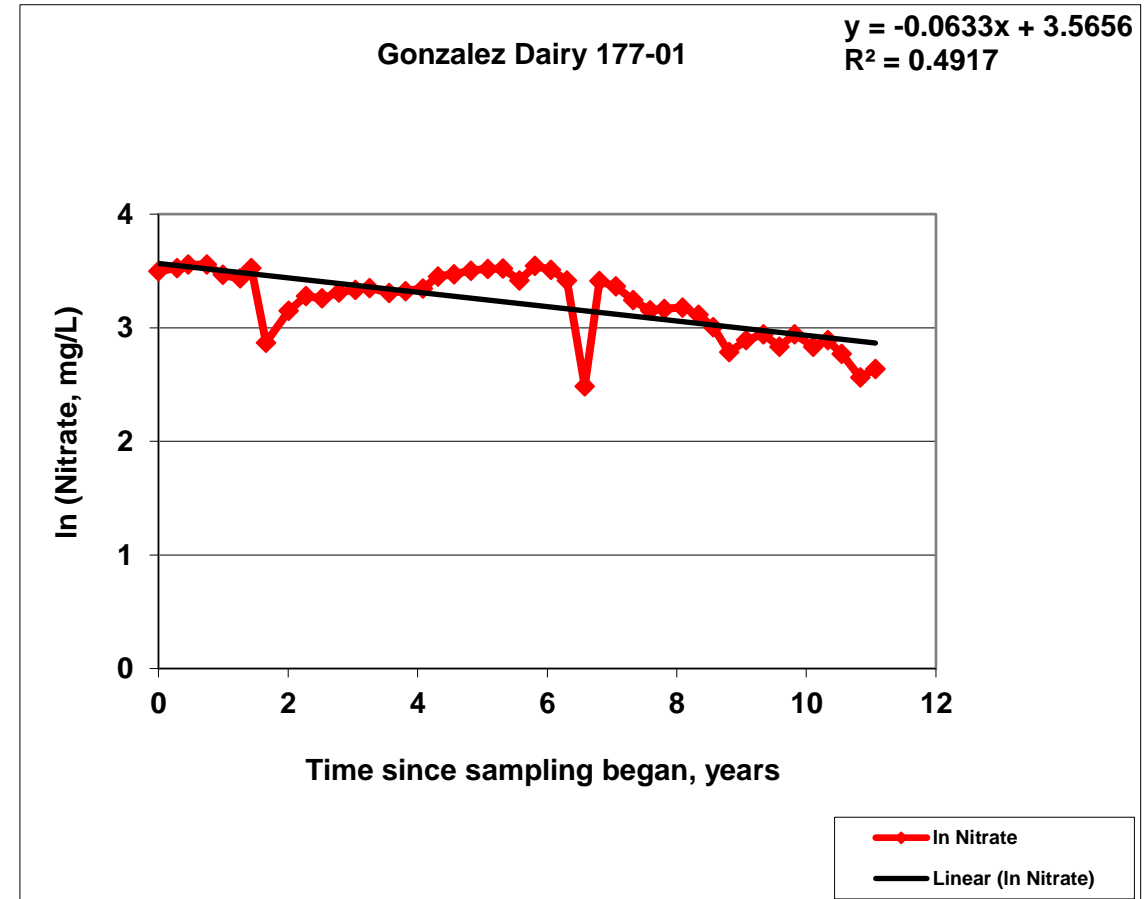
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Monitoring Well: Gonzalez Dairy 177-01

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

Sampling Date	Depth To Water	Nitrate mg/L	Nitrate ug/L	In Nitrate mg/L	Elapsed time since 1/22/09 years
22-Jan-09	14 to 20 feet below top of casing	33	33000	3.497	0.00
6-May-09		34	34000	3.526	0.28
7-Jul-09		35	35000	3.555	0.45
21-Oct-09		35	35000	3.555	0.75
20-Jan-10		32	32000	3.466	0.99
28-Apr-10		31	31000	3.434	1.26
29-Jun-10		34	34000	3.526	1.43
20-Sep-10		17.6	17600	2.868	1.66
25-Jan-11		23.3	23300	3.148	2.01
4-May-11		26.6	26600	3.281	2.28
2-Aug-11		26.0	26000	3.258	2.53
3-Nov-11		27.4	27400	3.311	2.78
6-Feb-12		28.1	28100	3.336	3.04
26-Apr-12		28.5	28500	3.350	3.26
13-Aug-12		27.3	27300	3.307	3.56
13-Nov-12		27.7	27700	3.321	3.81
19-Feb-13		28.4	28400	3.346	4.08
15-May-13		31.6	31600	3.453	4.31
13-Aug-13		32.2	32200	3.472	4.56
18-Nov-13		33.2	33200	3.503	4.82
21-Feb-14		33.7	33700	3.517	5.08
16-May-14		33.8	33800	3.520	5.32
18-Aug-14		30.5	30500	3.418	5.57
13-Nov-14		34.6	34600	3.544	5.81
11-Feb-15		33.5	33500	3.512	6.06
13-May-15		30.4	30400	3.414	6.31
21-Aug-15		12.0	12000	2.485	6.58
11-Nov-15		30.3	30300	3.411	6.81
11-Feb-16	28.9	28900	3.364	7.06	
20-May-16	25.6	25600	3.243	7.33	
23-Aug-16	23.4	23400	3.153	7.59	
10-Nov-16	23.7	23700	3.165	7.81	
22-Feb-17	24.0	24000	3.178	8.09	
22-May-17	22.5	22500	3.114	8.33	
14-Aug-17	20.2	20200	3.006	8.56	



10-Nov-17	16.2	16200	2.785	8.81
14-Feb-18	18	18000	2.890	9.07
22-May-18	19	19000	2.944	9.33
21-Aug-18	17	17000	2.833	9.58
15-Nov-18	19	19000	2.944	9.82
27-Feb-19	17	17000	2.833	10.10
20-May-19	18	18000	2.890	10.33
7-Aug-19	16	16000	2.773	10.55
19-Nov-19	13	13000	2.565	10.83
13-Feb-20	14	14000	2.639	11.07
NMWQCC	10	1000	2.303	

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⁻¹
= slope of the line, y

Solutions

177-01, Nitrate

Enter C_{CL} ⇒ 10

Enter C_o ⇒ 33

Enter k_{point} ⇒ 0.0633

Time to reach cleanup level 18.9 years

First-Order Decay Rate Calculation for Monitored Natural Attenuation

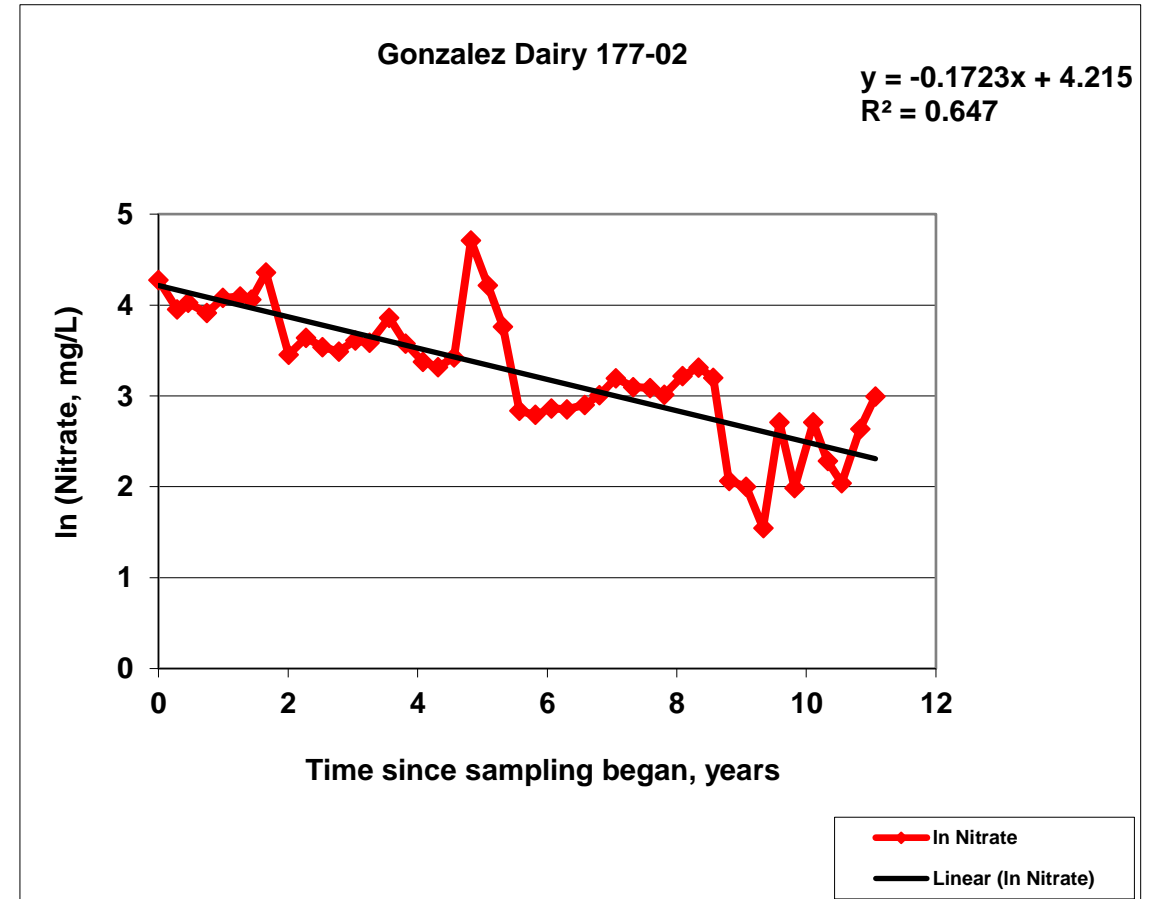
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Monitoring Well: Gonzalez Dairy 177-02

