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July 26, 2016

Ms. Nancy McDuffie
New Mexico Environment Department
Ground Water Quality Bureau
Remediation Oversight Section
121 Tijeras Avenue NE, Suite 1000
Albuquerque, NM 87102-3421

Dear Ms. McDuffie:

On behalf of Doña Ana Dairies, Inc., EA Engineering, Science, and Technology, Inc., PBC is submitting this Stage 2 Implementation and Quarterly Groundwater Monitoring Report for Doña Ana Dairies located in Mesquite, Vado, and Anthony, New Mexico. The report discusses the quarterly 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,

Teri McMillan
Project Manager

Jay Snyder
Senior Hydrogeologist

Enclosure

Cc: Linda Armstrong, Doña Ana Dairies
File

STAGE 2 IMPLEMENTATION AND QUARTERLY 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

July 2016

EA Project No. 1464103.0013

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Teri McMillan
Project Manager

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Jay Snyder
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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 Stage 2 Implementation and 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, 6.2 §4106 through §4110. 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 to by NMED, Doña Ana Dairies, and the Rio Valle Concerned Citizens. On April 10, 2015, the Stage 2 Abatement Plan was approved by NMED by Final Order.

1.1 Objective

The objectives of this report are to comply with the Stage 2 Abatement Plan and the Stipulated Agreement and to satisfy the requirements set forth in NMAC 20.6.2 §4110.

The following work was performed to meet the objective of the Stage 2 Abatement Plan and the Stipulated Agreement:

- Installed four monitoring wells, DAD-23 through DAD-26.
- Plugged and abandoned Del Oro Dairy discharge plan (DP) well 692-01.
- Completed baseline compound specific isotope analysis (CSIA) for nitrogen-14 and nitrogen-15 ($^{15}N/^{14}N$ [$\delta^{15}N$]) from 15 select wells and total organic carbon (TOC) from 16 select wells.
- Recalculated background concentrations for chloride and total dissolved solids (TDS) for the northern portion.
- Completed baseline geostatistics and updated trend analysis.
- Completed analytical capture analysis of the irrigation and supply wells.
- Gauged DP, abatement plan (AP) and Anthony Waste Water Treatment Plant monitoring wells.
- Collected groundwater samples from AP and DP monitoring wells that contained sufficient water to sample. The samples were analyzed for nitrate, chloride, total Kjeldhal nitrogen (TKN), and samples from select wells were analyzed for sulfate. During sampling, field parameters were monitored and recorded.

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 NMAC 6.2 §3103). 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).

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 groundwater flow direction and plume delineation. The agreed upon data gaps yielded new well locations (including contingency locations) as 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 (EA 2009).

On February 9, 2012 the Final Site Investigation Report was submitted to NMED (EA 2012a). 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 (EA 2012b).

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

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 (NMED, Doña Ana Dairies, and Rio Valle Concerned Citizens 2015). On April 10, 2015 the Stage 2 Abatement Plan was approved by NMED by Final Order (NMED 2015).

2.0 WELL INSTALLATION AND PLUGGING ACTIVITIES

Site investigation activities included the installation of four new DAD wells (DAD-23 through DAD-26), and collection of groundwater samples from all new DAD wells. All field activities followed the Sampling and Analysis Plan for Dona Ana Dairies dated August 8, 2008 (Golder 2008d). Field forms are provided in Appendix A.

2.1 Preliminary Investigation Activities

Prior to performing any field activities, access was obtained for off-site well locations and notice was provided to the NMED Ground Water Quality Bureau (GWQB). Access was needed for wells DAD-23 and DAD-26. Well DAD-23 is located on property owned by the City of Anthony, New Mexico, and well DAD-26 is located on property owned by Doña Ana County. Access was obtained from both the City of Anthony, and from Doña Ana County.

One well location, DAD-23, was relocated relative to the proposed location. The well was relocated at the request of Doña Ana County from La Fe Avenue to Cristo Avenue. NMED approved the relocation of well via email on December 9, 2015.

EA prepared a site-specific health and safety plan, which is included in Appendix B. On December 1, 2015, EA provided notice of impending field activities to the NMED GWQB project manager, Mr. Ray Montes.

2.2 Boring Installation and Site Geology

On December 14 through 18, 2015, 3 soil borings were advanced at the site and converted into monitoring wells DAD-23, DAD-25, and DAD-26. On December 21, 2015, an attempt was made to install soil boring DAD-24; however, the boring was not installed due to equipment failure. On February 3 and 4, 2016, boring DAD-24 was successfully advanced and converted

into a vertical delineation well. Locations of the newly installed wells are shown on Figures 2, 3, 4, and 5.

Borings DAD-23, DAD-25, and DAD-26 were advanced using the hollow stem auger drilling method. Vertical delineation well DAD-24 was advanced using the mud rotary drilling method to approximately 130 feet below the ground surface (bgs).

During drilling activities, the site geologist logged soil samples every five feet using the Unified Soil Classification System. Soil samples were retrieved using a decontaminated split spoon sampling device during hollow stem auger drilling and from cuttings during mud rotary drilling. Lithology was recorded on boring log forms. The boring logs are included in Appendix C.

The subsurface lithology present in the northern and central portions was similar and corresponded to lithology encountered during previous investigations. The subsurface lithology present within the northern and central portions during this investigation consisted predominantly of sand. The sand is brown in color, very fine to medium grained, and poorly graded or well graded. The sand may have up to 5 percent gravel. Intervals of well graded gravels were present in many of the borings as well as either brown sandy clay or clayey sand.

The southern portion (Del Oro Dairy) subsurface lithology consists predominantly of sand and gravel from the surface to approximately 70 feet bgs where a 2 to 10 foot thick clay interval is present. Below the clay is a silty to fine grained sand. Groundwater was present in the southern portion in what appears to be two distinct intervals: a perched zone present above the clay layer and a deeper zone (regional aquifer) present below the clay layer. There is approximately a 7 to 10 foot difference in the water table elevation between wells completed in the perched aquifer and those completed in the regional aquifer. The clay layer appears to dip toward the west-southwest and thin toward the north. The lateral extent of the clay aquitard is unknown. Boring DAD-26 was installed in the perched aquifer and the lithology encountered was similar to what was observed during previous investigations.

2.3 Monitoring Well Installation

From December 14 through 17, 2015 and February 3 and 4, 2016, four monitoring wells (DAD-23 through DAD-26) were installed at the site. One water table monitoring well (DAD-23) was installed within the northern portion in the Del Cerro neighborhood, south of Gonzalez Dairy. One water table monitoring well (DAD-25) and one vertical delineation well (DAD-24) were installed within the central portion at Big Sky Dairy. One water table monitoring well (DAD-26) was installed within the southern portion south-southwest of Del Oro Dairy. Figures 2, 3, 4, and 5 show the locations of the new wells.

The water table monitoring wells were constructed with 2-inch Schedule 40 polyvinyl chloride (PVC), flush thread-jointed casing, and 20 feet of Schedule 40 PVC 0.010-inch machine-slotted screen. One exception, well DAD-26, was completed with 15 feet of Schedule 40 PVC 0.010-inch machine-slotted screen. Filter pack consisting of 12-20 mesh silica sand was placed from the bottom of the borehole to at least 2 feet above the screen interval, followed by a 3- to 4-

foot hydrated bentonite seal, and finally cement-bentonite grout to the surface. However, well DAD-25 was completed with a hydrated bentonite seal to the surface and no grout.

The vertical delineation well (DAD-24) was constructed with 2-inch Schedule 40 polyvinyl chloride (PVC), flush thread-jointed casing, and 5 feet of Schedule 40 PVC 0.010-inch machine-slotted prepack screen (screen and 10-20 mesh silica sand filter pack combined). The screen was placed approximately 60 feet below the top of the water table. Filter pack consisting of 12-20 mesh silica sand was placed from the bottom of the borehole to at least 2 feet above the screen interval, followed by bentonite seal (TR-30 time release bentonite in saturated interval) to the surface.

DAD-23 and DAD-26 were completed with well vaults flush with the ground surface set in 2-foot by 2-foot by 4-inch thick concrete pads. Wells DAD-24 and DAD-25 were completed with above-grade steel locking shroud with 2-foot stick up placed in 2-foot by 2-foot by 4-inch thick concrete pads. Four 4-inch carbon steel bollards were placed around each well head to protect the monitoring wells. Soil boring/well completion diagrams are included in Appendix C. Photographic documentation of the well completions is provided in Appendix D.

2.4 Well Development

Groundwater monitoring wells DAD-23 and DAD-26 were developed no earlier than 24 hours after the wells were completed. Wells DAD-24 and DAD-25 were developed within 24 hours of being completed because grout was not used in their construction. Water levels and total depths were gauged in the wells with an electronic water level indicator. Development was accomplished with the use of a submersible pump or by hand bailing. The pump or bailer was used to surge and clean the filter pack of any fines. Wells were purged until the well yielded clear water to extent practicable. Development water was ground discharged.

2.4 Well Plugging and Abandonment

On December 22, 2015, EA and Terracon plugged and abandoned Del Oro Dairy well 692-01R by removing the surface completion and approximately 50 feet of well casing. Then neat cement was pumped via tremie pipe from the total depth to approximately two-feet below ground surface pursuant of the New Mexico Office of the State Engineer. Photographic documentation of the plugging & abandonment is provided in Appendix D. The Office of the State Engineer Plugging Record is included in Appendix E.

2.5 Surveying

The new AP monitoring wells were surveyed by Christian A. Clausen, a New Mexico Licensed Surveyor. All well locations were surveyed using United States State Plane Coordinates, North American Datum of 1983. Elevations are based on the North America Vertical Datum of 1988. Wells were located to within 0.01 foot horizontal and 0.01 foot vertical. The survey results are attached in Appendix F.

3.0 GROUNDWATER MONITORING ACTIVITIES

Groundwater monitoring activities conducted by D&H Petroleum and Environmental Services (D&H) included gauging and sampling DP and AP monitoring wells and the collection of groundwater samples from dairy supply and irrigation wells. Groundwater samples were analyzed for nitrate, chloride, TDS, and TKN. Select irrigation wells were sampled for sulfate also. Select wells were sampled for CSIA and TOC. The resulting data from this groundwater monitoring event are compiled and presented herein. Field forms are provided in Appendix A.

3.1 Well Gauging

From February 9 through February 11, 2016, representatives from D&H gauged the DP and AP monitoring wells with an electronic water level indicator. A broken well casing prevented the gauging of groundwater elevation at Sunset Dairy well 257/260-01. Due to a declining water table, several wells were dry or contained insufficient water for sampling. Table 1 provides a summary of the groundwater gauging data collected from the monitoring network. Potentiometric surface maps were constructed based on these data (Figures 2, 3, 4, and 5).

3.2 Groundwater Sampling

From February 25 through March 1, 2016, D&H sampled the AP monitoring wells DAD-01 through DAD-26 with disposable bailers with the exception of well DAD-06, which was dry. Three well casing volumes were purged unless the well contained insufficient water.

D&H sampled the DP wells from February 15 through February 24, 2016. Prior to sampling, the DP wells were purged of three casing well volumes, if practicable, by (1) hand-bailing with new disposable bailers and twine, (2) pumping with a submersible pump and new polyethylene tubing, or (3) pumping with a dedicated pump and tubing.

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

When sufficient water was available, field parameters were recorded from DP and AP monitoring wells. The recorded field parameters included specific conductance, pH, temperature, ORP, and dissolved oxygen. Parameters were monitored using a YSI 556 MPS and recorded. Field parameters from August 2015 to present are summarized in Table 2.

All groundwater samples were collected immediately after purging. Sampling was either accomplished by carefully pouring groundwater from the bailer into the sample containers or by pumping groundwater through polyethylene tubing into the sample container. Method of sample collection is documented on the field forms (Appendix A). Sample containers were provided by TraceAnalysis. 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 TraceAnalysis in El Paso, Texas. All analytical laboratory reports are provided in Appendix G.

3.3 CSIA and TOC Groundwater Sampling

Sixteen wells selected by NMED and EA were sampled for CSIA and TOC. On December 15 through 17, 2015, EA collected groundwater samples from DP wells 70-02, 177-05, 177-07R, 167-04, 167-07, 833-02, 833-09, 257-01, 257-02, and 692-02 and from AP wells DAD-09 and DAD-14. On December 21, 2015, D&H collected groundwater samples from DP well 42-03 and AP wells DAD-23 and DAD-25, and D&H collected a groundwater sample from DP well 42-06 on March 15, 2016.

All wells were sample utilizing low-flow sampling methodology with a decontaminated submersible pump and new disposable tubing except wells 42-03 and 42-06. Wells 42-03 and 42-06 were sample utilizing the dedicated pumps installed in the wells. All non-dedicated equipment was decontaminated between wells with an Alconox™ solution to further ensure sample quality. Field parameters including, at a minimum, specific conductance, pH, and temperature were monitored and recorded. All meters were calibrated and/or checked with standards in accordance with manufacturer's specifications prior to daily use. Purge water was ground discharged.

All groundwater samples were collected immediately after purging. Sampling was accomplished by pumping groundwater through disposable polyethylene tubing or dedicated piping into the laboratory supplied sample container. 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 the laboratory. All analytical laboratory reports are provided in Appendix G.

All groundwater samples were analyzed for CSIA $^{15}N/^{14}N$ ($\delta^{15}N$) and TOC. Groundwater samples for CSIA were packed in coolers with double bagged ice and delivered under chain-of-custody to Pace Analytical Energy Services LLC (Pace) in Pittsburgh, Pennsylvania. Groundwater samples for TOC analysis were delivered under chain-of-custody to either TraceAnalysis in El Paso, Texas or Hall Environmental Analysis Laboratory in Albuquerque, New Mexico.

3.4 Irrigation/Supply Well Groundwater Sampling

Fourteen irrigation/supply locations were sampled in March and April 2016. Samples were analyzed for nitrate, chloride, TDS, and TKN. Groundwater from wells LRG-00457, LRG-3348-AS, and LRG-3348-B were also analyzed for sulfate. Irrigation/supply wells were sampled by collecting a grab aliquot from a faucet or tank located nearest to the pump outlet. The wells were operational at the time of sampling; therefore, no purging was necessary.

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

Twelve 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 or taps located on the tank. At Dominguez Dairy and Del Oro Dairy more than one supply well pumped water into the holding tank; therefore, the groundwater sample collected was a composite sample. At Dominguez Dairy water is supplied to their holding tank by two supply wells. At Del Oro Dairy water is supplied to their holding tank by three supply wells.

Additional sampling occurred in May 2016. Buena Vista Dairy II well LRG-01876 and Mountain View Dairy well LRG-952 were inadvertently omitted during the March/April sampling event. Gonzalez well LRG-05351-S was sampled in March and then resampled in May. It was suspected that the wrong well was sampled during the earlier sampling event, but the newer results confirm that the correct well was sampled.

4.0 GROUNDWATER MONITORING RESULTS

4.1 Hydraulic Gradient and Direction of Groundwater Flow

This quarter, groundwater was present beneath the site at depths ranging from 13.07 feet below top of casing (ft btoc) in abatement well DAD-03 to 132.75 ft btoc in Dominguez #2 well 42-12. Groundwater was encountered at shallower depths near the Mesquite Drain and at greater depths near I-10 where the topographic elevation increases.

Potentiometric surface maps were completed using the monitoring well gauging data for the northern, central, and southern portions of the Dairies and are provided as Figures 2, 3, 4, and 5. Hydrographs were completed for select monitoring wells and are provided in Appendix H. On average, water levels have increased in the northern portion, central portion, and southern portion regional aquifer when compared to the monitoring event conducted in November 2015, while water levels in the southern portion perched aquifer decreased. Long term decreases in water levels have resulted in many wells becoming dry.

The groundwater flow direction in the northern and southern portion of the regional aquifer is to the southeast, and the groundwater flow in the central portion of the regional aquifer is southerly. The gradient in the southern perched aquifer of the dairy near Anthony, New Mexico flows southwest. The hydraulic gradient across the Dairies is approximately 0.001 ft/ft.

4.2 Groundwater Field Parameters

Field parameters from the most recent monitoring event including specific conductance, pH, temperature, ORP, and dissolved oxygen are discussed below. The field parameters were recorded on the sampling field forms (Appendix A) and summarized in Table 2. Though dissolved oxygen and ORP measurements from wells containing a pump were recorded, these

measurements are not representative of aquifer conditions and therefore are not included in the discussion. Many dissolved oxygen and ORP values do not appear to be accurate, possibly due to a malfunctioning meter or improper calibration.

Northern Area

In the northern area, pH values ranged from 6.34 in Dominguez Dairy well 624-02 to 7.52 in Gonzalez Dairy well 42-06 for the February 2016 monitoring event. The pH values recorded on February 15, 2016 were not used for comparison since the values appear to be suspect. Specific conductivity ranged from 1,732 microsiemens per centimeter (µS/cm) in Dominguez 2 Dairy well 42-12 to 9,366 µS/cm in Mountain View Dairy well 70-03. Dissolved oxygen ranged from 1.36 milligrams per liter (mg/L) in Mountain View Dairy well 70-04 to 6.08 mg/L in abatement well DAD-02. The ORP ranged from 165.0 millivolts (mV) in Organ Dairy well 126-05 to 367.9 mV in abatement well DAD-11 for the most recent monitoring event.

Central Area

In the central area, pH values ranged from 6.45 in River Valley Dairy well 167-06 to 8.02 in Big Sky Dairy well 833-09 for the most recent monitoring event. Specific conductivity ranged from 1,550 µS/cm in abatement well DAD-17 to 7,896 µS/cm in abatement well DAD-08. Dissolved oxygen ranged from less than 0.01 mg/L in Sunset Dairy well 257/260-01 to 6.49 mg/L in River Valley Dairy well 167-02. The ORP ranged from -312.4 mV in Sunset Dairy well 257/260-01 to 597.0 mV in Buena Vista Dairy well 74-03 for the most recent monitoring event.