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

Sampling Date	Depth To Water	Nitrate mg/L	Nitrate ug/L	In Nitrate mg/L	Elapsed time since 1/22/09 years
22-Jan-09	14 to 21 feet below top of casing	72	72000	4.277	0.00
6-May-09		52	52000	3.951	0.28
7-Jul-09		56	56000	4.025	0.45
21-Oct-09		50	50000	3.912	0.75
20-Jan-10		59	59000	4.078	0.99
28-Apr-10		60	60000	4.094	1.26
29-Jun-10		58	58000	4.060	1.43
20-Sep-10		78.0	78000	4.357	1.66
25-Jan-11		31.6	31600	3.453	2.01
4-May-11		38.1	38100	3.640	2.28
3-Aug-11		34.4	34400	3.538	2.53
3-Nov-11		32.7	32700	3.487	2.78
6-Feb-12		37.0	37000	3.611	3.04
26-Apr-12		36.0	36000	3.584	3.26
13-Aug-12		47.4	47400	3.859	3.56
13-Nov-12		35.8	35800	3.578	3.81
19-Feb-13		29.3	29300	3.378	4.08
15-May-13		27.6	27600	3.318	4.31
13-Aug-13		30.7	30700	3.424	4.56
18-Nov-13		111	111000	4.710	4.82
21-Feb-14		67.9	67900	4.218	5.08
16-May-14		43.0	43000	3.761	5.32
18-Aug-14		17.1	17100	2.839	5.57
14-Nov-14		16.3	16300	2.791	5.81
12-Feb-15	17.5	17500	2.862	6.06	
13-May-15	17.3	17300	2.851	6.31	
21-Aug-15	18.2	18200	2.901	6.58	
11-Nov-15	20.3	20300	3.011	6.81	
11-Feb-16	24.4	24400	3.195	7.06	
20-May-16	22.1	22100	3.096	7.33	
23-Aug-16	21.9	21900	3.086	7.59	
10-Nov-16	20.4	20400	3.016	7.81	
22-Feb-17	25.0	25000	3.219	8.09	
22-May-17	27.4	27400	3.311	8.33	
14-Aug-17	24.5	24500	3.199	8.56	



10-Nov-17	7.89	7890	2.066	8.81
14-Feb-18	7.4	7400	2.001	9.07
22-May-18	4.7	4700	1.548	9.33
21-Aug-18	15	15000	2.708	9.58
15-Nov-18	7.3	7300	1.988	9.82
27-Feb-19	15	15000	2.708	10.10
20-May-19	9.8	9800	2.282	10.33
7-Aug-19	7.7	7700	2.041	10.55
19-Nov-19	14	14000	2.639	10.83
13-Feb-20	20	20000	2.996	11.07
NMWQCC	10	1000	2.303	

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⁻¹

= slope of the line, y

Solutions

177-02, Nitrate

Enter C_{CL} ⇒ 10

Enter C_o ⇒ 72

Enter k_{point} ⇒ 0.1723

Time to reach cleanup level 11.5 years

First-Order Decay Rate Calculation for Monitored Natural Attenuation

Facility Name: Dona Ana Dairies

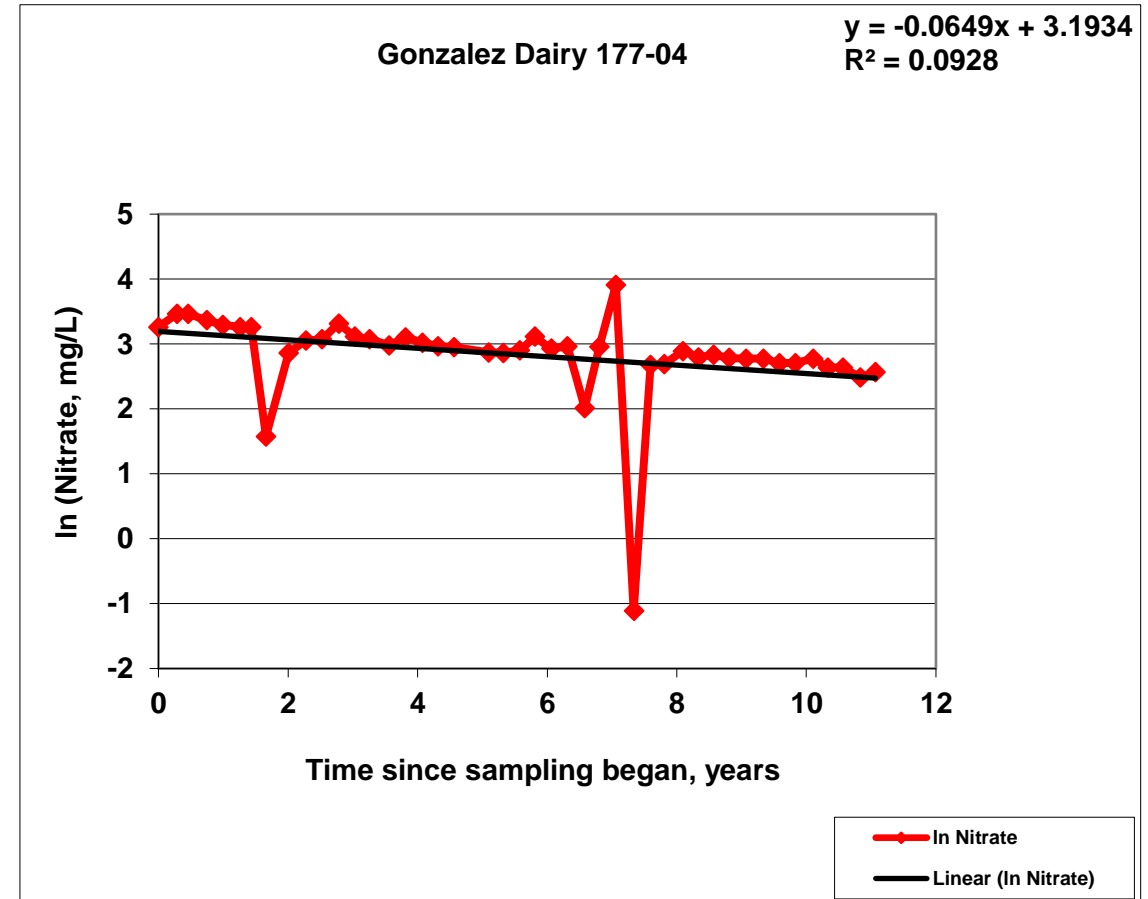
Facility Location and Address: Dona Ana County, New Mexico

Monitoring Well: Gonzalez Dairy 177-04

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

Downgradient of storm water retention pond - synthetically line in 2007.