Southern Area

In the southern area of the regional aquifer, pH values ranged from 7.01 in Del Oro Dairy well 692-05 to 7.28 in abatement well DAD-10 for the most recent monitoring event. Specific conductivity ranged from 2,072 µS/cm in Del Oro Dairy well 692-08 to 2,390 µS/cm in Del Oro Dairy well 692-07. Dissolved oxygen ranged from 3.63 mg/L in abatement well DAD-10 to 3.78 mg/L in Del Oro Dairy well 692-06. The ORP ranged from 167.3 mV in Del Oro Dairy well 692-06 to 229.0 mV in abatement well DAD-10 for the most recent monitoring event.

In the southern area's perched aquifer, pH values ranged from 6.49 in Del Oro Dairy well 692-02 to 7.42 in abatement well DAD-20 for the most recent monitoring event. Specific conductivity ranged from 2,888 µS/cm in abatement well DAD-09 to 4,818 µS/cm in Del Oro Dairy well 692-02. Dissolved oxygen ranged from 1.46 mg/L in Del Oro Dairy well 692-02 to 5.29 mg/L in abatement well DAD-20. The ORP ranged from 192.0 mV in abatement well DAD-22 to 335.4 mV in Del Oro Dairy well 692-02 for the most recent monitoring event.

4.3 Groundwater Nitrate, Chloride, and TDS Analytical Results

4.3.1 Abatement Plan Well Results

Groundwater analyte concentrations were below the NMWQCC standard for nitrate (10 mg/L) in 11 of the 25 monitoring wells sampled. The AP wells that had nitrate concentrations above

standards are DAD-02, DAD-08, DAD-09, DAD-10, DAD-11 (vertical delineation well), DAD-12 (vertical delineation well), DAD-13, DAD-14, DAD-19 (vertical delineation well), DAD-20, DAD-21, DAD-22, DAD-25, and DAD-26.

Both chloride and TDS concentrations exceeded their respective NMWQCC standards in all 25 wells sampled, except for well DAD-17 where chloride decreased from 373 in November 2015 to 183 mg/L in March 2016.

Newly installed AP wells DAD-23 and DAD-24 (vertical delineation well) were below the standard for nitrate, but nitrate concentrations were above the standard in newly installed AP wells DAD-25 and DAD-26. Nitrate concentrations decreased in AP wells DAD-01, DAD-04, DAD-07, DAD-08, DAD-11, DAD-15, DAD-16, and DAD-19 (vertical delineation well). Nitrate concentrations increase or remained the same in all the other AP wells. The nitrate concentrations in wells DAD-03, DAD-04, DAD-17, and DAD-23 were below detection limits for this monitoring event. Well DAD-21 saw the largest increase in nitrate concentrations from 6.28 mg/L in November 2015 to 35.6 mg/L for this monitoring event. The highest nitrate concentrations were found in wells DAD-25 and DAD-26 at 52.5 mg/L and 61.1 mg/L, respectively. Wells DAD-10 and DAD-13 were above standards for the first time since May 2015. Wells DAD-09 and DAD-21were above standards for the first time since 2013 and 2014, respectively, and well DAD-22 was above standards for the first time since December 2012.

Chloride concentrations in the AP wells range from 183 mg/L in well DAD-17 to 1,990 mg/L in well DAD-08 for this event, and TDS ranged from 1,260 mg/L in well DAD-17 to 5,740 mg/L in well DAD-08.

Table 4 summarizes the analytical results for AP monitoring wells and the analytical laboratory results are found in Appendix G. Nitrate and chloride concentration trends for DAD wells are presented in Appendix I.

4.3.2 Abatement Plan and Discharge Permit Well Results by Area

DP groundwater analytical results are presented in Table 5. These data were combined with the analytical data collected from the 25 AP monitoring wells sampled and are plotted on Figures 6, 7, 8, and 9. Analytical laboratory reports are included in Appendix G. The following discussions summarize the results by area at the Dairies.

Northern Portion

The highest nitrate concentration was detected at Bright Star Dairy well 340-01 with a concentration of 99.1 mg/l. The northern nitrate plume downgradient well, DAD-02, was slightly above the NMWQCC standard for nitrate (10 mg/L) for the first time in May 2015 and has remained slightly above the standard since. In the most recent monitoring event, nitrate was detected at DAD-02 at a concentration of 10.3 mg/L. However, newly installed well DAD-23, which is located upgradient of well DAD-02, was below method detection limits. This may indicate that the contamination present in well DAD-02 is not coming from the Dairies. Upgradient wells 70/86/340-01 and 86/340-01 (Northern Land Application wells) had above-

standard nitrate concentrations of 12.1 mg/L and 12.9 mg/L, respectively. Eastern cross-gradient wells 42-10, 42-11, 42-12, and DAD-01 had nitrate concentrations below the standard. Cross gradient well DAD-13 was above standards for the first time since May 2015 at 11.0 mg/L. The western delineating cross-gradient well Dominguez 624-05 had a nitrate concentration of 6.72 mg/L in February 2013; however, the well has remained dry since that time. Nitrate concentrations in the well nearest to Dominguez well 624-05, Day Break (Dominguez #2) well 42-02, remained below NMWQCC standards during this monitoring event with a concentration of 9.10 mg/L.

The chloride and TDS concentrations are above standards in all wells sampled within the northern portion. The highest concentrations of chloride and TDS were observed at Northern Land Application Area well 70-03 with concentration of 3,340 mg/L and 8,380 mg/L, respectively.

Central Portion

The highest nitrate concentration was observed in Big Sky Dairy well 833-09 at a concentration of 112 mg/L. The upgradient extent of the nitrate plume is defined in the central portion by Buena Vista Dairy II well 74-03 which was below detection limits for nitrate for this event. Sunset Dairy well 257-02 defines the downgradient extent of the plume. It has remained below the standard since May 2014 except in the November 2015 event which concentrations were slightly above the standard with a concentration 12.2 mg/L. The nitrate concentration during this event returned to below the standard at a concentration of 4.98 mg/L. The eastern cross-gradient extent of the plume is defined by wells DAD-07 and DAD-15, and the western extent is defined by wells DAD-04, DAD-16, 167-01A, 167-05, 167-08, and 833-10; nitrate concentrations remain below standards in all of these wells. The new AP well, DAD-25, located in the southeastern corner of the central portion was above standards for nitrate. The new vertical delineation well DAD-24 was below the nitrate standard, which has now defined the vertical extent of nitrate contamination.

Chloride and TDS concentrations are above standards in all wells within the central portion. The highest chloride and TDS concentrations were observed at well DAD-08 with concentrations of 1,990 mg/L and 5,740 mg/L, respectively. Well DAD-08 is located east of Sunset Dairy, adjacent to irrigation well LRG-00590-S-6. This irrigation well has not been operational since 2014.

Southern Portion

Nitrate is present within both the regional and perched aquifers in the southern portion of the Dairies. All of the wells in the regional aquifer are below the NMWQCC standard for nitrate. For the last two events (September and November 2015), AP well DAD-10 in the regional aquifer has been below the standard, but nitrate concentrations increased above the standard for this event at a concentration of 10.5 mg/L.

The well with the highest nitrate concentration in the shallow perched aquifer is Del Oro Dairy well 692-02 with a concentration of 140 mg/L. The nitrate concentration in AP wells DAD-09,

DAD-20, DAD-21, DAD-22, and newly installed DAD-26 were above the NMWQCC standard (10 mg/L). Wells DAD-09 and DAD-21were above standards for the first time since 2013 and 2014, respectively, and well DAD-22 was above standards for the first time since December 2012.

Chloride and TDS concentrations are above NMWQCC standards in all wells sampled within the southern portion. Chloride concentrations in this area ranged from 445 mg/L in Del Oro Dairy well 692-09 to 990 mg/L in well 692-02. TDS ranged from 1,280 mg/L in Del Oro Dairy well 692-09 to 3,480 mg/L in Del Oro Dairy well 692-02. Upgradient Del Oro well 692-08 had a chloride concentration of 448 mg/L and a TDS concentration of 1,300 mg/L.

4.3.3 Irrigation/Supply Well Results

Groundwater analytical results for the sampled irrigation/supply wells are presented in Table 6. Locations are provided on Figures 6, 7, 8, and 9. Analytical laboratory reports are included in Appendix G.

Nitrate concentrations were below the NMWQCC standard for nitrate in 11 of the 14 sampled irrigation/supply wells. In the northern portion, nitrate standard exceedances occurred at Bright Star Dairy well LRG-00953, Dominguez well LRG-00590-S-6, and Gonzalez well LRG-05351-S. Concentrations ranged from 10.3 to 20.4 mg/l. In the central portion, an exceedance occurred at Buena Vista Dairy II well LRG-01876 in March 2016 with a concentration of 12.2 mg/l. However, when the well was re-sampled in May 2016 the nitrate concentration measured 0.140 mg/l.

All irrigation/supply wells were above the NMWQCC standard for chloride and TDS. Chloride concentrations ranged from 328 to 1,200 mg/l. TDS concentrations ranged from 1,260 to 4,040 mg/l. Both chloride and TDS concentration ranges are similar to the concentrations observed in discharge plan and abatement plan monitoring wells, further indicating that chloride and TDS concentrations observed are regionally above standards.

Sulfate was below the NMWQCC standard in all three wells that were sampled.

4.4 Groundwater CSIA and TOC Analytical Results

Sixteen wells selected by NMED and EA (Mountain View Dairy 70-02, Dominguez Dairy 42-03 and 42-06, Gonzalez Dairy 177-05 and 177-07R, River Valley Dairy 167-04 and 167-07, Big Sky Dairy 833-02 and 833-09, Sunset Dairy 257-01 and 257-02, Del Oro Dairy 692-02, and AP wells DAD-09, DAD-14, DAD-23, and DAD-25) were sampled for CSIA and TOC analysis (Table 7). CSIA consisted of analysis of nitrogen-14 and nitrogen-15 stable isotopes ($^{15}N/^{14}N$ [$\delta^{15}N$]), as well as oxygen-18 ($\delta^{15}O$). One well 167-07 located at River Valley Dairy could not be analyzed for CSIA due to low nitrate concentrations. These wells are located along the center line of the plume through the northern, central and southern portions of the Dairies.

CSIA is an analytical method that measures the ratio of naturally occurring stable isotopes (ITRC 2011). The CSIA information can be used to assess environmental forensics and determine

different sources of nitrate. The nitrogen and oxygen isotopic composition can be used to discern different sources of nitrate (Pace 2016). This is completed by plotting the nitrogen $\delta^{15}N$ and the oxygen $\delta^{18}O$ on a graph. Generally, the isotopic compositions from the same source will plot linearly. The CSIA results from the 15 wells, where analysis could be completed, were plotted on a graph (Figure 10). The plot indicates that there is a similar linear trend for all samples analyzed except for the sample collected from DAD-23, which appears to be an outlier. This may indicate that the nitrate concentration present in DAD-23 is from a separate source other than the Dairies.

The TOC results from the sixteen wells ranged from <1.0 mg/L in well DAD-09 to 14.6 mg/L in well DAD-25. The average TOC concentration from the sixteen wells is 3.85 mg/L.

Analytical laboratory results for the CSIA and TOC are included in Appendix G.

5.0 DATA GAPS

Installation of additional monitoring wells is proposed to address existing data gaps. The downgradient extent of the nitrate plume in the central portion of the regional aquifer is not defined. As a result, installation of a well southeast of DAD-25 is proposed. The downgradient extent of the nitrate plume in the southern portion of the perched aquifer is also not defined. Installation of a monitoring well southwest of well DAD-26 is recommended. Details on installation and sampling of the proposed wells will be submitted as a SAP addendum.

6.0 EXISTING CONDITION/BACKGROUND CONCENTRATION FOR CHLORIDE AND TDS

Background or existing concentrations for chloride and TDS at the Dairies have been determined using upgradient well(s) in each portion of Doña Ana Dairies. The Stipulated Agreement requires that the chloride and TDS background concentration for the northern portion be recalculated using 3 and perhaps 4 suitable existing wells and that the upper confidence level (UCL) at 95% be used to estimate mean background concentrations. In addition, the Stipulated Agreement requires that the background will be recalculated for the northern, central, and southern portions every five years.

The existing condition for the northern portion was recalculated using the following wells:

- Northern Land Application Area well 86/340-01
- Organ Dairy well 126-09
- Dominguez 2 Dairy well 42-10

Analytical data from March 2009 to February 2016 were used to compute the UCL to establish existing conditions for the northern portion. A summary of the background statistical analysis performed is included in Appendix J.

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

- Northern portion - chloride 1,015 milligrams per liter (mg/L) and TDS 3,178 mg/L.

Analytical data from March 2009 to February 2016 were used to compute the upper prediction limits (UPL) to establish the existing conditions for the central and southern portion as calculated in the Stage 2 Abatement Plan (EA 2013). A summary of the background statistical analysis performed is included as a technical memorandum in Appendix J.

The average existing concentration as established by the UPL for chloride and TDS from March 2009 to February 2016 is as follows:

- Central portion - chloride 1,781 mg/L and TDS 5,328 mg/L.
- Southern portion - chloride 503 mg/L and TDS 2,552 mg/L.

Tables 4 and 5 present the wells that exceed the existing conditions.

6.0 GEOSTATISTICS AND TREND ANALYSIS

Analytical results from March 2009 to February 2016 from all AP and DP wells located in the northern, central and southern portions of the Dairies were used to complete a statistical trend analysis to determine if the nitrate, chloride and TDS plumes are stable, decreasing or increasing.

Trend analyses of nitrate, chloride and TDS from AP and DP wells were conducted using the Mann-Kendall test. The trend analysis indicated whether the concentrations at a particular well were stable, increasing or decreasing. A summary of the trend analysis is provided in Appendix J, which include concentration trend graphs for nitrate, chloride and TDS. Table 8 provides a summary of the trend analysis for the AP and DP wells.

In addition to the trend analysis, a baseline geostatistical analysis was completed to estimate analyte distribution and calculate contaminant plume area. Interpolation by kriging was applied to nitrate, chloride, and TDS concentrations from February 2016. Interpolation was based on analytical data from abatement plan and discharge plan wells. Isopleths were manually adjusted where appropriate. TDS in the southern regional aquifer was not modeled because TDS concentrations were below regional background levels.

Table 9 provides the calculated areas of plumes in the north, central, and south portions. In the future, the results of these analyses will be used to track changes in plume areas. Distributions of contaminants are displayed in Figures 11 through 21. Note that the contaminant plumes displayed in these figures are statistically generated. As a result, modeled concentration intervals may have a small offset from measured concentrations at individual monitoring locations.

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

6.1 Northern Portion

Trend analysis was conducted on 38 DP wells and 6 AP wells within the Stage 2 Abatement Plan

area for the northern portion. The following wells had a decreasing or increasing nitrate trend analysis:

- Decreasing Nitrate Trend: Northern Land Application Area well 70/86/340-01, Organ Dairy well 126-09, Dominguez 2 Dairy wells 42-02 and 42-08, Dominguez Dairy wells 624-04, 624-05, and 624-07, Gonzalez Dairy wells 177-02, 177-04, 177-05, and 177-06.

- Increasing Nitrate Trend: Northern Land Application Area well 86/340-01, 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 wells 42-03 and 42-12, Gonzalez Dairy well 177-07R, and AP wells DAD-11 and DAD-13.

For chloride, 13 of the 44 wells analyzed had a decreasing trend and 12 had an increasing trend:

- Decreasing Chloride Trend: Organ Dairy wells 126-07, 126-09, and 126-12, Mountain View Dairy well 70-02, Dominguez 2 Dairy wells 42-03, 42-06, 42-07, 42-08 and 42-13, Dominguez Dairy wells 624-01, 624-02 and 624-07, Gonzalez Dairy well 177-02.

- Increasing Chloride Trend: Northern Land Application Area wells 70/86/340-01, Organ Dairy wells 126-04 and 126-05, Dominguez 2 Dairy wells 42-02 and 42-09, Gonzalez Dairy wells 177-01 and 177-05, and AP wells DAD-02, DAD-11, DAD-12, DAD-13, and DAD-14.

TDS decreasing and increasing concentration trends are as follows:

- Decreasing TDS Trend: Organ Dairy well 126-09, Dominguez 2 Dairy wells 42-03, 42-06, 42-08, 42-12, and 42-13, Dominguez Dairy wells 624-02, 624-05, and 624-07, Gonzalez Dairy well 177-02, and AP well DAD-02.

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

Table 8 lists all the wells within the northern portion that had an increasing trend of at least one of the analytes (nitrate, chloride and TDS). Of the 44 wells in the northern portion, 20 wells had stable or decreasing nitrate, chloride and TDS results. There are three wells, Organ Dairy well 126-04, DAD-11, and DAD-13, in the northern portion that have increasing nitrate, chloride and TDS trends. Organ Dairy well 126-04 and DAD-11 are located well within the Abatement Plan Area. Well DAD-13 is a downgradient well with nitrate concentrations just above the standard and has chloride and TDS concentrations below existing conditions.

The wells downgradient of the Northern Land Application Area have decreasing or stable nitrate, chloride, and TDS trends. All Dominguez Dairy wells are either stable to decreasing for nitrate, chloride, and TDS.

6.2 Central Portion

A trend analysis was conducted on all 40 wells within the Stage 2 Abatement area of the central portion. The following summarizes trend statistics for the nitrate plume:

- Decreasing Nitrate Trend: Buena Vista Dairy well 74-03, River Valley wells 167-01A, 167-03, 167-06, and 167-08, and Sunset Dairy Well 257-02, and AP well DAD-19.

- Increasing Nitrate Trend: River Valley Dairy well 167-04, Big Sky Dairy wells 833-05 and 833-09, and AP wells DAD-05, DAD-07, and DAD-08.

The chloride summary trend statistics indicate that chloride concentrations are decreasing in 14 wells and increasing in 8 wells as follows:

- Decreasing Chloride Trend: Buena Vista II Dairy wells 74-02 and 74-03, River Valley wells 167-01A, 167-02, 167-03, 167-04, 167-05, 167-06, and 167-07, Big Sky Dairy 833-05, Sunset Dairy well 257-03 and AP wells DAD-03, DAD-04, and DAD-05.

- Increasing Chloride Trend: Buena Vista II Dairy wells 74-01 and 74-04, Sunset Dairy well 257-02, and AP wells DAD-08, DAD-15, DAD-16, DAD-18 and DAD-19.

Based on the statistical trend analysis there are 9 wells with decreasing TDS trends and 5 wells with increasing TDS trends. The following summarizes the trend statistics for TDS:

- Decreasing TDS Trend: Buena Vista II Dairy wells 74-02 and 74-03, River Valley Dairy wells 167-01A, 167-02, 167-03, and 167-04, Big Sky Dairy well 833-05, and AP wells DAD-03 and DAD-04.

- Increasing TDS Trend: Buena Vista II Dairy well 74-04, Big Sky well 833-07, Sunset Dairy well 257-02, and AP wells DAD-06 and DAD-18.

Table 8 lists all the wells within the central portion that had an increasing trend of at least one of the analytes (nitrate, chloride, and TDS). Of the 40 wells analyzed, 25 of the wells had decreasing or stable trends for nitrate, chloride, and TDS within the central portion. No wells in the central portion had increasing trends for all three contaminants (nitrate, chloride and TDS).

Wells downgradient of the River Valley Land Application Area have decreasing or stable nitrate, chloride, and TDS trends.

Sunset well 257-01 (located adjacent to the lagoon) had a stable trend for nitrate, chloride, and TDS. A decreasing to stable nitrate trend is present downgradient of the Buena Vista II lagoons, River Valley lagoons, and three of the five Big Sky lagoons. It is expected that similar trends will occur downgradient of all synthetically lined lagoons in the future. Additionally, the wells with increasing nitrate trends downgradient of Big Sky lagoons are not located along the margins of the abatement plan area.

6.3 Southern Portion

The southern portion statistical trend analysis was completed on all wells, except the new well where there is not enough data to calculate a trend. The analysis was completed for both the regional and perched aquifers. Of the 13 wells analyzed in the southern portion of the Dairies, seven had decreasing or stable concentrations of nitrate, chloride, and TDS.

Within the regional aquifer no increasing trends of nitrate, chloride or TDS were observed except for wells 692-05 and DAD-10. Concentrations of nitrate are increasing at Del Oro Dairy well 692-05, but nitrate concentrations are below the standard, and chloride and TDS concentrations are stable. At DAD-10, concentrations are just above the standard of 10 mg/L for nitrate, and chloride and TDS are below existing conditions. All other wells in the regional aquifer had stable to decreasing nitrate, chloride and TDS trends.

In the perched aquifer the statistical trend analysis indicated 3 of the 7 wells had stable or decreasing trends for all analytes. Del Oro Dairy well 692-02 is the only well that had an

increasing nitrate trend. AP wells DAD-20, DAD-21 and DAD-22 had increasing chloride trends. AP well DAD-21 also had an increasing TDS trend.

7.0 CAPTURE ANALYSIS OF IRRIGATION SUPPLY WELLS

An estimation of the capture zones of pumping wells at the constituent dairies, comprised of milking parlor and feed pen supply wells and irrigation wells, were computed using the well in a uniform flow field method described by Todd (1980). Todd establishes the follow relationships for capture of a pumping well:

$$Y_L = \pm \frac{Q}{2Kbi}$$

and

$$X_L = -\frac{Q}{2\pi Kbi}$$

Where:

Y_L = capture width on each side (transverse to groundwater flow) of pumping well (ft)
X_L = downgradient capture of pumping (ft)
Q = well discharge (ft^3/min)
K = hydraulic conductivity (ft/min)
b = aquifer thickness (ft)
i = hydraulic gradient (ft/ft)

Since Y_L is plus or minus the capture width (from well flow field centerline), the full width of capture (both sides of pumping well) is $2Y_L$. Comparing the full capture width with X_L shows

the downgradient capture is 2π (or about 6 times) less than the capture width.

The approach taken to estimate the capture zone of the supply and irrigation wells was to prorate total well discharge (Q) versus borehole leakance contribution (Q_{pro}) and total saturated thickness (b) relative to plume thickness (b_{con}). The borehole leakance factor was estimated, and is based on the following concepts:

- It was neither a past nor present requirement that the annular space of the dairy supply or irrigation wells be grouted or sealed other than from surface to twenty feet below grade;
- The lack of grout in the annulus across low permeability zones such as silt or clay means that under pumping stress, vertical drainage of water from all levels can occur, even across aquitards;
- These annuluses were typically filled with sand or gravel, which is assumed to leak vertically with the permeability of the fill; and
- Ten percent of the prorated discharge (see below) is apportioned to this borehole leakance.

Accordingly, the following relations were used to estimate capture zone:

$$Q_{pro} = 10\%\ Q_{avg} \frac{b_{con}}{b}$$

where:

Q_{avg} = average pumping rate per annum = total discharge per annum divided by total pumping time in minutes per annum (estimated from dairy pumping records and/or practices) and Q_{pro} = 10% borehole leakance from contaminant plume thickness by total thickness (estimated contaminant plume pumping stress)

and

$$b = \ total\ well\ depth - depth\ to\ groundwater$$

and

$$b_{con} = \ depth\ to\ base\ of\ contamination - depth\ to\ groundwater$$

Table 10 provides a summary of the analysis and the respective capture zones. The capture zones of the supply and irrigation wells based on the analysis is hundreds to thousands of feet, and suggests these supply and irrigation wells capture the groundwater locally. This agrees with potentiometric surface maps which indicate the southeast groundwater flow direction in the northern portion as an example, and the impact on plume migration noted at DAD-08 by pumping of an adjacent irrigation well at Sunset Dairy.

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 13.07 to 132.75 ft btoc.
- On average, water levels have increased in the northern and central areas relative to November 2015 water levels, while water levels in the southern portion of the perched aquifer have decreased.
- The groundwater flow direction at the Dairies within the regional groundwater aquifer is south-southeast. The hydraulic gradient is 0.001 ft/ft.
- The perched groundwater aquifer at Del Oro Dairy has a groundwater flow direction toward the southwest.
- Nitrate was below the NMWQCC standards in 11 of the 25 groundwater samples collected from the AP wells.
- Chloride was above the NMWQCC standard in all monitoring wells sampled, except for well DAD-17 which had a chloride concentration of 183 mg/L.
- TDS was above the NMWQCC standard in all monitoring wells sampled.
- Chloride and TDS remain above standards in wells upgradient of the northern, central, and southern portions of the plume at the Dairies. Chloride and TDS are regionally elevated above standards and not necessarily attributed to the Dairies.
- Nitrate concentrations were below the NMWQCC standard for nitrate in 11 of the 14 sampled irrigation/supply wells. All irrigation/supply wells analyzed for sulfate were below the NMWQCC standard. All irrigation/supply wells were above the NMWQCC standard for chloride and TDS. Both chloride and TDS concentration ranges are similar to the concentrations observed in discharge plan and abatement plan monitoring wells, further indicating that chloride and TDS concentrations observed are regionally above standards.
- CSIA analysis was completed for groundwater from 15 wells. Plotted results indicate that there is a similar linear trend for all samples analyzed except for the sample collected from DAD-23, which appears to be an outlier. This may indicate that the nitrate concentration present in DAD-23 is from a separate source other than the Dairies.

- Existing conditions were calculated for chloride and TDS for the northern, central, and southern portions of the Dairies based on data collected between March 2009 and February 2016.

- Trend analysis indicates that 20 of the 44 wells analyzed in the northern portion had decreasing or stable trends for nitrate, chloride, and TDS.

- Trend analysis indicates that 25 of the 40 wells analyzed in the central portion had decreasing or stable trends for nitrate, chloride, and TDS.

- Trend analysis indicates that 7 of the 13 wells analyzed in the southern portion had decreasing or stable trends for nitrate, chloride, and TDS.

- Installation of an additional monitoring well southeast of DAD-25 is recommended to delineate the central nitrate plume in the regional aquifer.

- Installation of an additional monitoring well southwest of DAD-26 is recommended to delineate the southern nitrate plume in the perched aquifer.

9.0 REFERENCES

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TABLES

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	9-Feb-2016	424580.78	1510233.88	3871.43	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

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]
70/86/340-01	9-Feb-2016	427320.92	1508461.05	3866.77	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

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]
86/340-01	9-Feb-2016	432021.33	1503216.90	3876.14	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

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]
Organ Dairy (Formerly known as Del Norte Dairy and Daybreak Dairy)						
126-04	9-Feb-2016	423258.23	1510546.24	3850.31	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	9-Feb-2016	422293.26	1510649.84	3842.62	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	9-Feb-2016	423613.62	1509986.47	3850.94	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	9-Feb-2016	425154.15	1510994.31	3893.35	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	9-Feb-2016	421492.11	1510198.45	3838.88	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	9-Feb-2016	423431.96	1510657.41	3857.37	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	9-Feb-2016	423303.43	1510585.63	3851.84	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	9-Feb-2016	423412.73	1511192.51	3861.25	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
70-04	9-Feb-2016	422798.94	1510922.20	3849.81	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 Diary I						
86-01	9-Feb-2016	421534.62	1511667.76	3864.96	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	9-Feb-2016	421792.08	1510881.53	3848.08	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	9-Feb-2016	421410.13	1511423.42	3858.48	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	9-Feb-2016	420641.08	1512051.57	3869.76	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	9-Feb-2016	419982.45	1511126.19	3844.69	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	9-Feb-2016	419710.55	1514064.35	3898.46	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	9-Feb-2016	420021.61	1511465.15	3850.15	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	9-Feb-2016	420584.8	1513076.66	3891.52	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	9-Feb-2016	419994.93	1511197.91	3846.53	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	9-Feb-2016	419729.17	1512255.76	3865.25	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	9-Feb-2016	421426.39	1514460.4	3929.28	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	9-Feb-2016	420693.98	1515270.32	3939.31	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	9-Feb-2016	420972.09	1515423.88	3945.83	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	9-Feb-2016	419734.06	1512534.42	3873.10	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	9-Feb-2016	418826.21	1512131.46	3843.72	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	9-Feb-2016	417335.25	1512201.42	3835.45	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	9-Feb-2016	418542.24	1508104.07	3835.69	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	9-Feb-2016	419777.52	1509829.65	3835.27	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	9-Feb-2016	418502.42	1513981.08	3868.18	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	9-Feb-2016	418012.23	1514707.77	3872.25	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	9-Feb-2016	421461.78	1507712.04	3838.70	Dry	
	5-Nov-2015				Dry	
	5-Aug-2015				Dry	
	6-May-2015				Dry	
	5-Feb-2015				Dry	
	6-Nov-2014				Dry	
	12-Aug-2014				Dry	
	12-May-2014				Dry	
	12-Feb-2014				Dry	
	7-Nov-2013				Dry	
	6-Aug-2013				Dry	
	7-May-2013				Dry	
	7-Feb-2013				Dry	
	24-Oct-2012				Dry	
	30-Jul-2012				Dry	
	23-Apr-2012				Dry	
	25-Jan-2012				Dry	
	8-Dec-2011				Dry	
	3-Aug-2011				Dry	
	18-Apr-2011				17.72	3820.98
	18-Jan-2011				16.03	3822.67
	14-Sep-2010				14.83	3823.87
	24-Jun-2010				16.44	3822.26
	22-Mar-2010				16.42	3822.28
	8-Dec-2009				16.02	3822.68
	28-Aug-2009				15.20	3823.50
	26-May-2009				15.54	3823.16
	11-Dec-2008				14.96	3823.74
	27-Sep-2008				14.84	3823.86
	10-Jun-2008				16.12	3822.58
	5-Feb-2008				15.37	3823.33
	13-Nov-2007				14.71	3823.99
	12-Sep-2007				15.33	3823.37

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

Monitoring Well	Date Measured	Northing[a]	Easting[a]	Casing Elevation[b]	Depth to Water[c]	Ground Water Elevation[b]
Gonzalez Dairy						
177-01	9-Feb-2016	417300.94	1512942.63	3834.27	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	9-Feb-2016	416738.21	1513246.51	3834.66	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
177-03A	9-Feb-2016	416206.71	1513777.17	3835.75	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	9-Feb-2016	416796.99	1513733.28	3840.33	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	9-Feb-2016	417302.42	1514116.55	3852.16	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	9-Feb-2016	417301.84	1514765.63	3866.02	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
177-07R	9-Feb-2016	415240.93	1515476.47	3858.91	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

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]
177-07	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	
CENTRAL AREA						
Buena Vista Diary II						
74-01	9-Feb-2016	405434.93	1519310.15	3841.01	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 Diary II Continued						
74-02	9-Feb-2016	404574.08	1519035.52	3820.58	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	9-Feb-2016	407163.61	1516711.72	3823.36	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	9-Feb-2016	405488.65	1519864.48	3853.17	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	9-Feb-2016	404747.71	1519885.3	3845.35	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]
River Valley Dairy						
167-01	10-Feb-2016	402518.37	1518459.71	3818.94	16.37	3802.57
	5-Nov-2015				17.30	3801.64
	6-Aug-2015				17.91	3801.03
	6-May-2015				18.04	3800.90
	5-Feb-2015				16.18	3802.76
	10-Nov-2014				17.86	3801.08
	13-Aug-2014				18.49	3800.45
	18-Jun-2014				19.77	3799.17
	12-Feb-2014				16.81	3802.13
	6-Nov-2013				18.82	3800.12
	6-Aug-2013				19.11	3799.83
	7-May-2013				18.43	3800.51
	7-Feb-2013				17.02	3801.92
	25-Oct-2012				17.23	3801.71
	31-Jul-2012				16.91	3802.03
	24-Apr-2012				16.01	3802.93
	24-Jan-2012				14.60	3804.34
	8-Dec-2011				15.06	3803.88
	19-Jul-2011				16.81	3802.13
	25-Apr-2011				14.51	3804.43
	17-Jan-2011				12.33	3806.61
	15-Sep-2010				12.19	3806.75
	25-Jun-2010				13.31	3805.63
	22-Mar-2010				13.46	3805.48
	8-Dec-2009				12.11	3806.83
	28-Aug-2009				11.99	3806.95
	26-May-2009				12.43	3806.51
	10-Dec-2008				12.13	3806.81
	27-Sep-2008				12.09	3806.85
	10-Jun-2008				12.95	3805.99
	5-Feb-2008				12.62	3806.32
	14-Nov-2007				12.68	3806.26

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]
167-01A	10-Feb-2016	402518.18	1518936.72	3818.88	16.50	3802.38
	5-Nov-2015				17.51	3801.37
	6-Aug-2015				18.10	3800.78
	6-May-2015				18.84	3800.04
	5-Feb-2015				16.32	3802.56
	5-Nov-2014				17.35	3801.53
	13-Aug-2014				18.34	3800.54
	18-Jun-2014				19.65	3799.23
	12-Feb-2014				16.79	3802.09
	6-Nov-2013				18.19	3800.69
	6-Aug-2013				18.54	3800.34
	7-May-2013				18.22	3800.66
	7-Feb-2013				17.45	3801.43
	25-Oct-2012				17.38	3801.50
	31-Jul-2012				17.08	3801.80
	24-Apr-2012				16.29	3802.59
	24-Jan-2012				14.59	3804.29
	13-Dec-2011				15.13	3803.75
	19-Jul-2011				16.04	3802.84
	25-Apr-2011				14.13	3804.75
	17-Jan-2011				12.38	3806.50
	15-Sep-2010				12.21	3806.67
	22-Jun-2010				13.74	3805.14
	22-Mar-2010				13.22	3805.66
	8-Dec-2009				12.17	3806.71
	28-Aug-2009				12.23	3806.65
	26-May-2009				12.62	3806.26
	10-Dec-2008				12.03	3806.85
	27-Sep-2008				12.18	3806.70
	10-Jun-2008				13.16	3805.72

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]
167-02	10-Feb-2016	402498.3	1519354.81	3819.64	17.88	3801.76
	5-Nov-2015				18.70	3800.94
	6-Aug-2015				18.98	3800.66
	12-May-2015				20.88	3798.76
	6-May-2015				21.50	3798.14
	5-Feb-2015				17.25	3802.39
	10-Nov-2014				Dry	
	13-Aug-2014				19.35	3800.29
	18-Jun-2014				Dry	
	12-Feb-2014				17.94	3801.70
	6-Nov-2013				Dry	
	6-Aug-2013				Dry	
	7-May-2013				Dry	
	7-Feb-2013				Dry	
	25-Oct-2012				Dry	
	31-Jul-2012				Dry	
	24-Apr-2012				Dry	
	24-Jan-2012				15.84	3803.80
	8-Dec-2011				15.92	3803.72
	19-Jul-2011				Dry	
	25-Apr-2011				13.48	3806.16
	17-Jan-2011				13.49	3806.15
	15-Sep-2010				13.68	3805.96
	22-Jun-2010				15.23	3804.41
	22-Mar-2010				14.69	3804.95
	8-Dec-2009				13.32	3806.32
	28-Aug-2009				13.65	3805.99
	26-May-2009				13.86	3805.78
	10-Dec-2008				13.43	3806.21
	27-Sep-2008				13.71	3805.93
	10-Jun-2008				14.70	3804.94
	5-Feb-2008				13.54	3806.10
	14-Nov-2007				13.65	3805.99
	11-Sep-2007				13.98	3805.66