Sampling Date	Depth To Water	Nitrate mg/L	Nitrate ug/L	In Nitrate mg/L	Elapsed time since 1/22/09 years
22-Jan-09	20 to 27 feet below top of casing	26	26000	3.258	0.00
6-May-09		32	32000	3.466	0.28
7-Jul-09		32	32000	3.466	0.45
21-Oct-09		29	29000	3.367	0.75
20-Jan-10		27	27000	3.296	0.99
28-Apr-10		26	26000	3.258	1.26
29-Jun-10		26	26000	3.258	1.43
20-Sep-10		4.8	4830	1.575	1.66
25-Jan-11		17.5	17500	2.862	2.01
4-May-11		21.2	21200	3.054	2.28
2-Aug-11		21.6	21600	3.073	2.53
3-Nov-11		27.5	27500	3.314	2.78
2-Feb-12		22.5	22500	3.114	3.03
26-Apr-12		21.7	21700	3.077	3.26
13-Aug-12		19.7	19700	2.981	3.56
13-Nov-12		22.3	22300	3.105	3.81
18-Feb-13		20.5	20500	3.020	4.08
15-May-13		19.4	19400	2.965	4.31
13-Aug-13		19.1	19100	2.950	4.56
24-Feb-14		17.6	17600	2.868	5.09
19-May-14	17.5	17500	2.862	5.32	
19-Aug-14	18.2	18200	2.901	5.58	
13-Nov-14	22.5	22500	3.114	5.81	
12-Feb-15	18.7	18700	2.929	6.06	
14-May-15	19.4	19400	2.965	6.31	
21-Aug-15	7.50	7500	2.015	6.58	
11-Nov-15	19.3	19300	2.960	6.81	
12-Feb-16	49.8	49800	3.908	7.06	
23-May-16	0.329	329	-1.112	7.34	
24-Aug-16	14.5	14500	2.674	7.59	
11-Nov-16	14.8	14800	2.695	7.81	
23-Feb-17	18.0	18000	2.890	8.09	
22-May-17	16.4	16400	2.797	8.33	
16-Aug-17	17.0	17000	2.833	8.57	
10-Nov-17	16.2	16200	2.785	8.81	



15-Feb-18	16	16000	2.773	9.07
22-May-18	16	16000	2.773	9.33
21-Aug-18	15	15000	2.708	9.58
20-Nov-18	15	15000	2.708	9.83
27-Feb-19	16	16000	2.773	10.10
20-May-19	14	14000	2.639	10.33
13-Aug-19	14	14000	2.639	10.56
19-Nov-19	12	12000	2.485	10.83
13-Feb-20	13	13000	2.565	11.07
NMWQCC	10	1000	2.303	

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⁻¹
= slope of the line, y

Solutions

177-04, Nitrate

Enter C_{CL} \Rightarrow 10

Enter C_o \Rightarrow 26

Enter k_{point} \Rightarrow 0.0649

Time to reach cleanup level 14.7 years

First-Order Decay Rate Calculation for Monitored Natural Attenuation

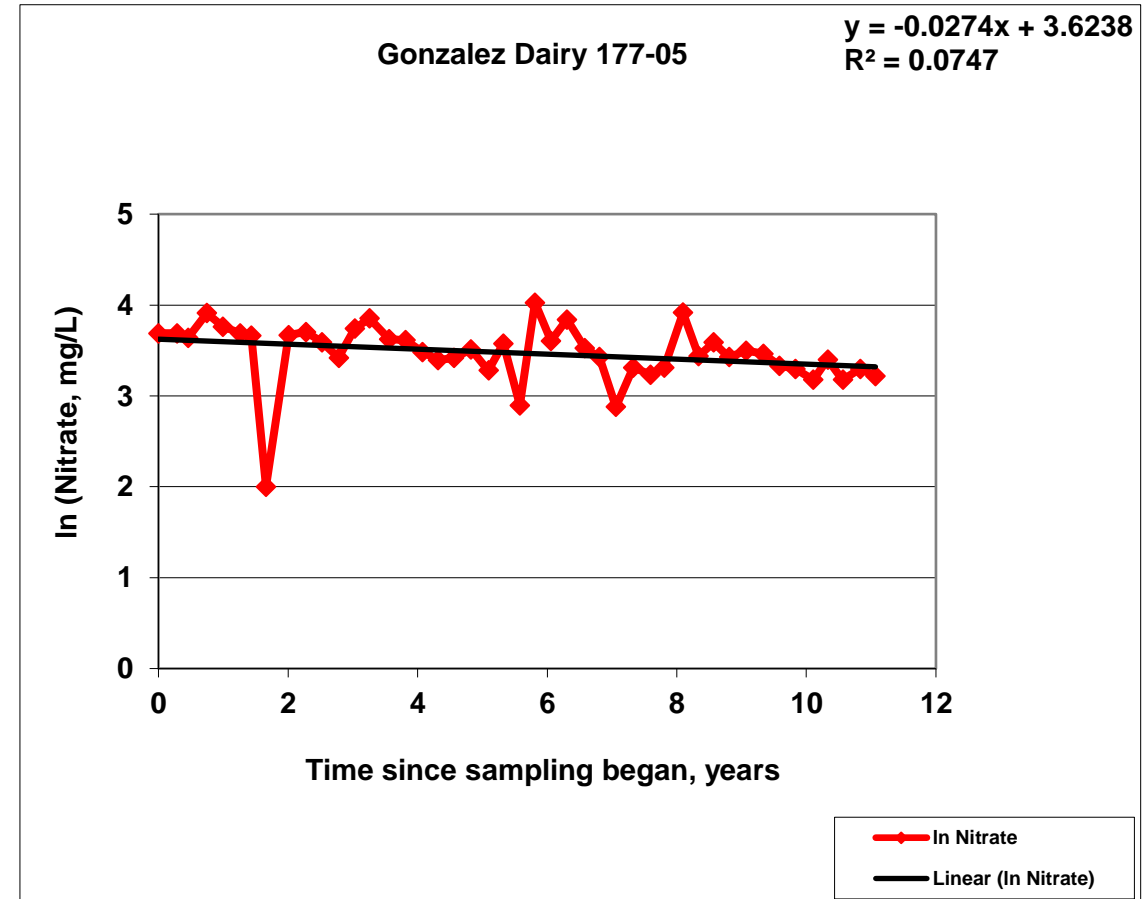
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Monitoring Well: Gonzalez Dairy 177-05

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

Sampling Date	Depth To Water	Nitrate mg/L	Nitrate ug/L	In Nitrate mg/L	Elapsed time since 1/22/09 years
22-Jan-09	33 to 39 feet below top of casing	40	40000	3.689	0.00
6-May-09		40	40000	3.689	0.28
7-Jul-09		38	38000	3.638	0.45
21-Oct-09		50	50000	3.912	0.75
20-Jan-10		43	43000	3.761	0.99
28-Apr-10		40	40000	3.689	1.26
29-Jun-10		39	39000	3.664	1.43
20-Sep-10		7.39	7390	2.000	1.66
25-Jan-11		39.2	39200	3.669	2.01
4-May-11		40.6	40600	3.704	2.28
2-Aug-11		36.3	36300	3.592	2.53
3-Nov-11		30.6	30600	3.421	2.78
2-Feb-12		42.2	42200	3.742	3.03
26-Apr-12		47.1	47100	3.852	3.26
13-Aug-12		37.6	37600	3.627	3.56
13-Nov-12		37.1	37100	3.614	3.81
18-Feb-13		32.6	32600	3.484	4.08
15-May-13		29.8	29800	3.395	4.31
13-Aug-13		30.5	30500	3.418	4.56
18-Nov-13		33.5	33500	3.512	4.82
24-Feb-14	26.6	26600	3.281	5.09	
19-May-14	35.7	35700	3.575	5.32	
19-Aug-14	18.1	18100	2.896	5.58	
13-Nov-14	56.1	56100	4.027	5.81	
11-Feb-15	36.8	36800	3.605	6.06	
13-May-15	46.5	46500	3.839	6.31	
21-Aug-15	34.0	34000	3.526	6.58	
11-Nov-15	30.8	30800	3.428	6.81	
12-Feb-16	17.8	17800	2.879	7.06	
20-May-16	27.4	27400	3.311	7.33	
24-Aug-16	25.4	25400	3.235	7.59	
11-Nov-16	27.4	27400	3.311	7.81	
23-Feb-17	50.2	50200	3.916	8.09	
22-May-17	31.2	31200	3.440	8.33	
15-Aug-17	36.2	36200	3.589	8.57	



10-Nov-17	30.8	30800	3.428	8.81
15-Feb-18	33	33000	3.497	9.07
22-May-18	32	32000	3.466	9.33
21-Aug-18	28	28000	3.332	9.58
20-Nov-18	27	27000	3.296	9.83
27-Feb-19	24	24000	3.178	10.10
20-May-19	30	30000	3.401	10.33
13-Aug-19	24	24000	3.178	10.56
19-Nov-19	27	27000	3.296	10.83
13-Feb-20	25	25000	3.219	11.07
NMWQCC	10	1000	2.303	