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]
167-03	10-Feb-2016	402981.73	1519415.73	3825.66	22.98	3802.68
	5-Nov-2015				23.96	3801.70
	6-Aug-2015				24.52	3801.14
	6-May-2015				24.58	3801.08
	5-Feb-2015				22.70	3802.96
	10-Nov-2014				24.45	3801.21
	13-Aug-2014				24.81	3800.85
	18-Jun-2014				25.84	3799.82
	12-Feb-2014				23.04	3802.62
	6-Nov-2013				24.79	3800.87
	6-Aug-2013				25.27	3800.39
	7-May-2013				22.99	3802.67
	7-Feb-2013				22.06	3803.60
	25-Oct-2012				23.49	3802.17
	31-Jul-2012				22.63	3803.03
	24-Apr-2012				21.97	3803.69
	24-Jan-2012				20.94	3804.72
	8-Dec-2011				21.73	3803.93
	19-Jul-2011				23.22	3802.44
	25-Apr-2011				18.78	3806.88
	17-Jan-2011				18.86	3806.80
	15-Sep-2010				18.81	3806.85
	22-Jun-2010				19.90	3805.76
	22-Mar-2010				19.71	3805.95
	8-Dec-2009				18.62	3807.04
	28-Aug-2009				18.90	3806.76
	27-May-2009				19.26	3806.40
	10-Dec-2008				18.41	3807.25
	27-Sep-2008				18.72	3806.94
	10-Jun-2008				19.82	3805.84
	5-Feb-2008				18.64	3807.02
	14-Nov-2007				18.55	3807.11
	11-Sep-2007				19.02	3806.64

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]
167-04	10-Feb-2016	402032.19	1519884.6	3827.60	25.37	3802.23
	5-Nov-2015				26.23	3801.37
	6-Aug-2015				26.73	3800.87
	6-May-2015				27.07	3800.53
	5-Feb-2015				25.22	3802.38
	10-Nov-2014				26.18	3801.42
	13-Aug-2014				26.91	3800.69
	18-Jun-2014				27.94	3799.66
	12-Feb-2014				25.42	3802.18
	6-Nov-2013				26.38	3801.22
	6-Aug-2013				26.70	3800.90
	7-May-2013				25.59	3802.01
	7-Feb-2013				24.84	3802.76
	25-Oct-2012				25.60	3802.00
	31-Jul-2012				25.19	3802.41
	24-Apr-2012				25.05	3802.55
	24-Jan-2012				23.36	3804.24
	8-Dec-2011				24.01	3803.59
	19-Jul-2011				24.36	3803.24
	25-Apr-2011				21.23	3806.37
	17-Jan-2011				21.18	3806.42
	15-Sep-2010				Well Damaged	
	22-Jun-2010					
	22-Mar-2010					
	8-Dec-2009					
	28-Aug-2009				21.57	3806.03
	26-May-2009				21.60	3806.00
	10-Dec-2008				21.01	3806.59
	27-Sep-2008				21.01	3806.59
	10-Jun-2008				22.20	3805.40
	5-Feb-2008				21.51	3806.09
	14-Nov-2007				21.44	3806.16
	11-Sep-2007				21.68	3805.92

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]
167-05	10-Feb-2016	397947.44	1520446.03	3815.44	16.42	3799.02
	5-Nov-2015				16.96	3798.48
	6-Aug-2015				16.12	3799.32
	6-May-2015				17.98	3797.46
	5-Feb-2015				16.13	3799.31
	10-Nov-2014				16.84	3798.60
	13-Aug-2014				15.94	3799.50
	18-Jun-2014				17.19	3798.25
	12-Feb-2014				15.73	3799.71
	6-Nov-2013				15.75	3799.69
	6-Aug-2013				16.03	3799.41
	7-May-2013				15.42	3800.02
	7-Feb-2013				14.96	3800.48
	25-Oct-2012				15.74	3799.70
	31-Jul-2012				15.60	3799.84
	24-Apr-2012				14.99	3800.45
	30-Jan-2012				13.86	3801.58
	13-Dec-2011				14.10	3801.34
	19-Jul-2011				13.69	3801.75
	19-Apr-2011				12.97	3802.47
	17-Jan-2011				11.90	3803.54
	15-Sep-2010				11.52	3803.92
	25-Jun-2010				12.43	3803.01
	22-Mar-2010				12.22	3803.22
	8-Dec-2009				11.96	3803.48
	28-Aug-2009				11.63	3803.81
	26-May-2009				11.45	3803.99
	10-Dec-2008				11.54	3803.90
	27-Sep-2008				11.20	3804.24
	10-Jun-2008				12.65	3802.79
	5-Feb-2008				12.36	3803.08
	14-Nov-2007				12.77	3802.67
	11-Sep-2007				12.91	3802.53

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]
167-06	10-Feb-2016	404479.35	1519603.88	3834.84	30.83	3804.01
	5-Nov-2015				31.73	3803.11
	6-Aug-2015				32.13	3802.71
	6-May-2015				32.36	3802.48
	5-Feb-2015				30.44	3804.40
	10-Nov-2014				31.33	3803.51
	13-Aug-2014				32.08	3802.76
	18-Jun-2014				32.63	3802.21
	12-Feb-2014				30.42	3804.42
	6-Nov-2013				30.95	3803.89
	6-Aug-2013				31.73	3803.11
	7-May-2013				30.83	3804.01
	7-Feb-2013				30.00	3804.84
	25-Oct-2012				30.12	3804.72
	31-Jul-2012				30.29	3804.55
	24-Apr-2012				29.84	3805.00
	24-Jan-2012				28.48	3806.36
	8-Dec-2011				29.10	3805.74
	19-Jul-2011				28.75	3806.09
	25-Apr-2011				26.71	3808.13
	17-Jan-2011				26.73	3808.11
	15-Sep-2010				26.70	3808.14
	22-Jun-2010				27.17	3807.67
	22-Mar-2010				27.02	3807.82
	8-Dec-2009				26.40	3808.44
	28-Aug-2009				26.96	3807.88
	26-May-2009				27.15	3807.69
	10-Dec-2008				26.18	3808.66
	27-Sep-2008				26.54	3808.30
	10-Jun-2008				27.10	3807.74
	5-Feb-2008				26.46	3808.38
	14-Nov-2007				26.60	3808.24
	11-Sep-2007				26.74	3808.10

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]
167-07	10-Feb-2016	402562.23	1518480.34	3819.08	16.25	3802.83
	5-Nov-2015				17.40	3801.68
	6-Aug-2015				18.28	3800.80
	6-May-2015				18.80	3800.28
	5-Feb-2015				16.26	3802.82
	10-Nov-2014				17.11	3801.97
	13-Aug-2014				18.47	3800.61
	18-Jun-2014				19.76	3799.32
	12-Feb-2014				16.88	3802.20
	6-Nov-2013				17.82	3801.26
	6-Aug-2013				18.25	3800.83
	7-May-2013				16.14	3802.94
	7-Feb-2013				15.84	3803.24
	25-Oct-2012				16.30	3802.78
	31-Jul-2012				16.09	3802.99
	24-Apr-2012				15.84	3803.24
	24-Jan-2012				14.54	3804.54
	8-Dec-2011				15.45	3803.63
	25-Jul-2011				15.39	3803.69
	25-Apr-2011				14.95	3804.13
	17-Jan-2011				12.39	3806.69
	15-Sep-2010				11.98	3807.10
	22-Jun-2010				12.94	3806.14
	22-Mar-2010				13.03	3806.05
	8-Dec-2009				12.18	3806.90
	28-Aug-2009				12.06	3807.02
	26-May-2009				12.56	3806.52
	10-Dec-2008				12.24	3806.84
	27-Sep-2008				12.20	3806.88
	10-Jun-2008				13.00	3806.08

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]
167-08	10-Feb-2016	399352.96	1519889.65	3817.96	16.33	3801.63
	23-Nov-2015				16.95	3801.01
	6-Aug-2015				18.40	3799.56
	6-May-2015				19.56	3798.40
	5-Feb-2015				17.78	3800.18
	5-Nov-2014				18.31	3799.65
	13-Aug-2014				18.46	3799.50
	18-Jun-2014				19.71	3798.25
	12-Feb-2014				17.65	3800.31
	6-Nov-2013				17.68	3800.28
	6-Aug-2013				18.07	3799.89
	7-May-2013				16.99	3800.97
	7-Feb-2013				16.73	3801.23
	25-Oct-2012				17.72	3800.24
	31-Jul-2012				17.60	3800.36
	24-Apr-2012				16.71	3801.25
	24-Jan-2012				15.25	3802.71
	8-Dec-2011				15.52	3802.44
	19-Jul-2011				15.59	3802.37
	19-Apr-2011				13.95	3804.01
	17-Jan-2011				13.42	3804.54
	15-Sep-2010				12.92	3805.04
	25-Jun-2010				14.69	3803.27
	22-Mar-2010				13.73	3804.23
	8-Dec-2009				13.46	3804.50
	28-Aug-2009				13.23	3804.73
	26-May-2009				12.87	3805.09
	10-Dec-2008				13.42	3804.54
	27-Sep-2008				NM	NM
	10-Jun-2008				14.02	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]
167-09	10-Feb-2016	398473.95	1519259.34	3817.00	16.66	3800.34
	5-Nov-2015				17.28	3799.72
	6-Aug-2015				16.30	3800.70
	6-May-2015				17.96	3799.04
	5-Feb-2015				16.81	3800.19
	5-Nov-2014				16.78	3800.22
	13-Aug-2014				16.92	3800.08
	18-Jun-2014				17.69	3799.31
	12-Feb-2014				16.38	3800.62
	6-Nov-2013				15.91	3801.09
	6-Aug-2013				16.22	3800.78
	7-May-2013				16.09	3800.91
	7-Feb-2013				15.36	3801.64
	25-Oct-2012				15.31	3801.69
	31-Jul-2012				15.04	3801.96
	24-Apr-2012				15.12	3801.88
	24-Jan-2012				14.60	3802.40
	8-Dec-2011				14.42	3802.58
	19-Jul-2011				13.17	3803.83
	19-Apr-2011				12.78	3804.22
	17-Jan-2011				12.70	3804.30
	15-Sep-2010				11.95	3805.05
	25-Jun-2010				13.01	3803.99
	22-Mar-2010				12.88	3804.12
	8-Dec-2009				12.82	3804.18
	28-Aug-2009				12.43	3804.57
	26-May-2009				12.44	3804.56
	10-Dec-2008				12.78	3804.22
	27-Sep-2008				12.07	3804.93
	10-Jun-2008				12.94	3804.06

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	10-Feb-2016	399617.23	1521136.33	3839.55	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	10-Feb-2016	401200.32	1520639.92	3836.04	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	10-Feb-2016	401392.09	1521955.23	3867.06	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	10-Feb-2016	402898.52	1520659.33	3845.79	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	10-Feb-2016	399712.39	1522374.73	3865.51	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	10-Feb-2016	402219.48	1522652.04	3878.20	76.15	3802.05
	5-Nov-2015				76.11	3802.09
	6-Aug-2015				76.49	3801.71
	6-May-2015				76.57	3801.63
	6-Feb-2015				75.79	3802.41
	5-Nov-2014				75.96	3802.24
	12-Aug-2014				76.20	3802.00
	18-Jun-2014				76.18	3802.02
	12-Feb-2014				75.43	3802.77
	6-Nov-2013				75.12	3803.08
	6-Aug-2013				75.47	3802.73
	8-May-2013				74.67	3803.53
	7-Feb-2013				73.80	3804.40
	25-Oct-2012				73.93	3804.27
	1-Aug-2012				74.06	3804.14
	24-Apr-2012				73.97	3804.23
	24-Jan-2012				73.50	3804.70
	8-Dec-2011				73.41	3804.79
	18-Jul-2011				72.93	3805.27
	25-Apr-2001				72.16	3806.04
	17-Jan-2011				71.43	3806.77
	14-Sep-2010				72.05	3806.15
	22-Jun-2010				72.08	3806.12
	22-Mar-2010				72.00	3806.20
	8-Dec-2009				71.92	3806.28
	28-Aug-2009				72.22	3805.98
	26-May-2009				72.02	3806.18
	10-Dec-2008				70.95	3807.25
	28-Sep-2008				70.87	3807.33
	10-Jun-2008				71.78	3806.42
	5-Feb-2008				71.47	3806.73

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

Monitoring Well	Date Measured	Northing[a]	Easting[a]	Casing Elevation[b]	Depth to Water[c]	Ground Water Elevation[b]
833-07	10-Feb-2016	399298.8	1522082.75	3860.70	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	10-Feb-2016	400535.64	1521938.23	3861.76	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	10-Feb-2016	398280.67	1520918.52	3826.27	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	10-Feb-2016	396715.89	1520283.6	3820.76	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	10-Feb-2016	395856.31	1520572.16	3820.33	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	10-Feb-2016	394728.34	1521030.29	3813.67	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	10-Feb-2016	397935.69	1518746.14	3814.74	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	10-Feb-2016	397678.36	1519948.22	3814.04	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
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	NM	NM	Destroyed	
	10-Jun-2008				8.33	--

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

Monitoring Well	Date Measured	Northing[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	10-Feb-2016	372984.72	1531192.1	3840.84	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	10-Feb-2016	372982.53	1531555.21	3842.66	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	10-Feb-2016	374807.26	1532403	3854.26	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	10-Feb-2016	375054.77	1532411.83	3856.48	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	10-Feb-2016	374944.88	1532019.81	3848.20	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	10-Feb-2016	375535.69	1531378.09	3843.09	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	10-Feb-2016	373575.83	1532395.09	3856.32	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	11-Feb-2016	372097.86	1532364.36	3843.03	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
MW-2	11-Feb-2016	NM	NM	3843.25	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	11-Feb-2016	NM	NM	3841.24	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
ABATEMENT PLAN MONITOR WELLS						
DAD-01	10-Feb-2016	422970.59	1512825.76	3886.16	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	10-Feb-2016	413002.98	1517319.93	3875.82	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
DAD-03	10-Feb-2016	407721.31	1516497.85	3820.58	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	10-Feb-2016	404576.66	1517413.28	3821.47	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
DAD-05	10-Feb-2016	396712.87	1519102.06	3816.01	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	10-Feb-2016	404273.19	1522081.00	3887.71	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
DAD-07	10-Feb-2016	399270.18	1524320.88	3891.38	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	10-Feb-2016	395287.38	1522575.07	3849.15	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
DAD-09	10-Feb-2016	373259.30	1530905.70	3838.03	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	10-Feb-2016	372980.55	1532375.33	3854.93	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	10-Feb-2016	416211.35	1513814.71	3835.90	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	10-Feb-2016	419731.54	1512274.77	3866.72	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
DAD-13	10-Feb-2016	417879.08	1515673.13	3898.44	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
DAD-14	10-Feb-2016	414923.33	1514695.26	3841.90	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	10-Feb-2016	402001.22	1523552.04	3897.61	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
DAD-16	10-Feb-2016	400628.77	1519350.74	3819.28	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
DAD-17	10-Feb-2016	393991.97	1520267.94	3817.75	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	10-Feb-2016	395714.14	1520588.96	3821.59	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
DAD-19	10-Feb-2016	400164.47	1522027.92	3864.50	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
DAD-20	10-Feb-2016	371751.45	1531188.19	3833.27	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	10-Feb-2016	374013.39	1530983.98	3839.62	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
DAD-22	10-Feb-2016	373029.62	1530352.69	3827.14	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	11-Feb-2016	413958.29	1515697.17	3855.46	45.37	3810.09
DAD-24	11-Feb-2016	400183.23	1522052.57	3864.91	67.85	3797.06
DAD-25	11-Feb-2016	394560.83	1524599.12	3870.63	64.11	3806.52
DAD-26	11-Feb-2016	372513.58	1530789.76	3829.31	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.

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	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	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	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
Organ Dairy (Formerly known as Del Norte Dairy and Daybreak Dairy)						
126-04	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	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	Insuficient Water-Parameters Not Collected				
126-07	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
126-09	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	Insuficient Water-Parameters Not Collected				
126-12	15-Feb-2015	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	15-Feb-2015	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
Mountain View Dairy						
70-01	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	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	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
Buena Vista Diary I						
86-01	Jan-2011	Not Sampled Since January 2011				
86-02	Jan-2011	Not Sampled Since January 2011				
Bright Star Dairy						
340-01	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

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)
340-02	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	Insuficient Water-Parameters Not Collected				
Former D&J Dairy (Dominguez 2)						
42-02*	23-Feb-2016	6.71	3,376	19.57	5.18	208.7
	1-Dec-2015	7.32	3,424	19.70	7.41	262.0
	26-Aug-2015	7.03	3,432	21.70	NM	238.8
42-03*	23-Feb-2016	6.73	5,403	22.87	4.17	204.4
	21-Dec-2015	6.49	4,428	18.21	1.46	4.98
	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*	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*	23-Feb-2016	Dry				
	1-Dec-2015	Dry				
	26-Aug-2015	Dry				
42-08*	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*	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*	23-Feb-2016	7.37	1,732	17.26	6.38	182.1
	1-Dec-2015	7.49	1,892	24.59	5.89	140.5
	25-Aug-2015	7.37	2,112	28.24	NM	172.7
42-12*	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*	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	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
624-02	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	16-Feb-2016	Dry				
	10-Nov-2015	Dry				
	7-Aug-2015	Dry				
624-05	16-Feb-2016	Dry				
	10-Nov-2015	Dry				
	7-Aug-2015	Dry				
624-06	16-Feb-2016	Dry				
	10-Nov-2015	Dry				
	7-Aug-2015	Dry				
624-07	16-Feb-2016	Dry				
	10-Nov-2015	Insuficient Water-Parameters Not Collected				
	7-Aug-2015	Insuficient Water-Parameters Not Collected				

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

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
624-08	16-Feb-2016	Dry				
	10-Nov-2015	Dry				
	7-Aug-2015	Dry				
Gonzalez Dairy						
177-01	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	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	11-Feb-2016	7.14	6,048	21.69	3.47	277.7
	11-Nov-2015	7.27	3,964	20.69	1.89	218.1
	21-Aug-2015	7.08	3,100	22.50	NM	227.6
177-04	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	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	11-Feb-2016	Dry				
	11-Nov-2015	Dry				
	21-Aug-2015	Dry				
177-07R	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 Diary II						
74-01	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	18-Feb-2016	7.60	3,995	21.01	3.82	398.5
	11-Nov-2015	7.32	3,315	21.76	0.90	194.9
	24-Aug-2015	7.22	3,377	21.48	NM	252.2
74-03	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	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	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
River Valley Dairy						
167-01A	17-Feb-2016	6.92	3,973	18.55	1.96	79.6
	16-Nov-2015	7.34	4,001	19.50	1.41	221.2
	24-Aug-2015	7.47	4,361	27.51	NM	77.5
167-02	17-Feb-2016	6.92	2,312	20.00	6.49	155.5
	16-Nov-2015	Dry				
	24-Aug-2015	Insuficient Water-Parameters Not Collected				

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

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
167-03	17-Feb-2016	6.93	2,803	21.72	2.94	196.6
	16-Nov-2015	7.34	2,998	21.43	1.46	246.1
	25-Aug-2015	7.29	3,054	21.90	NM	198.2
167-04	17-Feb-2016	6.74	4,856	20.05	3.37	209.0
	16-Nov-2015	7.50	4,234	20.07	NM	223.0
	25-Aug-2015	7.35	4,944	21.43	NM	171.1
167-05	17-Feb-2016	6.80	4,183	20.42	2.16	147.7
	13-Nov-2015	7.25	4,146	19.81	1.11	142.6
	25-Aug-2015	7.20	4,308	20.69	NM	223.5
167-06	17-Feb-2016	6.45	3,497	21.21	2.01	276.0
	13-Nov-2015	7.26	3,612	20.60	1.02	171.1
	24-Aug-2015	7.13	3,782	22.71	NM	252.5
167-07	17-Feb-2016	6.91	1,648	19.77	1.31	-76.3
	13-Nov-2015	7.64	1,825	18.72	1.12	-114.1
	24-Aug-2015	7.29	4,621	20.89	NM	72.4
167-08	17-Feb-2016	6.90	4,601	20.11	2.26	75.6
	23-Nov-2015	7.38	3,463	17.09	1.27	32.8
	25-Aug-2015	Bailer Stuck in Well-Parameters Not Collected				
167-09	17-Feb-2016	7.00	3,328	17.96	1.78	109.9
	13-Nov-2015	7.25	3,381	18.69	1.06	0.5
	25-Aug-2015	7.21	3,352	19.37	NM	226.5
Big Sky Dairy						
833-01	22-Feb-2016	Dry				
	18-Nov-2015	Dry				
	27-Aug-2015	Dry				
833-02	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	18-Feb-2016	Dry				
	18-Nov-2015	Dry				
	27-Aug-2015	Dry				
833-04	22-Feb-2016	7.27	3,279	19.95	3.49	256.5
	19-Nov-2015	7.69	3,169	19.07	4.15	218.6
	27-Aug-2015	7.52	3,656	22.15	NM	190.9
833-05	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	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	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
833-08	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	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	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	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	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	22-Feb-2016	Insuficient Water-Parameters Not Collected				
	19-Nov-2015	Dry				
	28-Aug-2015	7.34	3,520	24.08	NM	241.6
257/260-01	22-Feb-2016	7.61	3,755	18.22	<0.01	-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
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	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	24-Feb-2016	Dry				
	2-Dec-2015	Dry				
	31-Aug-2015	Dry				
692-05*	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	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*	24-Feb-2016	7.18	2,390	20.66	7.90	165.7
	2-Dec-2015	7.68	2,189	17.55	7.20	245.8
	31-Aug-2015	7.37	2,667	25.70	NM	132.9
692-08*	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*	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				

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)
ABATEMENT PLAN MONITOR WELLS						
DAD-01	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
DAD-02	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	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	25-Feb-2016	7.52	2,191	18.39	3.45	84.7
	23-Nov-2015	7.68	2,587	19.50	1.92	-29.6
	1-Sep-2015	7.76	3,591	22.82	NM	164.8
DAD-05	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	25-Feb-2016	Dry				
	23-Nov-2015	Dry				
	1-Sep-2015	Dry				
DAD-07	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
DAD-08	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	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	29-Feb-2016	7.28	2,364	21.64	3.63	229.0
	24-Nov-2015	7.37	2,259	21.32	2.13	81.6
	3-Sep-2015	7.27	2,421	22.08	NM	241.2
DAD-11	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	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	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
DAD-14	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	29-Feb-2016	7.07	2,738	22.66	4.68	251.2
	24-Nov-2015	7.22	2,630	22.17	3.36	171.1
	3-Sep-2015	7.14	2,702	23.39	NM	240.8

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

Monitoring Well	Date Measured	pH	SpC (uS/cm)	Temp (°C)	DO (mg/L)	ORP (mV)
DAD-16	29-Feb-2016	7.33	3,106	18.49	2.60	204.9
	30-Nov-2015	7.34	3,424	18.55	2.81	229.8
	2-Sep-2015	7.35	2,861	20.26	NM	251.4
DAD-17	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	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	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
DAD-20	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	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	25-Feb-2016	7.12	3,802	22.15	3.71	192.0
	23-Nov-2015	7.28	2,913	22.16	3.95	126.0
	2-Sep-2015	7.65	4,065	25.17	NM	207.8
DAD-23	29-Feb-2016	7.60	2,402	22.54	1.10	126.8
	21-Dec-2015	7.18	2,955	20.95	3.07	109.2
DAD-24	1-Mar-2016	7.20	2,507	22.26	1.89	237.4
DAD-25	1-Mar-2016	7.11	5,434	22.49	2.12	297.6
	21-Dec-2015	6.41	6,095	21.44	3.09	165.3
DAD-26	1-Mar-2016	7.30	3,959	21.09	1.36	245.7
	22-Dec-2015	6.40	3,770	22.15	2.18	151.6

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

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

Target Analytes	Analytical Method	Sample Container	Preservative	Holding Time
Nitrate - N	EPA 300.0	250 mL HDPE Bottle	Cool to <6°C,	48 Hours
Total Kjeldhal Nitrogen	SM 4500 NORG C	250 mL HDPE Bottle	H_2SO_4 to pH <2, Cool to <6°C	28 Days
Chloride	EPA 300.0	250 mL HDPE Bottle	Cool to <6°C	28 Days
Total Dissolved Solids	SM 2540 C MOD	250 mL HDPE Bottle	Cool to <6°C	28 Days
Total Organic Carbon	EPA 415.1	2 - 40 mL Glass VOA Vial	H_2SO_4 to pH <2, Cool to <6°C	28 Days
CSIA - $^{15}N/^{14}N$	$^{15}N/^{14}N$ ($\delta^{15}N$)	1 - 1 liter Plastic Poly Bottle	Cool to <6°C	-

NOTES:
°C = Degree Celsius
^{14}N = Nitrogen 14
^{15}N = Nitrogen 15
CSIA = Compound-specific isotope analysis
EPA = U.S. Environmental Protection Agency
HDPE = High-density polyethylene
mL = milliliter
MOD = Modified
N = Nitrogen
SM= Standard method
VOA = Volatile organic analysis

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	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
DAD-02	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)	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
DAD-12 Vertical Delineation	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	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
DAD-14	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	29-Feb-16	<0.305	<1.18	421	1,680	NA
	21-Dec-15	6.11	<1.18	450	1,860	NA
NMWQCC Standard		**10**	**NA**	**250**	**1,000**	**600**
Existing Conditions - Northern*		**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	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
DAD-04	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	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
DAD-06	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	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
DAD-08	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	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
DAD-16	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
DAD-17	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	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
DAD-19 Vertical Delineation	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		913	2,950	NA
	7-Dec-11	47.4	<2.17	789	3,070	544
DAD-24	1-Mar-16	2.22	<1.18	511	1,670	NA
DAD-25	1-Mar-16	52.5	<1.18	1,380	4,020	NA
	22-Dec-15	57.9	<1.18	1,580	4,640	NA
NMWQCC Standard		**10**	**NA**	**250**	**1,000**	**600**
Existing Conditions - Central*		**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	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
DAD-10 Regional Aquifer	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	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
DAD-21 Perched Aquifer	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
DAD-22 Perched Aquifer	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	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 - Southern*		**NA**	**NA**	**503**	**2,552**	**NA**

NOTES:
* Existing conditions were calculated based on March 2009 through February 2016 data. See Appendix J.
Shading indicates exceedence of NMWQCC standard
NA = Not analyzed
ND = Non detect
NMWQCC = New Mexico Water Quality Control Commission
TDS = Total dissolved solids
TKN = Total Kjeldahl Nitrogen
DAD-03 (6-29-10) Roots in sample may have resulted in a measured TKN result.

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	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
70/86/340-01	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	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
Organ Dairy (Formerly known as Del Norte Dairy and Daybreak Dairy)					
126-04	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	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
126-07	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	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				
126-12	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	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
Mountain View Dairy					
70-01	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	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
70-04	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	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	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
Former D&J Dairy (Dominguez 2)					
42-02	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	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
42-06	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	23-Feb-16	Dry			
	1-Dec-15	Dry			
	26-Aug-15	Dry			
	18-May-15	Dry			
	26-Feb-15	Dry			
	18-Nov-14	Dry			
	26-Aug-14	Dry			
	22-May-14	Dry			
	26-Feb-14	Dry			
	26-Nov-13	Dry			
	15-Aug-13	Dry			
	14-May-13	Dry			
	15-Feb-13	Dry			
	9-Nov-12	Dry			
	8-Aug-12	Dry			
	1-May-12	Dry			
	16-Feb-12	Dry			
	9-Nov-11	57.9	<2.17	1,090	3,450
	2-Aug-11	Dry			
	25-Apr-11	68.5	<2.17	1,230	4,080
	28-Jan-11	88.3	4.48	1,130	4,180
	1-Oct-10	92.0	<40.0	1,390	4,260
	27-Jun-10	63	<5.0	1,400	4,330
	6-Mar-10	63.1	<0.3	1,490	4,345
	16-Jan-10	59.6	<0.3	1,480	4,275
	15-Sep-09	66.6	<0.3	1,290	4,195
	3-Jun-09	57.4	<0.2	1,550	4,225
	14-Mar-09	43.7	<0.2	1,500	4,110
42-08	23-Feb-16	Dry			
	1-Dec-15	Dry			
	26-Aug-15	37.4	<1.18	89.6	1640
	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
42-10	23-Feb-16	<0.0610	<1.18	459	1,460
	1-Dec-15	0.165	<1.18	439	1,300
	25-Aug-15	<0.194	<1.18	436	1,440
	18-May-15	1.07	<1.18	471	1,360
	27-Feb-15	0.947	<1.80	439	1,520
	19-Nov-14	1.08	11.9	441	1,340
	26-Aug-14	1.08	<1.80	410	1,340
	22-May-14	1.25	<1.80	457	1,420
	26-Feb-14	0.982	<1.66	416	1,400
	26-Nov-13	1.10	2.10	435	1,420
	20-Aug-13	0.991	9.10	423	1,540
	14-May-13	0.976	<1.66	395	1,400
	15-Feb-13	<0.246	<1.72	415	1,380
	9-Nov-12	<0.0290	<1.72	397	1,350
	8-Aug-12	0.186	<1.72	403	1,328
	1-May-12	0.236	<1.72	363	1,260
	16-Feb-12	<0.500	<2.17	419	1,440
	8-Nov-11	<0.500	<2.17	425	1,510
	2-Aug-11	<0.500	<2.17	469	1,540
	25-Apr-11	<0.500	<2.17	453	1,500
	28-Jan-11	2.15	<2.17	345	1,280
	1-Oct-10	0.220	<10.0	360	1,450
	27-Jun-10	<0.50	<1.0	420	1,490
	6-Mar-10	0.23	<0.3	440	1,500
	16-Jan-10	<0.03	<0.3	430	1,435
	15-Sep-09	0.16	<0.3	400	1,425
	3-Jun-09	0.21	<0.2	450	1,535
	14-Mar-09	0.02	<0.2	480	1,480

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

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
42-11	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
42-12	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	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
Dominguez					
624-01	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	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
624-04	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	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
624-06	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	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
624-08	16-Feb-16	Dry			
	10-Nov-15	Dry			
	7-Aug-15	Dry			
	19-May-15	Dry			
	12-Feb-15	Dry			
	18-Nov-14	Dry			
	19-Aug-14	Dry			
	20-May-14	Dry			
	26-Feb-14	Dry			
	19-Nov-13	Dry			
	14-Aug-13	Dry			
	13-May-13	Dry			
	14-Feb-13	Dry			
	9-Aug-12	Dry			
	30-Apr-12	Dry			
	7-Feb-12	Dry			
	4-Nov-11	Dry			
	3-Aug-11	Dry			
	27-Apr-11	2.45	3.50	200	1,400
	26-Jan-11	1.7	8.12	222	2,940
	21-Sep-10	<2.50	<10.0	197	1,200
	27-Jun-10	2.0	<1.0	220	1,310
	6-Mar-10	0.65	<0.3	280	1,330
	16-Jan-10	0.89	<0.3	240	1,215
	15-Sep-09	2.3	0.3	200	1,205
	3-Jun-09	1.7	0.7	210	1,280
	14-Mar-09	1.8	<0.2	205	1,165

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

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
Gonzalez					
177-01	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	11-Feb-16	24.4	<1.18	847	2,820
	11-Nov-15	20.3	<1.18	824	2,800
	21-Aug-15	18.2	<1.18	797	2,840
	13-May-15	17.3	1.40	923	2,980
	12-Feb-15	17.5	<1.80	835	3,160
	14-Nov-14	16.3	<1.80	931	2,930
	18-Aug-14	17.1	<1.80	864	2,810
	16-May-14	43.0	<1.80	803	2,980
	21-Feb-14	67.9	<1.66	725	3,180
	18-Nov-13	111	2.80	682	3,150
	13-Aug-13	30.7	4.20	794	3,020
	15-May-13	27.6	<1.66	910	3,000
	19-Feb-13	29.3	<1.72	902	3,100
	13-Nov-12	35.8	<1.72	870	3,320
	13-Aug-12	47.4	7.70	899	3,650
	26-Apr-12	36.0	<1.72	881	2,960
	6-Feb-12	37.0	<2.17	958	3,320
	3-Nov-11	32.7	<2.17	971	3,450
	3-Aug-11	34.4	2.80	997	3,340
	4-May-11	38.1	2.52	1,050	3,580
	25-Jan-11	31.6	3.36	1,050	3,640
	20-Sep-10	78.0	<10.0	964	3,630
	29-Jun-10	58	<1.0	1,000	3,830
	28-Apr-10	60	<5.0	1,100	3,860
	20-Jan-10	59	<5.0	1,200	4,020
	21-Oct-09	50	<5.0	1,200	4,000
	7-Jul-09	56	<5.0	1,300	4,000
	6-May-09	52	<5.0	1,200	4,000
	22-Jan-09	72	<5.0	1,300	4,000
177-03A	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	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	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	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
177-07	15-Mar-03	44.4	1.5	1,205	4,007
177-07R	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 - Northern*		**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	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	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
74-03	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	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
74-05	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)
River Valley Dairy					
167-01	13-Aug-14	Not Sampled			
	23-May-14	Not Sampled			
	28-Feb-14	Not Sampled			
	10-Dec-13	Not Sampled			
	27-Aug-13	<0.164	10.5	290	1,260
	17-May-13	Not Sampled			
	20-Feb-13	Not Sampled			
	15-Nov-12	Not Sampled			
	14-Aug-12	Not Sampled			
	2-May-12	Not Sampled			
	30-Jan-12	Not Sampled			
	2-Nov-11	Not Sampled			
	25-Jul-11	Not Sampled			
	28-Apr-11	<0.500	3.92	720	2,960
	20-Jan-11	Not Sampled			
	27-Sep-10	1.55	9.94	731	2,540
	28-Jun-10	Not Sampled			
	5-Mar-10				
	15-Jan-10				
	14-Sep-09				
	2-Jun-09				
	15-Mar-09				
167-01A	17-Feb-16	<0.194	0.00	703	2,960
	16-Nov-15	<0.194	<1.18	669	2,920
	24-Aug-15	0.216	<1.18	698	2,980
	20-May-15	1.18	<1.18	693	3,020
	16-Feb-15	1.18	<1.80	669	3,070
	20-Nov-14	1.65	19.6	539	3,260
	4-Sep-14	2.52	<1.80	652	3,070
	23-May-14	1.59	2.80	666	2,860
	28-Feb-14	2.03	<1.66	656	2,820
	10-Dec-13	2.35	2.80	643	2,720
	26-Aug-13	4.84	10.5	907	3,610
	17-May-13	4.83	<1.66	794	3,420
	20-Feb-13	1.10	<1.72	845	3,360
	15-Nov-12	4.02	<1.72	778	3,440
	14-Aug-12	1.78	4.20	888	3,260
	2-May-12	2.55	1.82	781	3,180
	30-Jan-12	2.54	3.50	755	2,940
	2-Nov-11	11.2	4.62	1,080	3,620
	25-Jul-11	2.13	3.92	943	3,330
	28-Apr-11	4.03	<2.17	1,030	3,710
	20-Jan-11	1.26	2.1	968	5,100
	22-Sep-10	1.40	3.36	1,010	3,470
	28-Jun-10	6.07	1.1	1,050	3,710
	5-Mar-10	9.3	0.8	1,040	3,605
	15-Jan-10	5.3	0.5	1,090	3,590
	14-Sep-09	13.4	0.6	1,040	3,530
	2-Jun-09	13.7	0.7	980	3,505
	15-Mar-09	22.2	0.2	740	3,130