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⁻¹

= slope of the line, y

Solutions

177-05, Nitrate

Enter C_{CL} ⇒ 10

Enter C_o ⇒ 40

Enter k_{point} ⇒ 0.0274

Time to reach cleanup level 50.6 years

First-Order Decay Rate Calculation for Monitored Natural Attenuation

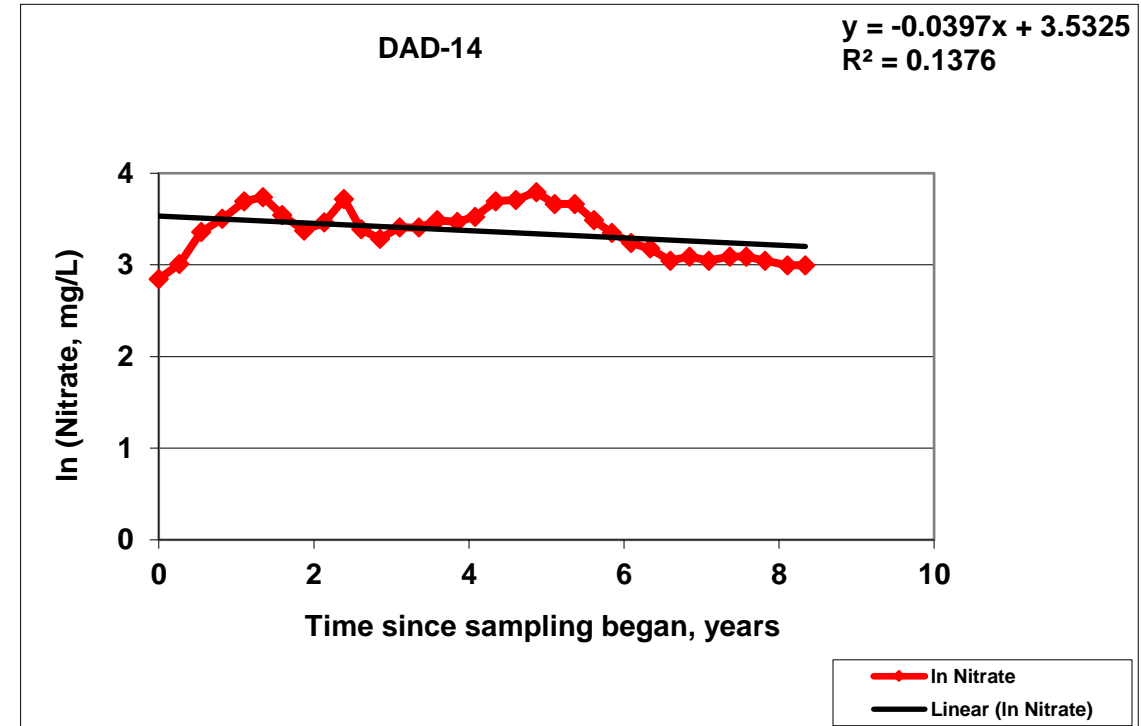
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Abatement Plan Well DAD-14

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

Sampling Date	Depth to Ground Water	Nitrate mg/L	Nitrate ug/L	In Nitrate mg/L	Elapsed time since 10/27/11 years
27-Oct-11	26 to 31 feet below top of casing	17.2	17200	2.845	0.00
1-Feb-12		20.3	20300	3.011	0.27
14-May-12		28.8	28800	3.360	0.55
21-Aug-12		33.2	33200	3.503	0.82
3-Dec-12		40.3	40300	3.696	1.10
1-Mar-13		42.0	42000	3.738	1.35
29-May-13		34.6	34600	3.544	1.59
9-Sep-13		29.2	29200	3.374	1.87
13-Dec-13		31.9	31900	3.463	2.13
17-Mar-14		41.3	41300	3.721	2.39
6-Jun-14		29.6	29600	3.388	2.61
2-Sep-14		26.7	26700	3.285	2.85
4-Dec-14		30.3	30300	3.411	3.11
5-Mar-15		30.2	30200	3.408	3.36
29-May-15		32.7	32700	3.487	3.59
1-Sep-15		32.1	32100	3.469	3.85
24-Nov-15		33.9	33900	3.523	4.08
29-Feb-16		40.2	40200	3.694	4.35
2-Jun-16		40.9	40900	3.711	4.60
8-Sep-16		44.5	44500	3.795	4.87
2-Dec-16		39.0	39000	3.664	5.10
8-Mar-17		39.1	39100	3.666	5.37
6-Jun-17		32.7	32700	3.487	5.61
28-Aug-17		28.5	28500	3.350	5.84
27-Nov-17		25.5	25500	3.239	6.09
26-Feb-18		24	24000	3.178	6.34
31-May-18		21	21000	3.045	6.60
29-Aug-18		22	22000	3.091	6.84
28-Nov-18		21	21000	3.045	7.09
8-Mar-19		22	22000	3.091	7.37
24-May-19	22	22000	3.091	7.58	
20-Aug-19	21	21000	3.045	7.82	
3-Dec-19	20	20000	2.996	8.11	
26-Feb-20	20	20000	2.996	8.34	
NMWQCC		10	1000	2.303	



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⁻¹

= slope of the line, y

Solutions

<u>DAD-14, Nitrate</u>		
Enter C_{CL}	⇒	10
Enter C_o	⇒	17.2
Enter k_{point}	⇒	0.0397
Time to reach cleanup level		13.7 years

First-Order Decay Rate Calculation for Monitored Natural Attenuation

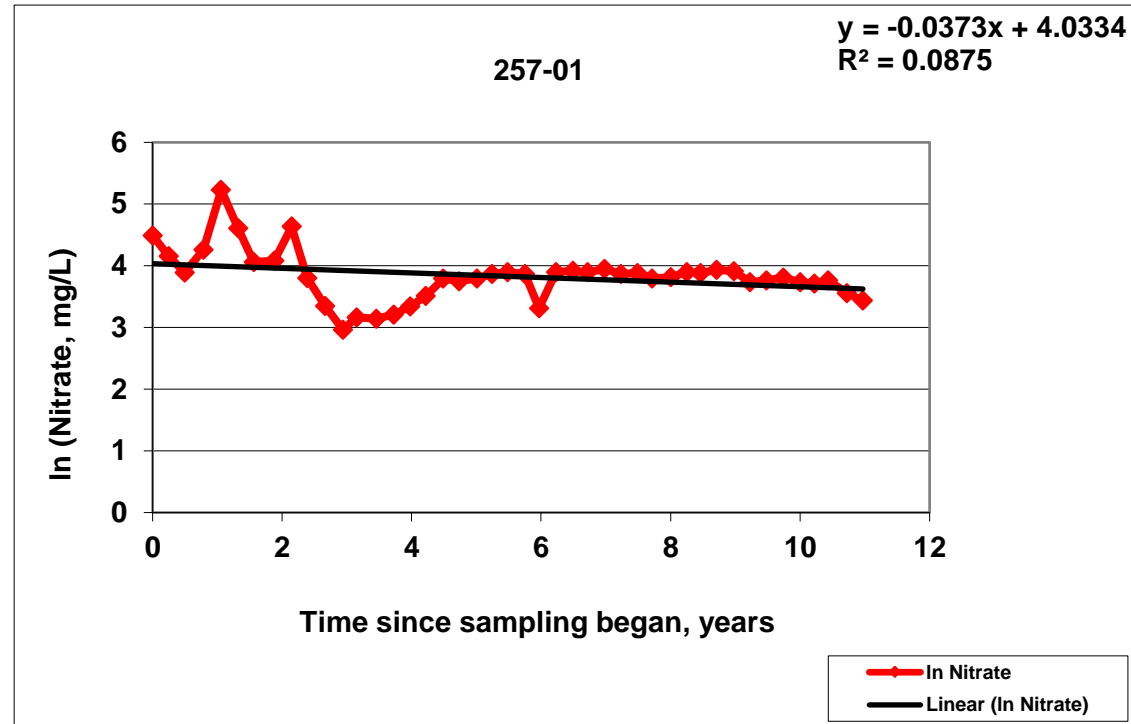
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Sunset/Desert Land Dairy 257-01

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

Sampling Date	Depth to Ground Water	Nitrate mg/L	In Nitrate mg/L	Elapsed time since 3/3/09 years
3-Mar-09	18 to 23 feet below top of casing	89	4.489	0.00
2-Jun-09		64	4.159	0.25
31-Aug-09		49	3.892	0.50
14-Dec-09		71	4.263	0.78
24-Mar-10		187	5.231	1.06
28-Jun-10		100	4.605	1.32
24-Sep-10		58	4.060	1.56
19-Jan-11		59.30	4.083	1.88
26-Apr-11		103.0	4.635	2.15
22-Jul-11		44.8	3.802	2.39
1-Nov-11		28.4	3.346	2.67
9-Feb-12		19.4	2.965	2.94
26-Apr-12		23.7	3.165	3.15
16-Aug-12		23.2	3.144	3.46
21-Nov-12		24.7	3.207	3.72
21-Feb-13		28.3	3.343	3.98
22-May-13		33.6	3.515	4.22
28-Aug-13		44.4	3.793	4.49
25-Nov-13		42.4	3.747	4.73
6-Mar-14		44.3	3.791	5.01
30-May-14		47.9	3.869	5.24
25-Aug-14		49.4	3.900	5.48
1-Dec-14		47.9	3.869	5.75
19-Feb-15		27.5	3.314	5.97
26-May-15		49.4	3.900	6.23
28-Aug-15		50.4	3.920	6.49
19-Nov-15		49.1	3.894	6.72
22-Feb-16		51.9	3.949	6.98
26-May-16		47.7	3.865	7.24
25-Aug-16		48.7	3.886	7.48
16-Nov-16	44.4	3.793	7.71	
2-Mar-17	45.5	3.818	8.00	
31-May-17	49.3	3.898	8.25	
18-Aug-17	48.5	3.882	8.47	
16-Nov-17	51.1	3.934	8.71	
20-Feb-18	50.0	3.912	8.98	
23-May-18	42	3.738	9.23	
23-Aug-18	43	3.761	9.48	
27-Nov-18	45	3.807	9.74	