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)
167-02	17-Feb-16	<0.194	<1.18	486	1,560
	16-Nov-15	Dry			
	24-Aug-15	Dry			
	20-May-15	Dry			
	16-Feb-15	0.878	<1.80	435	1,360
	20-Nov-14	Dry			
	4-Sep-14	0.928	<1.80	455	1,580
	18-Jun-14	Dry			
	28-Feb-14	Dry			
	10-Dec-13	Dry			
	23-Aug-13	Dry			
	17-May-13	Not Sampled			
	20-Feb-13	Not Sampled			
	15-Nov-12	Not Sampled			
	14-Aug-12	Not Sampled			
	30-Jan-12	Not Sampled			
	2-Nov-11	<0.500	3.64	432	650
	25-Jul-11	Dry			
	28-Apr-11	<0.500	2.94	500	1,910
	20-Jan-11	0.716	< 2.05	546	1,840
	22-Sep-10	<0.846	<10.0	610	2,100
	28-Jun-10	Not Sampled			
	5-Mar-10				
	15-Jan-10				
	14-Sep-09				
	2-Jun-09				
	28-Apr-08	7.0	0.3	780	2,580
167-03	17-Feb-16	10.5	<1.18	470	1,830
	16-Nov-15	12.7	1.68	497	2,000
	25-Aug-15	13.3	<1.18	496	2,020
	20-May-15	12.6	<1.18	478	1,940
	18-Feb-15	10.3	<1.80	429	1,940
	24-Nov-14	16.2	<1.80	529	2,080
	4-Sep-14	17.1	<1.80	534	2,220
	23-May-14	16.6	2.80	440	2,200
	28-Feb-14	15.4	<1.66	516	2,140
	10-Dec-13	17.6	<1.66	578	2,310
	26-Aug-13	19.0	2.80	587	2,440
	20-May-13	16.7	<1.66	543	2,140
	21-Feb-13	13.0	<1.72	500	1,950
	15-Nov-12	15.0	<1.72	503	2,150
	14-Aug-12	16.6	<1.72	500	2,350
	2-May-12	17.5	<1.72	499	2,220
	27-Jan-12	21.0	<2.17	572	2,250
	2-Nov-11	22.0	<2.17	564	2,150
	25-Jul-11	18.5	6.16	543	2,250
	28-Apr-11	17.1	<2.17	508	2,210
	20-Jan-11	13.2	2.24	467	1,880
	22-Sep-10	9.19	<10.0	472	2,120
	28-Jun-10	20.4	<5.0	567	2,310
	5-Mar-10	18.4	<0.3	610	2,265
	15-Jan-10	13.7	0.6	620	2,015
	14-Sep-09	23.1	0.4	590	2,240
	2-Jun-09	25.0	0.5	680	2,515
	15-Mar-09	30.9	0.2	760	2,615

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)
167-04	17-Feb-16	27.4	<1.18	998	3,740
	16-Nov-15	27.2	1.68	952	3,410
	25-Aug-15	27.0	<1.18	1,040	3,860
	21-May-15	25.4	<1.18	1,050	3,740
	18-Feb-15	27.7	<1.80	823	3,450
	24-Nov-14	29.0	<1.80	908	3,520
	4-Sep-14	25.1	<1.80	1,040	4,210
	22-May-14	26.5	18.2	1,010	3,600
	3-Mar-14	25.1	2.10	1,180	4,080
	10-Dec-13	23.8	2.10	1,190	4,070
	26-Aug-13	25.5	6.30	1,090	3,900
	17-May-13	4.40	<1.66	796	4,170
	20-Feb-13	21.9	<1.72	1,320	4,660
	15-Nov-12	7.77	<1.72	1,150	4,380
	14-Aug-12	23.2	2.10	1,110	4,540
	2-May-12	18.6	13.6	1,050	4,020
	27-Jan-12	15.6	3.50	1,500	4,840
	2-Nov-11	Not Sampled - insufficient water to sample			
	26-Jul-11	19.3	4.62	1,270	4,560
	28-Apr-11	7.95	73.1	1,610	4,960
	20-Jan-11	Not Sampled			
	28-Jun-10				
	5-Mar-10				
	15-Jan-10				
	14-Sep-09	6.7	0.4	1,630	5,240
	2-Jun-09	8.5	0.4	1,525	5,045
	15-Mar-09	16.4	0.2	1,570	5,210
167-05	17-Feb-16	4.42	<1.18	732	2,960
	13-Nov-15	4.28	4.48	763	3,140
	25-Aug-15	3.40	2.10	756	3,100
	21-May-15	6.62	1.40	688	2,880
	19-Feb-15	4.97	<1.80	671	3,080
	20-Nov-14	2.62	<1.80	747	3,360
	3-Sep-14	4.16	<1.80	709	3,240
	23-May-14	3.62	3.50	764	3,010
	3-Mar-14	2.25	<1.66	818	3,180
	10-Dec-13	1.58	3.50	886	3,290
	26-Aug-13	4.54	3.50	767	3,400
	17-May-13	23.3	<1.66	1,120	3,140
	21-Feb-13	3.73	<1.72	842	3,360
	19-Nov-12	2.31	<1.72	805	3,480
	14-Aug-12	1.48	<1.72	1,630	3,220
	2-May-12	3.50	2.24	777	3,180
	30-Jan-12	4.40	<2.17	808	3,140
	2-Nov-11	3.89	3.64	782	2,560
	26-Jul-11	4.41	3.22	792	3,070
	28-Apr-11	12.9	2.80	976	3,630
	20-Jan-11	3.53	2.52	748	2,980
	23-Sep-10	2.70	<10.0	758	2,820
	28-Jun-10	4.07	<1.0	789	2,930
	5-Mar-10	2.9	<0.3	960	2,945
	15-Jan-10	1.8	<0.3	380	715
	14-Sep-09	1.9	0.4	890	2,970
	2-Jun-09	1.8	0.9	850	3,005
	15-Mar-09	4.6	0.2	910	3,230

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)
167-06	17-Feb-16	18.8	<1.18	633	2,400
	13-Nov-15	19.5	<1.18	650	2,550
	24-Aug-15	20.2	<1.18	642	2,620
	20-May-15	19.7	<1.18	649	2,490
	16-Feb-15	19.1	<1.80	591	2,580
	20-Nov-14	21.1	<1.80	702	2,900
	4-Sep-14	22.8	4.20	689	2,820
	22-May-14	22.8	4.20	726	2,660
	28-Feb-14	22.1	<1.66	707	2,620
	10-Dec-13	20.8	6.30	744	2,740
	26-Aug-13	29.0	2.10	757	2,740
	20-May-13	23.9	<1.66	704	2,620
	20-Feb-13	22.8	<1.72	725	2,660
	19-Nov-12	23.7	<1.72	718	2,980
	14-Aug-12	25.1	<1.72	677	2,910
	2-May-12	27.2	<1.72	688	2,480
	30-Jan-12	29.1	<2.17	754	2,880
	2-Nov-11	35.7	<2.17	716	3,390
	25-Jul-11	35.0	5.32	702	2,640
	28-Apr-11	35.4	<2.17	676	2,790
	20-Jan-11	29.6	2.38	634	2,560
	22-Sep-10	19.8	<10.0	655	2,630
	28-Jun-10	34.8	2.35	687	2,700
	5-Mar-10	30.9	<0.3	730	2,730
	15-Jan-10	26.2	0.4	750	2,755
	14-Sep-09	40.4	<0.3	700	2,680
	2-Jun-09	31.5	0.4	790	2,715
	15-Mar-09	36.2	0.7	730	2,715
167-07	17-Feb-16	<0.0387	2.80	128	1,480
	13-Nov-15	<0.0387	<1.18	124	1,350
	24-Aug-15	<0.194	<1.18	542	4,990
	20-May-15	<0.0470	<1.18	206	1,540
	19-Feb-15	<0.0137	<1.80	196	1,600
	20-Nov-14	<0.126	<1.80	258	2,300
	4-Sep-14	<0.126	<1.80	609	5,680
	23-May-14	<0.187	<1.80	209	1,490
	28-Feb-14	<0.213	2.10	229	1,540
	10-Dec-13	0.960	6.30	233	1,770
	26-Aug-13	2.00	4.20	681	4,770
	17-May-13	<0.0420	<1.66	319	1,840
	20-Feb-13	<0.246	<1.72	446	3,640
	15-Nov-12	<0.0595	<1.72	498	3,280
	14-Aug-12	<0.114	4.06	1,160	6,090
	2-May-12	0.0285	<1.72	367	1,890
	30-Jan-12	<0.500	<2.17	411	1,850
	2-Nov-11	<0.500	<2.17	366	2,460
	25-Jul-11	<1.00	3.50	446	4,400
	28-Apr-11	<0.500	<2.17	292	1,750
	20-Jan-11	0.448	2.10	239	1,280
	22-Sep-10	0.0400	2.10	268	1,590
	28-Jun-10	<0.5	<2.0	287	1,600
	5-Mar-10	0.16	<0.3	370	1,650
	15-Jan-10	<0.03	<0.3	250	2,065
	14-Sep-09	0.19	<0.3	390	1,700
	2-Jun-09	0.11	0.4	740	2,575
	15-Mar-09	0.11	0.2	1,090	3,165

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

Monitoring Well	Date Sampled	Nitrate as N (mg/l)	TKN (mg/l)	Chloride (mg/l)	TDS (mg/l)
167-08	17-Feb-16	<0.194	<1.18	1,050	3,480
	23-Nov-15	<0.194	<1.18	699	2,460
	25-Aug-15	Bailer Down Well -Not Sampled			
	21-May-15	<0.0470	<1.18	733	2,680
	24-Feb-15	<0.0137	2.10	729	2,960
	24-Nov-14	<0.126	<1.80	944	3,020
	4-Sep-14	<0.126	<1.80	726	2,840
	27-May-14	<0.187	2.10	777	2,920
	4-Mar-14	1.02	<1.66	884	3,090
	10-Dec-13	Not Sampled			
	27-Aug-13	Not Sampled			
	21-May-13	1.13	<1.66	723	2,820
	25-Feb-13	0.895	<1.72	827	2,640
	15-Nov-12	Well Damaged - Not Sampled			
	14-Aug-12	0.192	<1.72	788	2,860
	2-May-12	0.399	<1.72	744	2,580
	30-Jan-12	<0.500	<2.17	805	2,440
	2-Nov-11	1.93	<2.17	759	2,520
	26-Jul-11	3.77	4.20	779	3,030
	28-Apr-11	3.74	<2.17	793	2,740
	20-Jan-11	<0.239	2.10	764	2,640
	23-Sep-10	0.250	<10.0	756	2,720
	28-Jun-10	5.51	<0.5	804	2,990
	5-Mar-10	5.5	<0.3	830	2,750
	15-Jan-10	0.84	<0.3	720	2,530
	14-Sep-09	2.9	0.3	640	2,380
	2-Jun-09	2.1	0.6	750	2,785
	15-Mar-09	3.2	0.2	740	2,710
167-09	17-Feb-16	<0.194	<1.18	576	2,500
	13-Nov-15	<0.194	<1.18	627	2,400
	25-Aug-15	2.30	1.40	563	2,480
	21-May-15	4.15	<1.18	602	2,440
	19-Feb-15	5.42	<1.80	719	2,710
	20-Nov-14	6.31	2.80	683	2,830
	3-Sep-14	10.5	<1.80	680	2,980
	23-May-14	10.1	3.50	721	2,800
	3-Mar-14	6.49	<1.66	756	2,840
	10-Dec-13	3.82	4.90	777	2,980
	27-Aug-13	6.24	5.60	772	3,320
	17-May-13	10.7	<1.66	726	3,050
	21-Feb-13	4.51	<1.72	959	3,580
	19-Nov-12	12.8	<1.72	979	3,560
	14-Aug-12	8.47	2.10	916	3,760
	2-May-12	14.5	<1.72	1,070	4,000
	30-Jan-12	13.2	2.80	1,010	3,590
	3-Nov-11	7.53	8.40	988	3,590
	26-Jul-11	<1.00	3.78	736	2,300
	28-Apr-11	<0.500	2.38	467	2,140
	20-Jan-11	0.0147	<2.05	429	2,160
	24-Sep-10	0.0300	<10.0	432	1,500
	28-Jun-10	<0.5	<1.0	491	2,160
	5-Mar-10	0.05	<0.3	580	2,150
	15-Jan-10	<0.03	<0.3	500	2,250
	14-Sep-09	<0.03	<0.3	530	2,055
	2-Jun-09	0.04	0.7	540	2,205
	15-Mar-09	0.07	0.2	630	2,400

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	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
833-02	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	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
833-04	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	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
833-06	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	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
833-08	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	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
833-10	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	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
257-02	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	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
257/260-01	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

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)
McAnally Enterprises					
MW-4	13-Mar-09	3.5	<0.5	2,110	5,686
NMWQCC Standard		**10**	**NA**	**250**	**1,000**
Existing Conditions - Central*		**NA**	**NA**	**1,781**	**5,328**
Southern Area					
Del Oro Dairy					
692-01	22-Dec-15	Well 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	24-Feb-16	140	<1.18	990	3,480
	2-Dec-15	134	2.24	967	3,500
	31-Aug-15	140	4.90	995	3,660
	26-May-15	140	4.20	973	3,430
	3-Mar-15	142	2.10	963	3,640
	2-Dec-14	147	<1.80	974	3,430
	27-Aug-14	132	2.80	909	3,510
	30-May-14	128	4.20	906	3,370
	7-Mar-14	129	<1.66	912	3,420
	3-Dec-13	108	2.80	906	3,520
	4-Sep-13	120	2.80	925	3,600
	23-May-13	47.8	<1.66	742	2,720
	27-Feb-13	3.37	<1.72	396	1,520
	30-Nov-12	<0.0290	<1.72	358	1,450
	20-Aug-12	1.72	<1.72	371	1,460
	8-May-12	1.75	<1.72	339	1,350
	17-Feb-12	2.55	<2.17	410	1,490
	31-Oct-11	4.69	<2.17	451	1,720
	29-Jul-11	24.1	<2.17	504	2,280
	27-Apr-11	92.3	<10.0	921	3,080
	26-Jan-11	47.2	3.64	706	2,490
	1-Oct-10	Not Sampled			
	30-Jun-10	140	<5.0	1,100	3,520
	30-Mar-10	107.5	1	1,320	3,861
	8-Dec-09	96	1	1,200	4,073
	12-Aug-09	66	3	1,140	4,317
	4-May-09	52	1	1,100	3,337
692-03	30-Mar-10	Plugged and Abandoned			
	4-May-09				
692-04	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	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
692-06	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	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
692-08	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	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 - Southern*		**NA**	**NA**	**503**	**2,552**

NOTES:
* Existing conditions were calculated based on March 2009 through February 2016 data. See Appendix J.
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-00457 (Irrigation well)	unknown	240	1000	24	12	15-Mar-16	6.31	<1.18	1,080	3,210	567
				20 days/mo		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				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-952	unknown	200	300	9	12	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
Buena Vista Dairy I											
LRG-05117	unknown	250				6-May-09	13	<2.0	1,000	2,900	NS
Bright Star Dairy											
LRG-00953	unkown	300	300	9	12	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	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
Dominguez											
LRG-00591-S	150-250	250	280	15	12	15-Mar-16	9.83	<1.18	633	2,120	NS
LRG-00591-S-2	185-245	245									
LRG-00591-S	150-250	250				9-Nov-11	NS	NS	NS	NS	232
LRG-00591-S-2	185-245	245									
LRG-00591-S	150-250	250				5-May-09	3.0	<1.0	520	1,700	NS
LRG-00591-S-2	185-245	245									
LRG-00590-S-6 (Irrigation well)	unkown	234	1500	24	8 months 16 days/month	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	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
CENTRAL AREA											
Buena Vista Dairy II											
LRG-01876	unkown	335	250	10.5	12	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
River Valley Dairy											
LRG-524-S-2	160-360	360	300	14	12	3-Mar-16	<0.305	3.36	449	1,560	NS
						2-Nov-11	NS	NS	NS	NS	192
						14-May-09	<2.0	<1.0	370	1,400	NS
Big Sky Dairy											
LRG-4116	unkown	120	300	12	12	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	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				2-Mar-16	Well not sampled; well not in use				
Desert Land - LRG-3348-B	360-380	380	300	5	12	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
SOUTHERN AREA											
Del Oro Dairy											
LRG-5820	unkown	200	300	0.25	12	3-Mar-16	<0.305	<1.18	404	1,260	NS
LRG-5820-S	unkown	250	150	1.5	12						
LRG-5820-S-2	220-300	300	300	6	12						
LRG-5820	unkown	200				31-Oct-11	NS	NS	NS	NS	184
LRG-5820-S	unkown	250									
LRG-5820-S-2	220-300	300									
LRG-5820	unkown	200				12-May-09	<2.0	<1.0	380	1,200	NS
LRG-5820-S	unkown	250									
LRG-5820-S-2	220-300	300									
NMWQCC Standard							**10**	**NA**	**250**	**1,000**	**600**

NOTES:

feet bgs = feet below ground surface
mg/l = milligrams per liter
NA = Not applicable
ND = Non detect

NMWQCC = New Mexico Water Quality Control
NS = Not sampled
TDS = Total Dissolved Solids
TKN = Total Kjeldahl Nitrogen

Highlight is at or above NMWQCC Standard

TABLE 7. SUMMARY OF COMPOUND SPECIFIC ISOTOPE ANALYSIS AND TOTAL ORGANIC CARBON
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

Monitoring Well	Date	$\delta^{15}N$ (unitless)	$\delta^{18}O$ (unitless)	TOC (mg/L)
NORTHERN AREA				
Mountain View Dairy				
70-02	16-Dec-2015	17.38	11.56	2.7
Former D&J Dairy (Dominguez 2)				
42-03	21-Dec-2015	13.67	4.57	3.2
42-06	15-Mar-2016	17.51	8.15	6.8
Dominguez Dairy				
624-06	Dry not sampled			
Gonzalez Dairy				
177-05	16-Dec-2015	8.99	-3.06	3.5
177-07R	16-Dec-2015	12.15	-0.47	3.0
CENTRAL AREA				
River Valley Dairy				
167-04	15-Dec-2015	12.83	5.30	2.4
167-07	15-Dec-2015	U	U	2.9
Big Sky Dairy				
833-02	16-Dec-2015	9.10	-0.77	2.8
833-09	16-Dec-2015	14.41	3.71	6.3
Sunset/Desert Land Dairy				
257-01	15-Dec-2015	13.72	7.82	3.1
257-02	15-Dec-2015	10.20	-3.48	5.5
SOUTHERN AREA				
Del Oro Dairy				
692-02	17-Dec-2015	16.01	6.05	5.8
ABATEMENT PLAN MONITOR WELLS				
DAD-09	16-Dec-2015	10.80	3.76	<1.0
DAD-14	16-Dec-2015	12.59	-2.41	2.2
DAD-23	21-Dec-2015	20.45	0.38	2.6
DAD-25	21-Dec-2015	12.34	0.13	14.6

NOTES:
$\delta^{18}O$ = Oxygen-18
$\delta^{15}N$ = Nitrate-15
L = liter
mg = milligrams
NS = Not Sampled
TOC = Total Organic Carbon
U = Reliable isotope ratios not obtainable due to low nitrate concentrations.

TABLE 8. SUMMARY OF TREND ANALYSES 2009 - 2016
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	Stable	Stable	
70/86/340-01	Decreasing	Increasing	Increasing	Concentrations expected to decrease as LAA is phased out.
86/340-01	Increasing	Stable	Stable	Concentrations expected to decrease as LAA is phased out.
Organ Dairy (Former Del Norte Dairy) (DP-126)				
126-04	Increasing	Increasing	Increasing	Chloride and TDS concentration below upgradient conditions. Nitrate is expected to stablize over time now that lagoon is synthetically lined.
126-05	Stable	Increasing	Increasing	Well is not located along the margins of the abatement plan area. Nitrate is stable and chloride is below existing conditions. Chloride and TDS expected to stablize now that lagoon is synthetically lined.
126-07	Increasing	Decreasing	Stable	Well is not located along the margins of the abagement plan area. Nitrate is expected to stabilize now that lagoon is synthetically lined.
126-09	Decreasing	Decreasing	Decreasing	
126-12	Stable	Decreasing	Stable	
126-13	Increasing	Stable	Increasing	Well is not located along the margins of the abatement plan area. Chloride and TDS are below existing conditions. Concentrations of nitrate and TDS expected to stablize now that lagoon is synthetically lined.
Mountain View Dairy (DP-70)				
70-01	Increasing	Stable	Increasing	Well is not located along the margins of the abatement plan area. Chloride is stable and Nitrate and TDS are expected to stablize now that lagoon is synthetically lined.
70-02	Stable	Decreasing	Increasing	Well is not located along the margins of the abatement plan area. TDS is expected to stablize now that lagoon is synthetically lined.
70-04	Increasing	Stable	Stable	Well is not located along the margins of the abatement plan area. Nitrate is expected to stablize now that lagoon is synthetically lined.
Bright Star Dairy (DP-340)				
340-01	Increasing	Stable	Increasing	Well is located downgradient from former Buena Vista Dairy 1, concentrations are expected to decrease since the Dairy is no longer in use. TDS is below existing conditions.
340-02	Stable	Stable	Stable	
Dominguez 2 Dairy (DP-42)				
42-02	Decreasing	Increasing	Increasing	TDS and Chloride concentration are below existing conditions.
42-03	Increasing	Decreasing	Decreasing	Well located along the margin of the abatement area, will monitor well as part of performance assessment. Nitrate expected to decrease as chloride and TDS have since waste water lagoon and LAA have been removed. TDS and Chloride are above existing conditions; however, they both have decreasing trends.
42-06	Stable	Decreasing	Decreasing	Chloride and TDS are decreasing. Nitrate has stablized now that lagoon is synthetically lined.
42-07	Stable	Decreasing	Stable	Has been dry since 2012.
42-08	Decreasing	Decreasing	Decreasing	Has been dry last two quarters.
42-09	Stable	Increasing	Stable	Chloride is below existing conditions.
42-10	Stable	Stable	Stable	
42-11	Stable	Stable	Stable	
42-12	Increasing	Stable	Decreasing	Nitrate well below the standard.
42-13	Stable	Decreasing	Decreasing	Water level below the permanent pump in the well for last two quarters.

TABLE 8. SUMMARY OF TREND ANALYSES 2009 - 2016
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	Stable	
624-02	Stable	Decreasing	Decreasing	
624-04	Decreasing	Stable	Stable	Well has been dry since 2011.
624-05	Decreasing	Stable	Decreasing	Well has been dry since 2013.
624-06	Stable	Stable	Stable	Well has been dry since 2013.
624-07	Decreasing	Decreasing	Decreasing	Well has been dry since 2011.
624-08	Stable	Stable	Stable	Well has been dry since 2011.
Gonzalez Dairy (DP-177)				
177-01	Stable	Increasing	Increasing	Above existing conditions for TDS and Chloride. Well is not located within margins of abatement area.
177-02	Decreasing	Decreasing	Decreasing	
177-03A	Stable	Stable	Stable	
177-04	Decreasing	Stable	Stable	
177-05	Decreasing	Increasing	Increasing	Above existing conditions for TDS and Chloride. Well is not located within margins of abatement area.
177-06	Decreasing	Stable	Increasing	Well has been dry since 2014.
177-07R	Increasing	Stable	Stable	Nitrate is increasing.
Abatement Plan Monitor Wells				
DAD-01	Stable	Stable	Stable	
DAD-02	Stable	Increasing	Decreasing	Chloride is below existing conditions.
DAD-11	Increasing	Increasing	Increasing	Vertical delineation well.
DAD-12	Stable	Increasing	Stable	Chloride is increasing however below existing conditions.
DAD-13	Increasing	Increasing	Increasing	Nitrate this quarter is just above standard. Chloride and TDS are below existing conditions. Is on edge of abatement plan area so will continue to monitor.
DAD-14	Stable	Increasing	Stable	Well located along the margin of the abatement area, will monitor well as part of performance assessment. Since previous tend analysis - only chloride has an increasing trend. Nitrate and TDS has stabalized.
CENTRAL AREA				
Buena Vista Diary II (DP-74)				
74-01	Stable	Increasing	Stable	Nitrate and TDS are stable. Chloride is below existing conditions. Chloide expected to stablize now that lagoon is synthetically lined.
74-02	Stable	Decreasing	Decreasing	
74-03	Decreasing	Decreasing	Decreasing	
74-04	Stable	Increasing	Increasing	Chloride and TDS are below existing conditions.
74-05	Stable	Stable	Stable	
River Valley Dairy (DP-167)				
167-01	Stable	Stable	Stable	Not part of sampling regimen.
167-01A	Decreasing	Decreasing	Decreasing	
167-02	Stable	Decreasing	Decreasing	
167-03	Decreasing	Decreasing	Decreasing	
167-04	Increasing	Decreasing	Decreasing	Nitrate concentration increasing, but well is not located along the margin of the abatement plan area.
167-05	Stable	Decreasing	Stable	
167-06	Decreasing	Decreasing	Stable	
167-07	Stable	Decreasing	Stable	
167-08	Decreasing	Stable	Stable	
167-09	Stable	Stable	Stable	

TABLE 8. SUMMARY OF TREND ANALYSES 2009 - 2016
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

Monitoring Well	Groundwater Concentration Trend			Comments
	Nitrate	Chloride	TDS	
Big Sky Dairy (DP-833)				
833-01	Stable	Stable	Stable	Dry since 2011
833-02	Stable	Stable	Stable	
833-03	Stable	Stable	Stable	Dry since 2011
833-04	Stable	Stable	Stable	
833-05	Increasing	Decreasing	Decreasing	Nitrate expected to stabalize now that lagoon has been lined.
833-06	Stable	Stable	Stable	
833-07	Stable	Stable	Increasing	Nitrate and chloride are stable and TDS concentration below existing conditions and expected to stablize now that lagoon is synthetically lined. Well is not located along the margins of the abatement plan area.
833-08	Stable	Stable	Stable	
833-09	Increasing	Stable	Stable	Chloride and TDS are stable. Nitrate expected to stablize now that lagoon is synthetically lined. Well is not located along the margins of the abatement plan area.
833-10	Stable	Stable	Stable	
Sunset/Desert Land Dairy (DP-257)				
257-01	Stable	Stable	Stable	
257-02	Decreasing	Increasing	Increasing	Chloride and TDS are below existing conditions.
257-03	Stable	Decreasing	Stable	
257/260-01	Stable	Stable	Stable	
Abatement Plan Monitor Wells				
DAD-03	Stable	Decreasing	Decreasing	
DAD-04	Stable	Decreasing	Decreasing	
DAD-05	Increasing	Decreasing	Stable	Nitrate below standard.
DAD-06	Stable	Stable	Increasing	Dry since 2013
DAD-07	Increasing	Stable	Stable	Nitrate below standard.
DAD-08	Increasing	Increasing	Stable	Irrigation well has not been in use for two years, nitrate concentrations expected to decrease. Chloride and TDS are above existing conditions. Well located along the margin of the abatement area, will monitor well as part of performance assessment.
DAD-15	Stable	Increasing	Stable	Chloride is below existing conditions.
DAD-16	Stable	Increasing	Stable	Chloride is below existing conditions.
DAD-17	Stable	Stable	Stable	
DAD-18	Stable	Increasing	Increasing	Vertical delineation well. Chloride and TDS below existing conditions.
DAD-19	Decreasing	Increasing	Stable	Vertical delineation well. Chloride is below existing conditions.
SOUTHERN AREA - PERCHED AQUIFER				
Del Oro Dairy (DP-692)				
692-01	Decreasing	Decreasing	Decreasing	Plugged and Abandoned
692-02	Increasing	Stable	Stable	Well is located on edge of abatement area. Will monitor as part of performance assessment.
692-04	Stable	Stable	Stable	
ABATEMENT PLAN MONITOR WELLS				
DAD-09	Decreasing	Stable	Stable	
DAD-20	Stable	Increasing	Stable	Chloride above existing conditions.
DAD-21	Stable	Increasing	Increasing	TDS is below existing conditions and Chloride is above existing conditions.
DAD-22	Decreasing	Increasing	Stable	Chloride is above existing conditions.

TABLE 8. SUMMARY OF TREND ANALYSES 2009 - 2016
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

Monitoring Well	Groundwater Concentration Trend			Comments
	Nitrate	Chloride	TDS	
SOUTHERN AREA - REGIONAL AQUIFER				
Del Oro Dairy (DP-692)				
692-05	Increasing	Stable	Stable	Nitrate is below standards.
692-06	Stable	Stable	Decreasing	
692-07	Decreasing	Stable	Decreasing	
692-08	Stable	Stable	Decreasing	
692-09	Decreasing	Stable	Decreasing	
Abatement Plan Monitor Wells				
DAD-10	Increasing	Increasing	Increasing	Nitrate concentration is at 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 9. CALCULATED GROUNDWATER PLUME AREAS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

Concentration Range (mg/L)	Calculated Plume Area (Acres)*
	2016
NORTHERN AREA	
Nitrate	
10-30	3,848
30-70	303
>70	12.9
Chloride	
1,015-2,000	1,557
2,000-3,000	68.3
>3,000	0.88
TDS	
3,178-4,000	1,740
4,000-6,000	553
>6,000	28.6
CENTRAL AREA	
Nitrate	
10-30	1,212
30-70	687
70-100	75.2
>100	14.7
Chloride	
1,781-1,800	2.91
1,800-1,900	10.1
>1,900	2.26
TDS	
5,328-5,500	6.62
>5,500	2.79
SOUTHERN AREA - PERCHED AQUIFER	
Nitrate	
10-30	60.1
30-70	35.0
70-100	12.6
>100	5.25
Chloride	
503-600	41.1
600-700	41.5
700-800	50.2
800-900	82.9
>900	28.8
TDS	
2,552-2,700	29.6
2,700-3,000	25.1
3,000-3,300	8.9
>3,300	1.9

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

Concentration Range (mg/L)	Calculated Plume Area (Acres)*
	2016
SOUTHERN AREA - REGIONAL AQUIFER	
Nitrate	
10-30	0.17
Chloride	
503-600	35.7
>600	0.35
TDS	
>2,552	0.0

Notes:

* = Area was calculated based on results of interpolation by kriging performed using February 2016 data from abatement plan and discharge plan monitoring wells.

> = Greater than

mg/L = Milligrams per liter

TDS = Total dissolved solids

TABLE 10. IRRIGATION/SUPPLY WELL GROUNDWATER CAPTURE
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

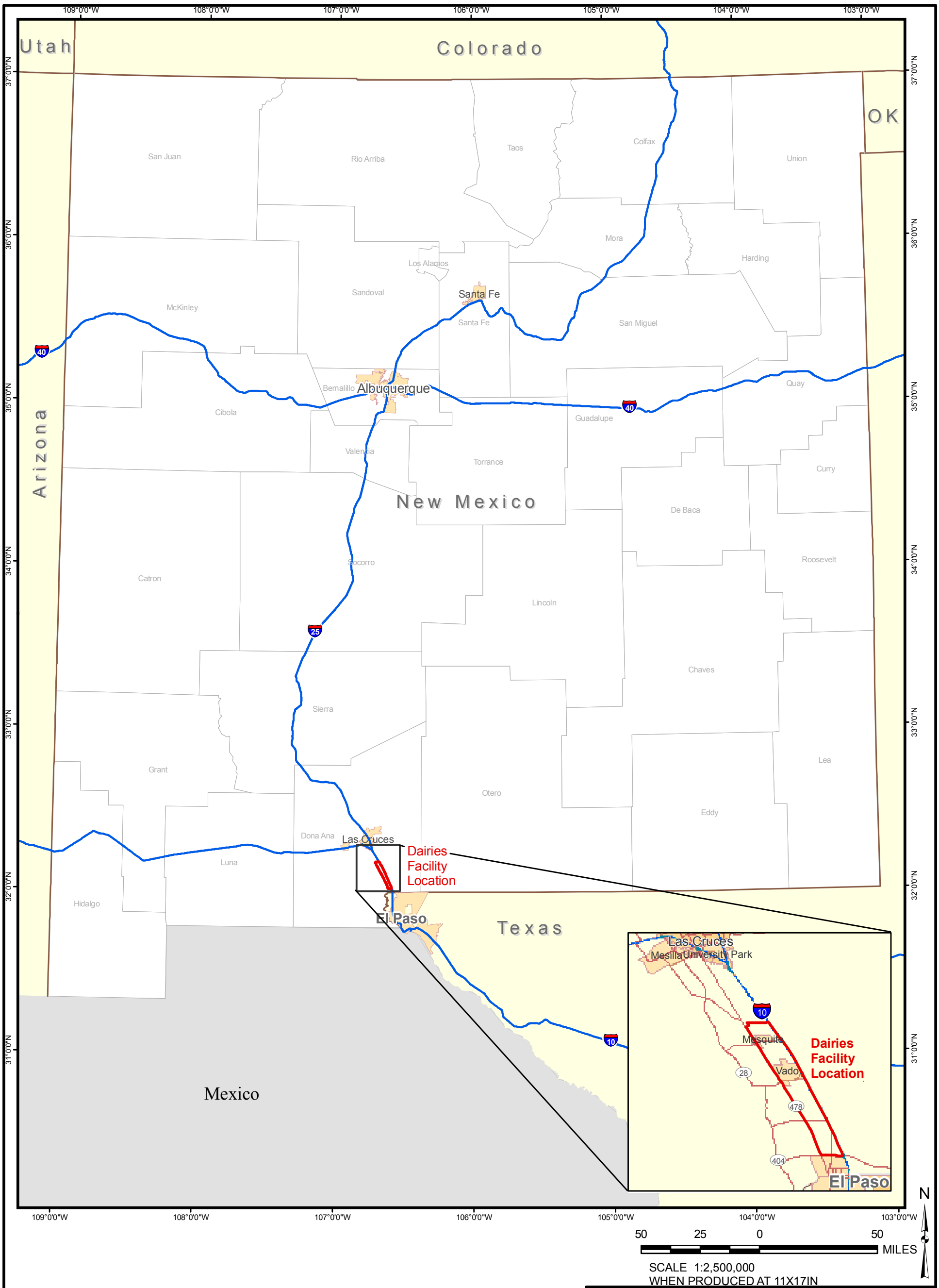
Office of State Engineer File Number	Preforated Interval (feet bgs)	Total Depth (feet bgs)	Bottom of Contamination[1] (feet bgs)	Pumping Rate (gpm)	Pumping Rate (ft^3/min)	Average Pumping Duration (hours/day)	Average Pumping Duration (days/year)	Depth to Water[2] (feet bgs)	Q_{avg} (ft^3/min)	b (feet)	b_{con} (feet)	i	Q_{pro}	$2Y_l$ (feet)	X_l (feet)
NORTHERN AREA															
Northern Land Application Area (Mountain View)															
LRG-00457	unknown	240	90	1000	133.681	24	240	50.22	88	189.78	39.78	0.001	1.84	4,977	792
Organ Dairy (Former Daybreak Dairy and Del Norte Dairy)															
LRG-458 S	260-300	300	118	300	40.104	8	365.25	78.58	13	221.42	39.42	0.001	0.24	649	103
Mountain View Dairy															
LRG-952	unkown	200	112	300	40.104	9	365.25	72.32	15	127.68	39.68	0.001	0.47	1,267	202
Bright Star Dairy															
LRG-00953	unkown	300	112	300	40.104	9	365.25	72.19	15	227.81	39.81	0.001	0.26	710	113
Former D&J Dairy (Dominguez 2)															
LRG-956	unknown	330	125	180	24.063	18	365.25	85.37	18	244.63	39.63	0.001	0.29	793	126
Dominguez															
LRG-00591-S	150-250	250	125	280	37.431	15	365.25	85.37	23	164.63	39.63	0.001	0.56	1,528	243
LRG-00591-S-2	185-245	245						85.37		164.63	39.63		0.56	1,528	243
LRG-00591-S	150-250	250						85.37		164.63	39.63		0.56	1,528	243
LRG-00590-S-6	unkown	234	126	1500	200.522	24	128	86.30	70	147.70	39.70	0.001	1.89	5,116	814
Gonzalez															
LRG-05351-S	204-263	263	117	125	16.710	24	365.25	77.42	17	185.58	39.58	0.001	0.36	968	154
CENTRAL AREA															
Buena Vista Dairy II															
LRG-01876	unkown	335	103	250	33.420	10.5	365.25	68.35	15	266.65	34.65	0.001	0.19	590	94
River Valley Dairy															
LRG-524-S-2	160-360	360	75	300	40.104	14	365.25	40.83	23	319.17	34.17	0.001	0.25	788	125
Big Sky Dairy															
LRG-4116	unkown	120	151	300	40.104	12	365.25	76.15	20	43.85	74.85	0.001	2.01	2,881	458
Sunset/Desert Land Dairy															
Sunset - LRG-3348-AS	340-380	380	87	300	40.104	9	365.25	52.64	15	327.36	34.36	0.001	0.16	494	79
LRG-314495-POD1 (Well next to DAD-08)	240-260	360	110	Well Not In Use											
Desert Land - LRG-3348-B	360-380	380	115	300	40.104	5	365.25	47.64	8	332.36	67.36	0.001	0.17	270	43