First-Order Decay Rate Calculation for Monitored Natural Attenuation

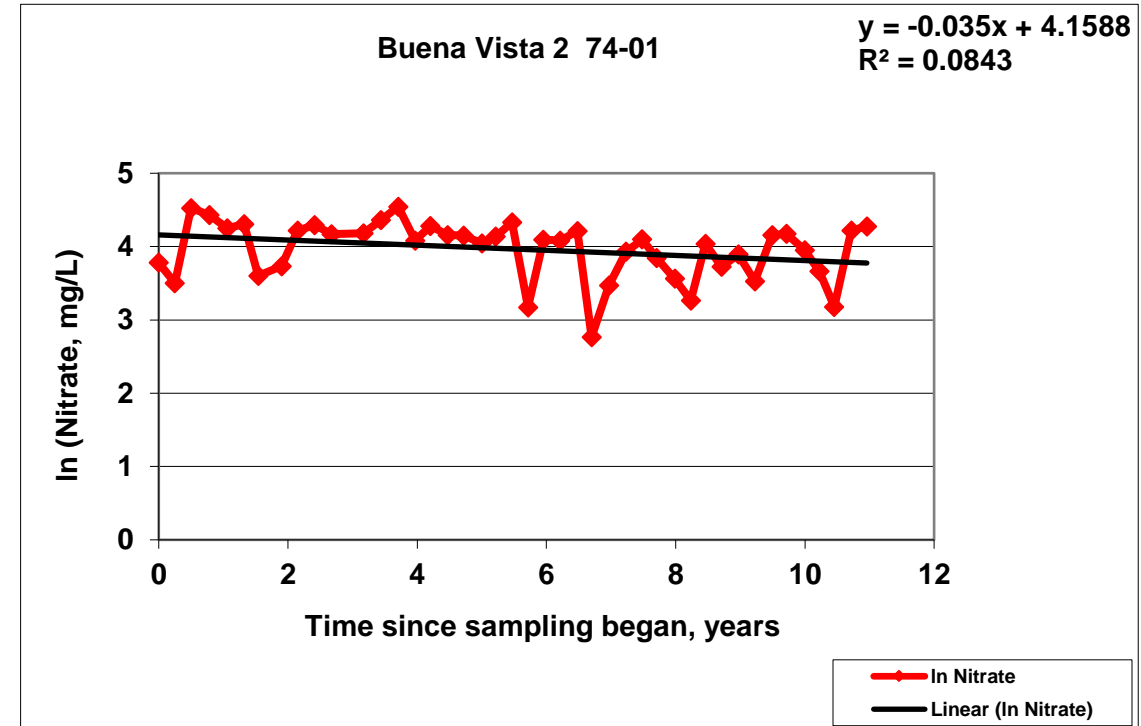
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Monitoring Well: Buena Vista Dairy - 74-01

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

Sampling Date	Depth to Ground Water	Nitrate mg/L	Nitrate ug/L	In Nitrate mg/L	Elapsed time since 3/3/09 years
3-Mar-09	31 to 37 feet below top of casing	43.8	43800	3.780	0.00
2-Jun-09		33.2	33200	3.503	0.25
1-Sep-09		92	92000	4.522	0.50
14-Dec-09		84	84000	4.431	0.78
24-Mar-10		70	70000	4.248	1.06
29-Jun-10		74	74000	4.304	1.32
17-Sep-10		36.7	36700	3.603	1.54
25-Jan-11		41.7	41700	3.731	1.90
26-Apr-11		67.8	67800	4.217	2.15
1-Aug-11		73.2	73200	4.293	2.41
3-Nov-11		64.6	64600	4.168	2.67
3-May-12		65.3	65300	4.179	3.17
10-Aug-12		78.6	78600	4.364	3.44
14-Nov-12		94.2	94200	4.545	3.70
19-Feb-13		59.1	59100	4.079	3.97
16-May-13		72.3	72300	4.281	4.21
21-Aug-13		63.9	63900	4.157	4.47
19-Nov-13		63.6	63600	4.153	4.72
3-Mar-14		57.2	57200	4.047	5.00
20-May-14		62.6	62600	4.137	5.22
20-Aug-14		76.2	76200	4.333	5.47
19-Nov-14		23.9	23900	3.174	5.72
13-Feb-15		59.9	59900	4.093	5.95
19-May-15		59.2	59200	4.081	6.21
24-Aug-15		67.4	67400	4.211	6.48
12-Nov-15		15.9	15900	2.766	6.70
18-Feb-16		32.1	32100	3.469	6.97
25-May-16		51.1	51100	3.934	7.23
24-Aug-16	60.2	60200	4.098	7.48	
14-Nov-16	46.8	46800	3.846	7.71	
24-Feb-17	35.2	35200	3.561	7.99	
26-May-17	26.2	26200	3.266	8.24	
16-Aug-17	56.7	56700	4.038	8.46	
14-Nov-17	41.5	41500	3.726	8.71	
19-Feb-18	49	49000	3.892	8.97	
23-May-18	34	34000	3.526	9.23	
29-Aug-18	64	64000	4.159	9.50	



16-Nov-18	65	65000	4.174	9.71
28-Feb-19	52	52000	3.951	10.00
21-May-19	39	39000	3.664	10.22
14-Aug-19	24	24000	3.178	10.45
19-Nov-19	68	68000	4.220	10.72
14-Feb-20	72	72000	4.277	10.96
NMWQCC	10	1000	2.303	

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⁻¹
= slope of the line, y

Solutions

74-01, Nitrate		
Enter C _{CL}	⇒	10
Enter C _o	⇒	43.8
Enter k _{point}	⇒	0.035
Time to reach cleanup level		42.2 years

First-Order Decay Rate Calculation for Monitored Natural Attenuation

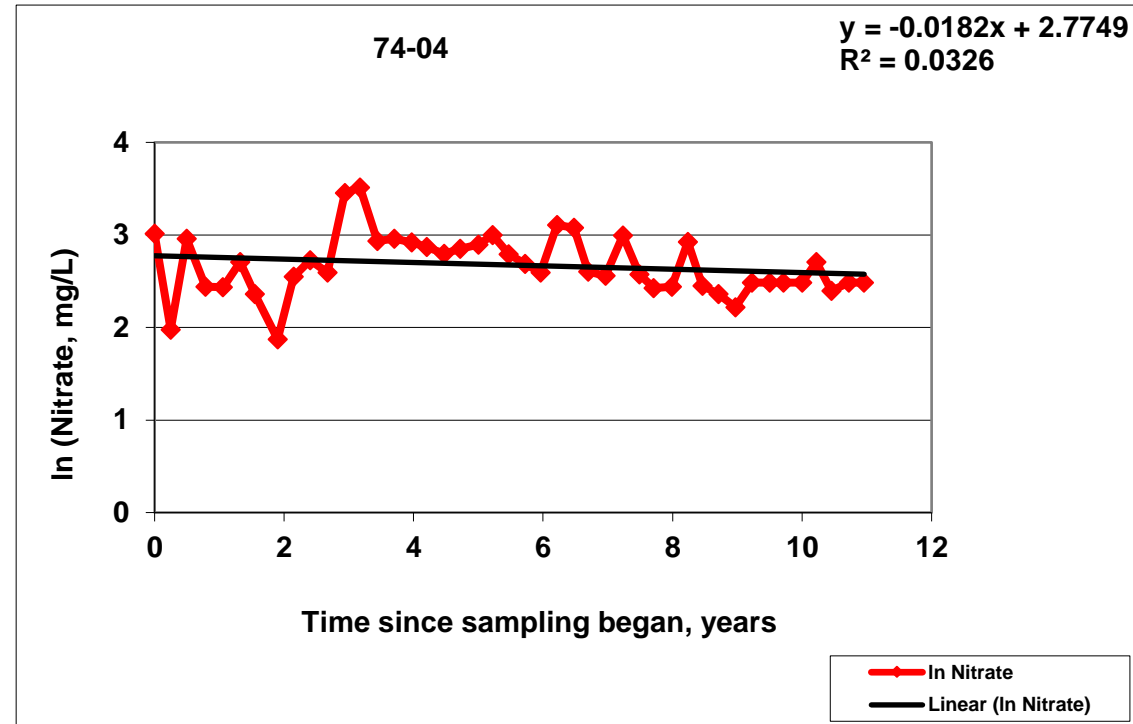
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Buena Vista Dairy II 74-04

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

Sampling Date	Depth to Ground Water	Nitrate mg/L	In Nitrate mg/L	Elapsed time since 3/3/09 years
3-Mar-09	43 to 49 feet below top of casing	20.3	3.011	0.00
2-Jun-09		7.2	1.974	0.25
1-Sep-09		19.3	2.960	0.50
14-Dec-09		11.5	2.442	0.78
24-Mar-10		11.4	2.434	1.06
29-Jun-10		15	2.708	1.32
20-Sep-10		10.6	2.361	1.55
25-Jan-11		6.50	1.872	1.90
26-Apr-11		12.8	2.549	2.15
29-Jul-11		15.3	2.728	2.41
3-Nov-11		13.4	2.595	2.67
8-Feb-12		31.6	3.453	2.94
3-May-12		33.6	3.515	3.17
10-Aug-12		18.8	2.934	3.44
14-Nov-12		19.3	2.960	3.70
20-Feb-13		18.5	2.918	3.97
16-May-13		17.6	2.868	4.21
22-Aug-13		16.4	2.797	4.47
19-Nov-13		17.3	2.851	4.72
3-Mar-14		18.1	2.896	5.00
21-May-14		20.1	3.001	5.22
21-Aug-14		16.3	2.791	5.47
20-Nov-14		14.7	2.688	5.72
16-Feb-15		13.4	2.595	5.96
20-May-15		22.4	3.109	6.22
24-Aug-15		21.7	3.077	6.48
12-Nov-15		13.5	2.603	6.70
18-Feb-16		12.9	2.557	6.97
25-May-16		20.0	2.996	7.23
25-Aug-16		13.1	2.573	7.48
15-Nov-16		11.3	2.425	7.71
24-Feb-17	11.5	2.442	7.99	
26-May-17	18.6	2.923	8.24	
16-Aug-17	11.6	2.451	8.46	
14-Nov-17	10.6	2.361	8.71	
19-Feb-18	9.2	2.219	8.97	
23-May-18	12	2.485	9.23	
31-Aug-18	12	2.485	9.50	
16-Nov-18	12	2.485	9.71	



1-Mar-19		12	2.485	10.00
21-May-19		15	2.708	10.22
14-Aug-19		11	2.398	10.45
20-Nov-19		12	2.485	10.72
14-Feb-20		12	2.485	10.96
NMWQCC		10	2.303	

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⁻¹
= slope of the line, y

Solutions

DAD-26, Nitrate

Enter C_{CL} ⇒ 10

Enter C_o ⇒ 20.3

Enter k_{point} ⇒ 0.0182

Time to reach cleanup level 38.9 years

First-Order Decay Rate Calculation for Monitored Natural Attenuation

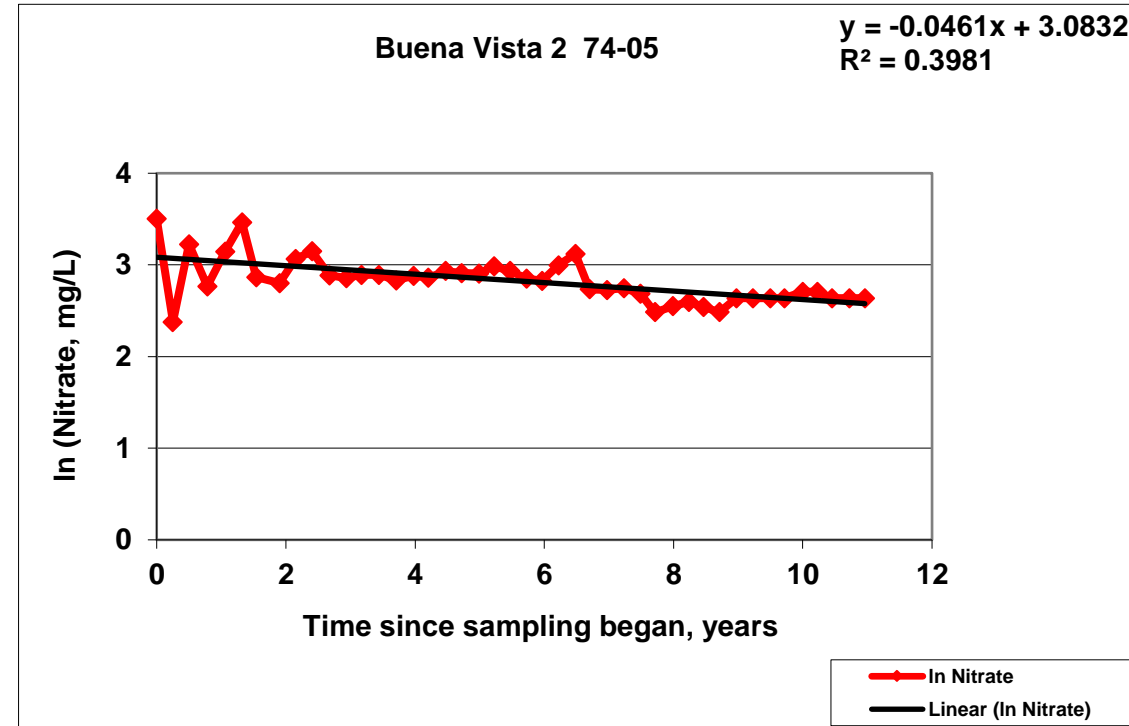
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Monitoring Well: Buena Vista Dairy - 74-05

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

Sampling Date	Depth to Ground Water	Nitrate mg/L	In Nitrate mg/L	Elapsed time since 3/3/09 years
3-Mar-09	36 to 42 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
21-May-19	15	2.708	10.22
13-Aug-19	14	2.639	10.45
20-Nov-19	14	2.639	10.72
14-Feb-20	14	2.639	10.96
NMWQCC	10	2.303	

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⁻¹

= slope of the line, y

Solutions

74-01, Nitrate

Enter C_{CL} ⇒ 10

Enter C_o ⇒ 33.2

Enter k_{point} ⇒ 0.0461

Time to reach cleanup level 26.0 years

First-Order Decay Rate Calculation for Monitored Natural Attenuation

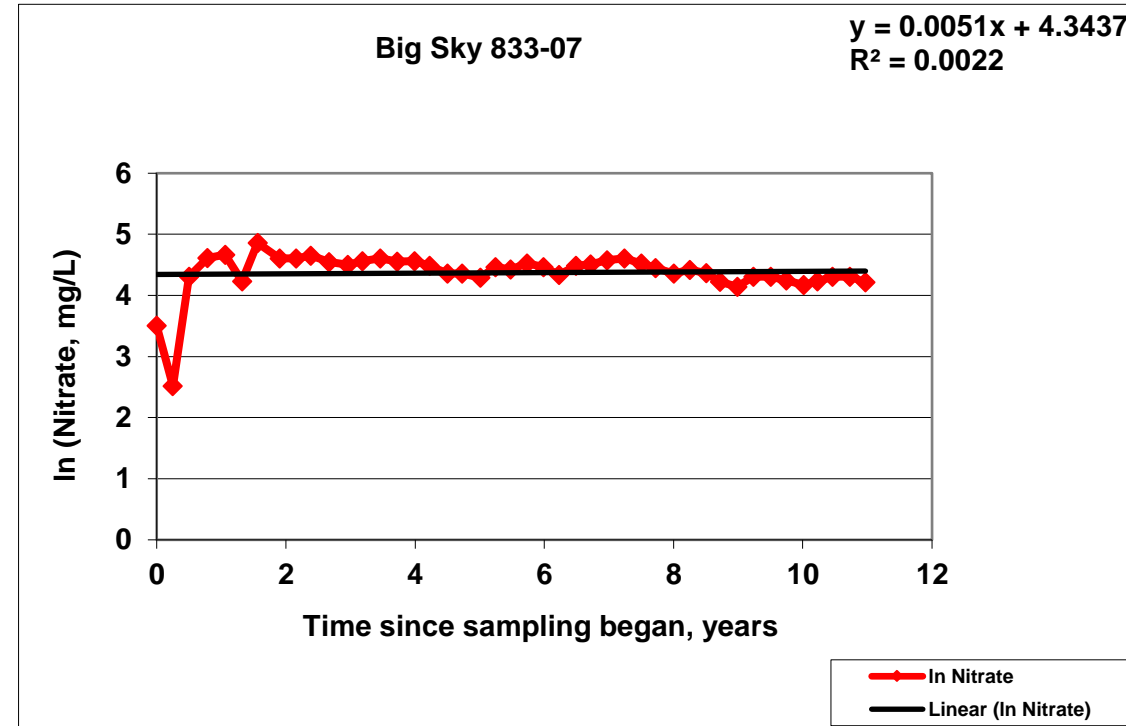
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Big Sky Dairy - 833-07

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

Sampling Date	Depth to Ground Water	Nitrate mg/L	In Nitrate mg/L	Elapsed time since 3/2/09 years
2-Mar-09	56 to 62 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
22-May-19	69	4.234	10.23
15-Aug-19	74	4.304	10.46
20-Nov-19	74	4.304	10.73
17-Feb-20	68	4.220	10.97
NMWQCC	10	2.303	

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⁻¹

= 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

First-Order Decay Rate Calculation for Monitored Natural Attenuation

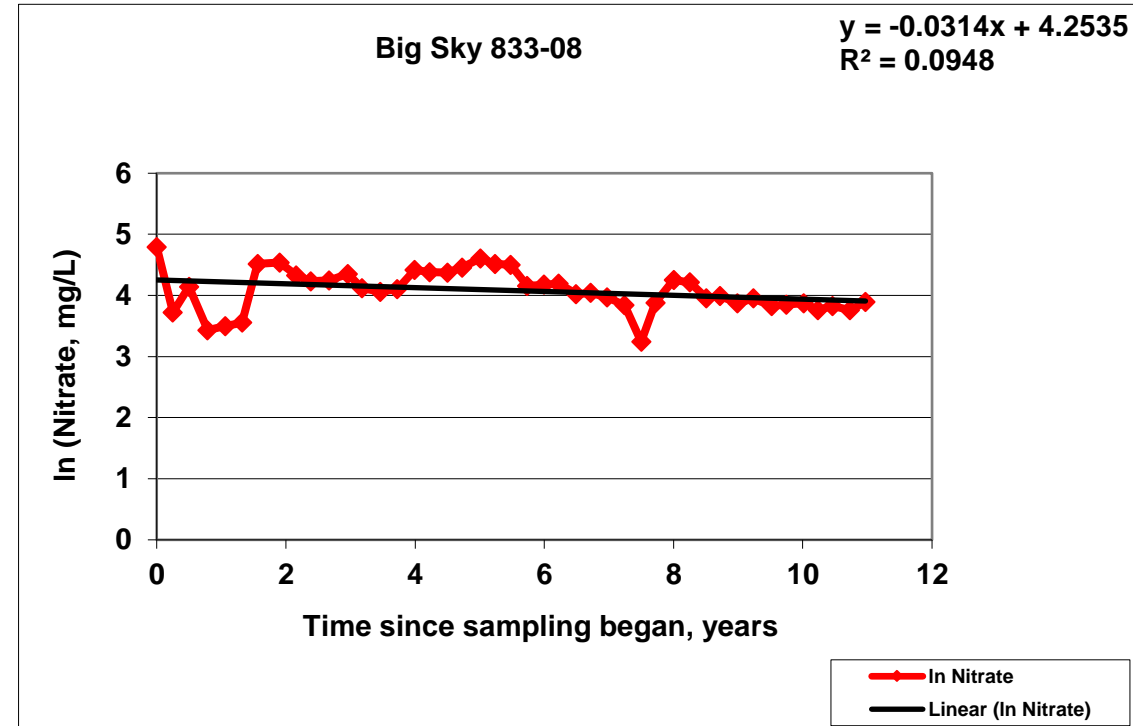
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Big Sky Dairy - 833-08

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

Sampling Date	Depth to Ground Water	Nitrate mg/L	In Nitrate mg/L	Elapsed time since 3/2/09 years
2-Mar-09	56 to 62 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
23-May-19	43	3.761	10.23
14-Aug-19	46	3.829	10.46
20-Nov-19	43	3.761	10.73
17-Feb-20	49	3.892	10.97
NMWQCC	10	2.303	

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⁻¹

= slope of the line, y

Solutions

833-08, Nitrate

Enter C_{CL} ⇒ 10

Enter C_o ⇒ 121

Enter k_{point} ⇒ 0.0314

Time to reach cleanup level 79.4 years

First-Order Decay Rate Calculation for Monitored Natural Attenuation

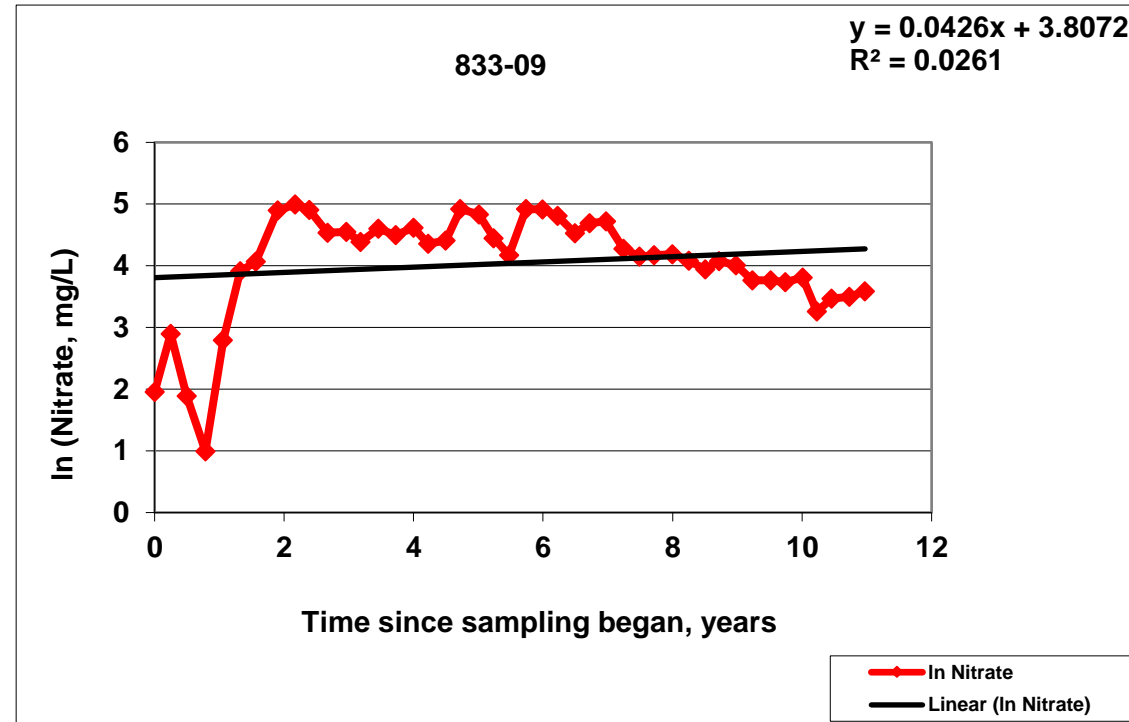
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Big Sky Dairy 833-09

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

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 29 feet below top of casing	7.07	1.956	0.00
1-Jun-09		18.10	2.896	0.25
31-Aug-09		6.6	1.887	0.50
14-Dec-09		2.7	0.993	0.79
23-Mar-10		16.3	2.791	1.06
28-Jun-10		50	3.912	1.32
24-Sep-10		58.2	4.064	1.56
25-Jan-11		134	4.898	1.90
4-May-11		147	4.990	2.17
21-Jul-11		135	4.905	2.39
1-Nov-11		93.0	4.533	2.67
15-Feb-12		94.8	4.552	2.96
7-May-12		80.4	4.387	3.18
15-Aug-12		99.3	4.598	3.46
20-Nov-12		89.6	4.495	3.72
28-Feb-13		101	4.615	4.00
22-May-13		78.1	4.358	4.22
29-Aug-13		82.2	4.409	4.50
20-Nov-13		137	4.920	4.72
5-Mar-14		125	4.828	5.01
27-May-14		85.0	4.443	5.24
22-Aug-14		64.9	4.173	5.48
25-Nov-14		137	4.920	5.74
25-Feb-15		136	4.913	5.99
21-May-15		123	4.812	6.22
27-Aug-15		92.6	4.528	6.49
18-Nov-15		109	4.691	6.72
19-Feb-16		112	4.718	6.97
26-May-16		71.8	4.274	7.24
26-Aug-16		63.3	4.148	7.49
17-Nov-16		64.9	4.173	7.72
28-Feb-17	65.6	4.184	8.00	
30-May-17	59.2	4.081	8.25	
31-Aug-17	51.5	3.942	8.50	
16-Nov-17	59.0	4.078	8.72	
21-Feb-18	55	4.007	8.98	
24-May-18	43	3.761	9.23	
4-Sep-18	43	3.761	9.52	
26-Nov-18	42	3.738	9.74	



4-Mar-19	45	3.807	10.01
22-May-19	26	3.258	10.23
14-Aug-19	32	3.466	10.46
21-Nov-19	33	3.497	10.73
18-Feb-20	36	3.584	10.97
NMWQCC	10	2.303	

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⁻¹
= slope of the line, y

Note: Analysis not valid; indicated increasing trend.

Solutions

DAD-26, Nitrate

Enter C_{CL} ⇒ 10

Enter C_o ⇒ 7.07

Enter k_{point} ⇒

Time to reach cleanup level #DIV/0! years

First-Order Decay Rate Calculation for Monitored Natural Attenuation

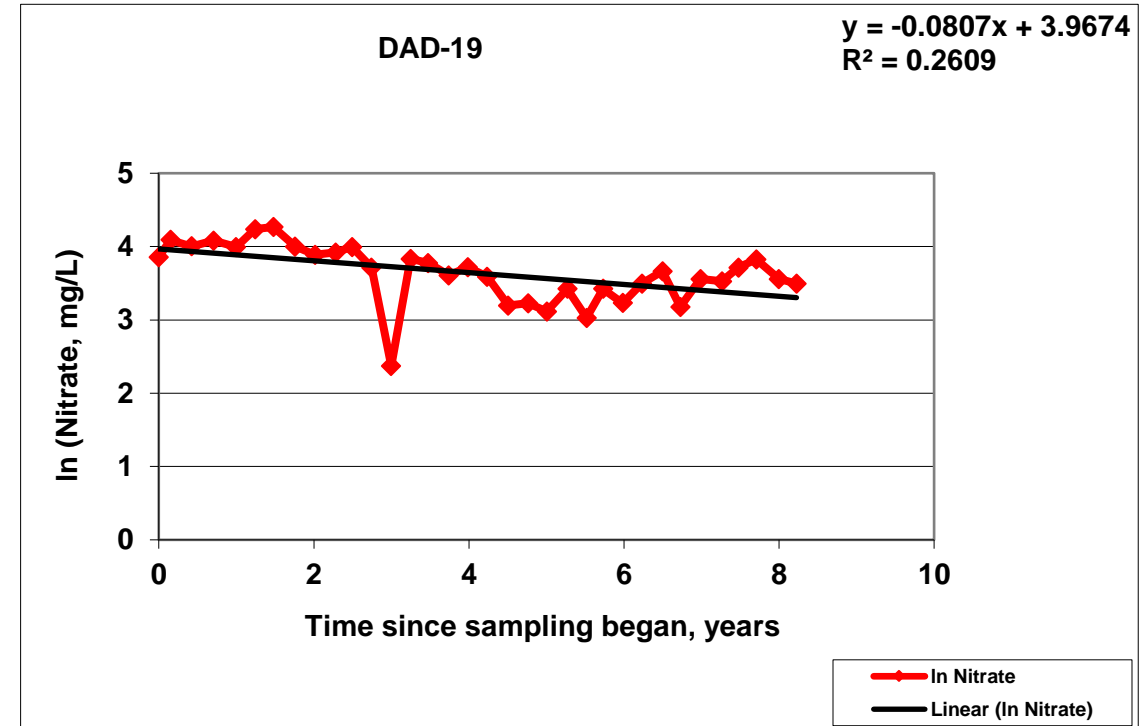
Facility Name: Dona Ana Dairies

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):

Sampling Date	Depth to Ground Water	Nitrate mg/L	Nitrate ug/L	In Nitrate mg/L	Elapsed time since 12/7/11 years
7-Dec-11	62 to 65 feet below top of casing	47.4	47400	3.859	0.00
1-Feb-12		59.8	59800	4.091	0.15
10-May-12		54.8	54800	4.004	0.42
21-Aug-12		59.2	59200	4.081	0.71
5-Dec-12		54.2	54200	3.993	1.00
4-Mar-13		69.1	69100	4.236	1.24
30-May-13		71.3	71300	4.267	1.48
9-Sep-13		54.6	54600	4.000	1.76
12-Dec-13		48.9	48900	3.890	2.02
18-Mar-14		50.3	50300	3.918	2.28
4-Jun-14		54.3	54300	3.995	2.49
3-Sep-14		41.0	41000	3.714	2.74
5-Dec-14		10.7	10700	2.370	3.00
6-Mar-15		46.2	46200	3.833	3.25
28-May-15		43.6	43600	3.775	3.47
2-Sep-15		36.9	36900	3.608	3.74
30-Nov-15		41.2	41200	3.718	3.98
1-Mar-16		36.3	36300	3.592	4.24
8-Jun-16		24.5	24500	3.199	4.51
9-Sep-16		25.2	25200	3.227	4.76
6-Dec-16		22.5	22500	3.114	5.00
13-Mar-17		30.7	30700	3.424	5.27
12-Jun-17		20.7	20700	3.030	5.52
29-Aug-17		30.7	30700	3.424	5.73
29-Nov-17		25.3	25300	3.231	5.98
28-Feb-18		33	33000	3.497	6.23
4-Jun-18		39	39000	3.664	6.50
28-Aug-18		24	24000	3.178	6.73
30-Nov-18		35	35000	3.555	6.99
11-Mar-19		34	34000	3.526	7.26
28-May-19	41	41000	3.714	7.48	
20-Aug-19	46	46000	3.829	7.71	
4-Dec-19	35	35000	3.555	8.00	
25-Feb-20	33	33000	3.497	8.22	
NMWQCC		10	1000	2.303	



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⁻¹

= slope of the line, y

Solutions

<u>DAD-19, Nitrate</u>		
Enter C_{CL}	⇒	10
Enter C_o	⇒	47.4
Enter k_{point}	⇒	0.0807
Time to reach cleanup level		19.3 years

First-Order Decay Rate Calculation for Monitored Natural Attenuation

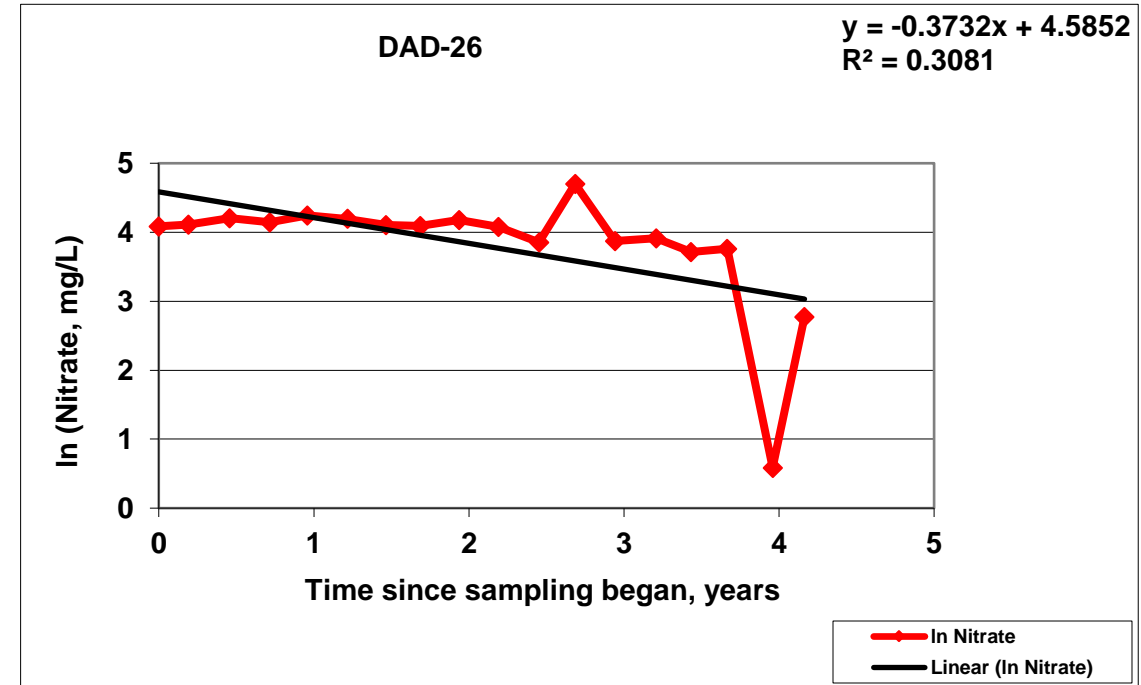
Facility Name: Dona Ana Dairies

Facility Location and Address: Dona Ana County, New Mexico

Abatement Plan Well DAD-26

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

Sampling Date	Depth to Ground Water	Nitrate mg/L	Nitrate ug/L	In Nitrate mg/L	Elapsed time since 12/22/15 years
22-Dec-15	47 to 51 feet below top of casing	59.6	59600	4.088	0.00
1-Mar-16		61.1	61100	4.113	0.19
6-Jun-16		67.0	67000	4.205	0.46
8-Sep-16		63.2	63200	4.146	0.72
6-Dec-16		69.6	69600	4.243	0.96
10-Mar-17		66.3	66300	4.194	1.22
9-Jun-17		60.5	60500	4.103	1.47
28-Aug-17		59.8	59800	4.091	1.68
28-Nov-17		65.1	65100	4.176	1.94
28-Feb-18		59	59000	4.078	2.19
4-Jun-18		47	47000	3.850	2.45
28-Aug-18		110	110000	4.700	2.68
30-Nov-18		48	48000	3.871	2.94
7-Mar-19		50	50000	3.912	3.21
28-May-19		41	41000	3.714	3.43
21-Aug-19		43	43000	3.761	3.67
6-Dec-19		1.8	1800	0.588	3.96
19-Feb-20	16	16000	2.773	4.16	
NMWQCC		10	1000	2.303	



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⁻¹

= slope of the line, y

Solutions

DAD-26, Nitrate		
Enter C _{CL}	⇒	10
Enter C _o	⇒	59.6
Enter k _{point}	⇒	0.3732
Time to reach cleanup level		4.8 years