TABLE 10. IRRIGATION/SUPPLY WELL GROUNDWATER CAPTURE
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

Office of State Engineer File Number	Preforated Interval (feet bgs)	Total Depth (feet bgs)	Bottom of Contamination[1] (feet bgs)	Pumping Rate (gpm)	Pumping Rate (ft^3/min)	Average Pumping Duration (hours/day)	Average Pumping Duration (days/year)	Depth to Water[2] (feet bgs)	Q_{avg} (ft^3/min)	b (feet)	b_{con} (feet)	i	Q_{pro}	$2Y_l$ (feet)	X_l (feet)
SOUTHERN AREA															
Del Oro Dairy															
LRG-5820	unknown	200	-	300	40.104	0.25	365.25	77.52	0.42	122.48	20	0.001	0.01	37	6
LRG-5820-S	unknown	250	-	150	20.052	1.5	365.25	82.52	1.3	117.48	20		0.01	38	6
LRG-5820-S-2	220-300	300	-	300	40.104	6	365.25	82.52	10	117.48	20		0.01	38	6

NOTES:
gpm = Gallons per minute
feet bgs = Feet below ground surface
ft^3/min = Cubic feet per min (0.133681 ft^3 = 1 gallon)
b = Total depth - depth to water
b_{con} = Bottom of contamination - depth to water
Q_{avg} = Pumping rate averaged over 1 year
$Q_{pro} = 10\% \, Q_{avg}(b_{con}/b)$
X_l = Downgradient capture of pumping (ft)
$2Y_l$ = Capture width on each side (transverse to groundwater flow) of pumping well (ft)
[1] bottom of contamination is estimated from nearest vertical delineation well and adjusted for elevation differences
[2] depth to water is estimated from closest monitoring well and adjusted for elevation differences
Assumtions:
k = 0.0093 ft/min
i = 0.001 groundwater gradient across the dairies

FIGURES



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LEGEND:

Facility Boundary

REFERENCES
Base Data: ESRI, 2008.

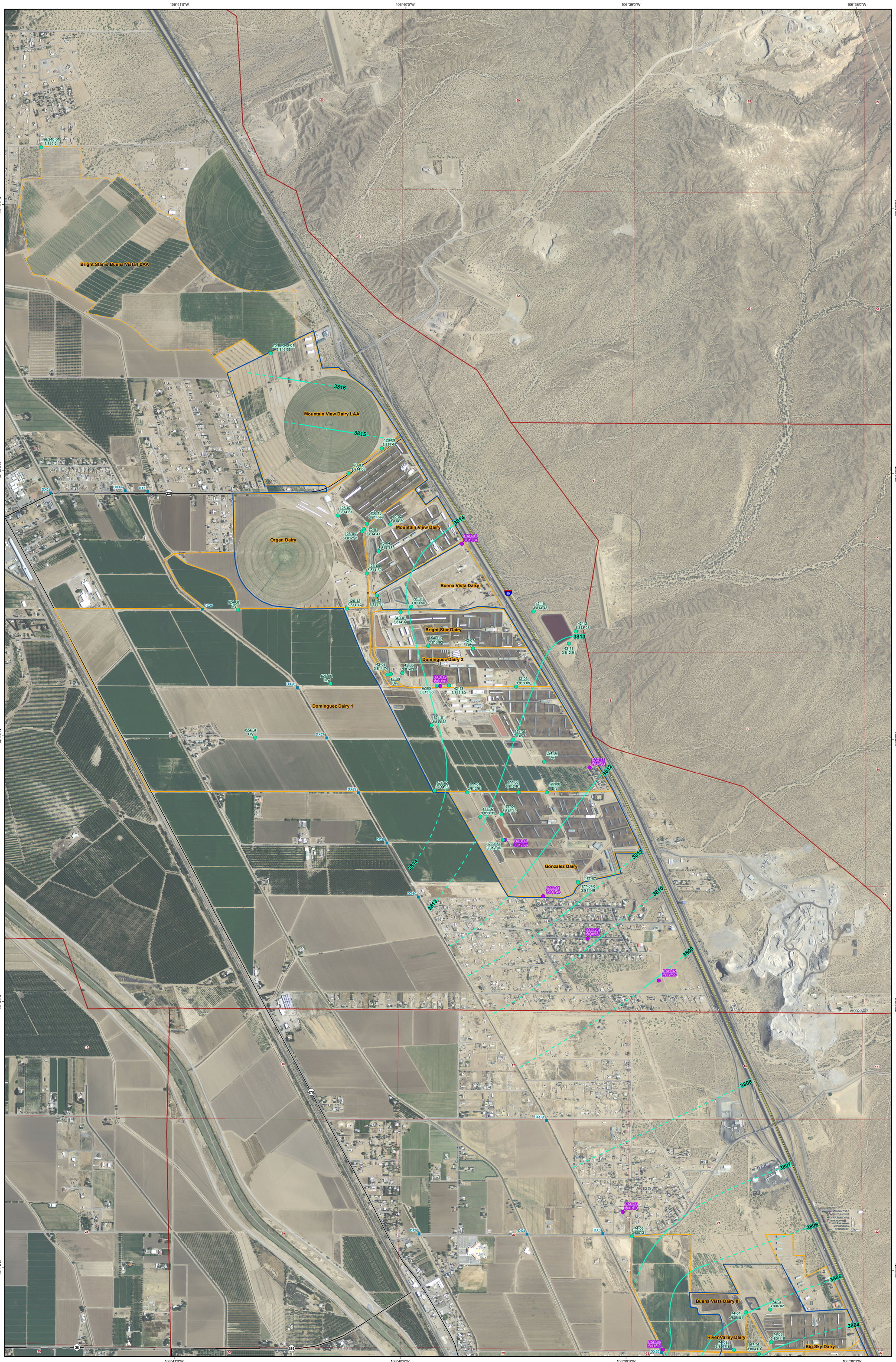
PROJECT

DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO

TITLE

SITE LOCATION MAP

PROJECT No.		11x17_siteloc.mxd
DESIGN		SCALE AS SHOWN REV 0
GIS		FIGURE 1
CHECK		
REVIEW		



LEGEND

- Drain Crossing Location
- Discharge Plan Well with Water Elevation
- Abatement Plan Well with Water Elevation
- 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

Note:
* = Well not used in contouring

REFERENCES

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

500 250 0 500 FEET
SCALE 1:9,000 1 " = 750 FT
WHEN PRODUCED AT 34X44IN

N

PROJECT
DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO

TITLE
POTENTIOMETRIC SURFACE MAP
FEBRUARY 2016, NORTHERN PORTION

PROJECT No. 1464103			Daires_north_pot.mxd
DESIGN	NA	SCALE AS SHOWN	REV 0
GIS	RMM		
CHECK			FIGURE 2
REVIEW			

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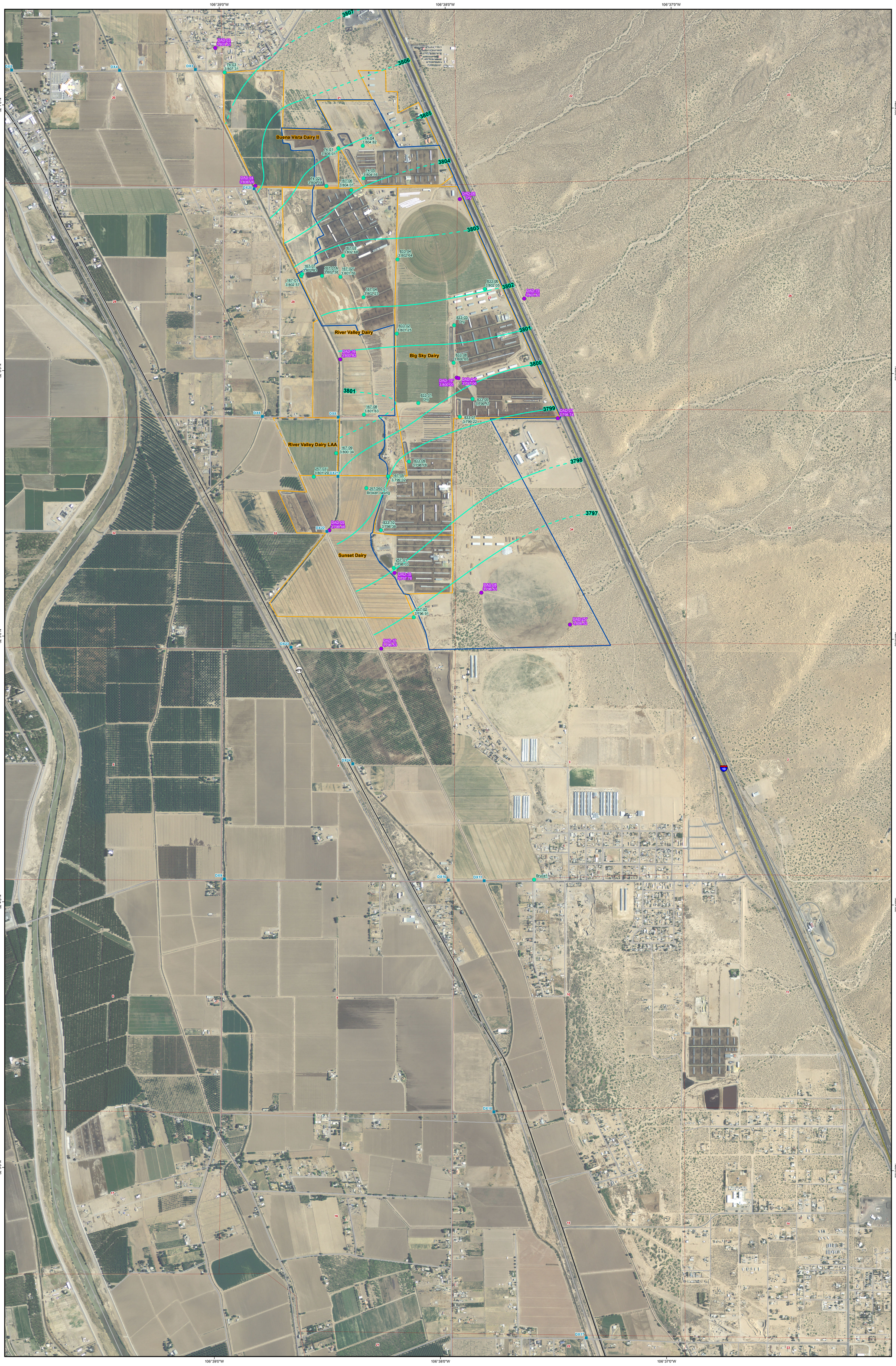

LEGEND

- Drain Crossing Location
- Discharge Plan Well With Water Elevations (Feet MSL)
- Abatement Plan Well With Water Elevations (Feet MSL)
- Potentiometric Contour
- Potentiometric Contour - Assumed
- Land Owned by Dairies
- Land Application on Non-Dairy Property
- Stage 2 Abatement Plan Area
- Public Land Survey System

Note:
* = Well not used in contouring

REFERENCES

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

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SCALE 1:9,000 1 " = 750 FT
WHEN PRODUCED AT 34X44IN

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PROJECT
DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO

TITLE
POTENTIOMETRIC SURFACE MAP
FEBRUARY 2016, CENTRAL PORTION

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REVIEW			

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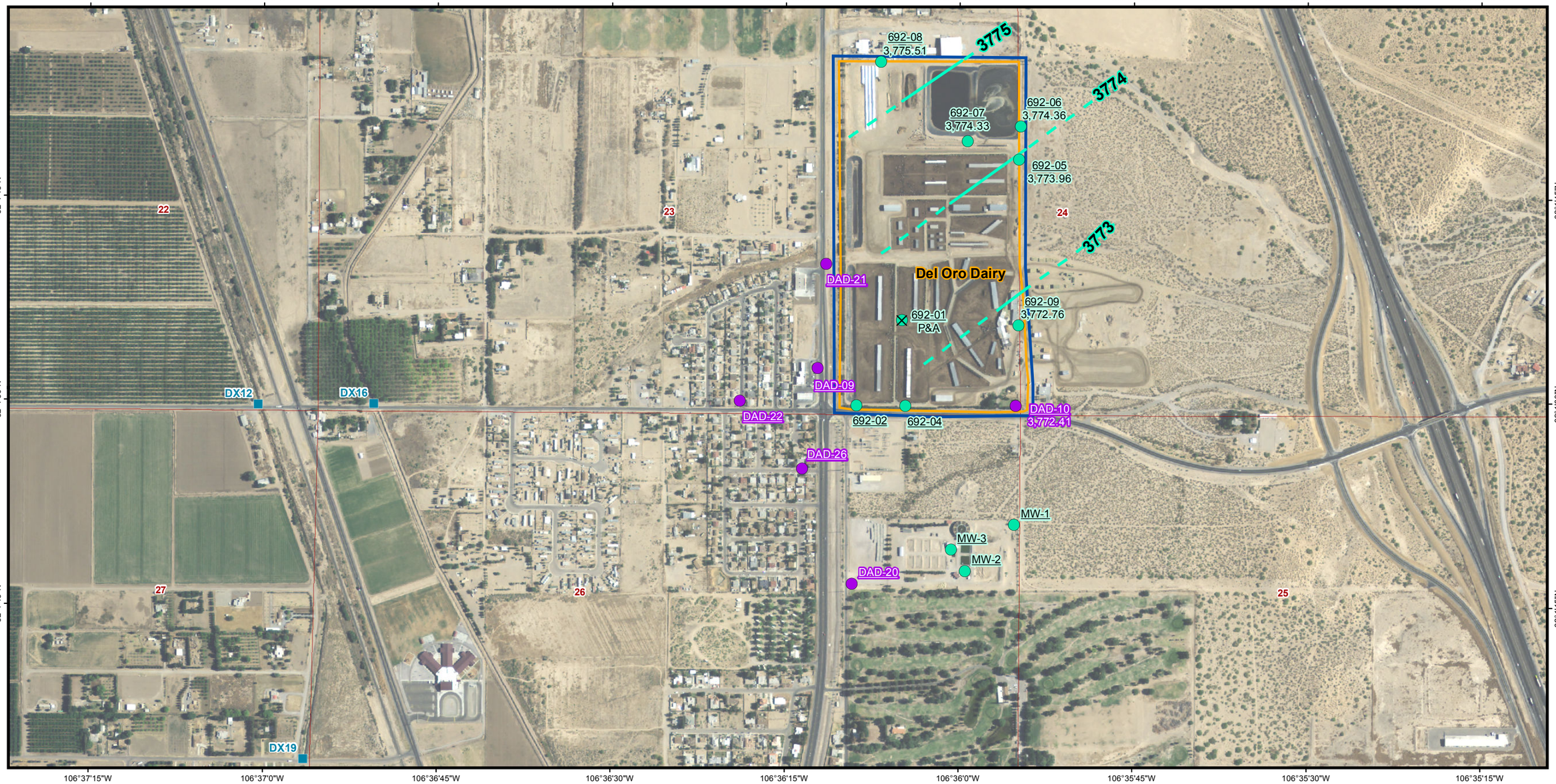

LEGEND:

- Drain Crossing Location
- Discharge Plan Well with Water Elevation (Feet Above Mean Sea Level)
- Abatement Plan Well With Water Elevations (Feet Above Mean Sea Level)
- Potentiometric Contour
- Potentiometric Contour - Assumed
- Land Owned by Dairies
- Stage 2 Abatement Plan Area
- Public Land Survey System

Note:
P&A = Plugged and Abandoned

400 200 0 400
FEET

SCALE 1:9,000 1 " = 750 FT
WHEN PRODUCED AT 11X17IN

N

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

PROJECT
DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO

TITLE
POTENTIOMETRIC SURFACE MAP
FEBRUARY 2016, SOUTHERN PORTION
REGIONAL AQUIFER

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REVIEW			

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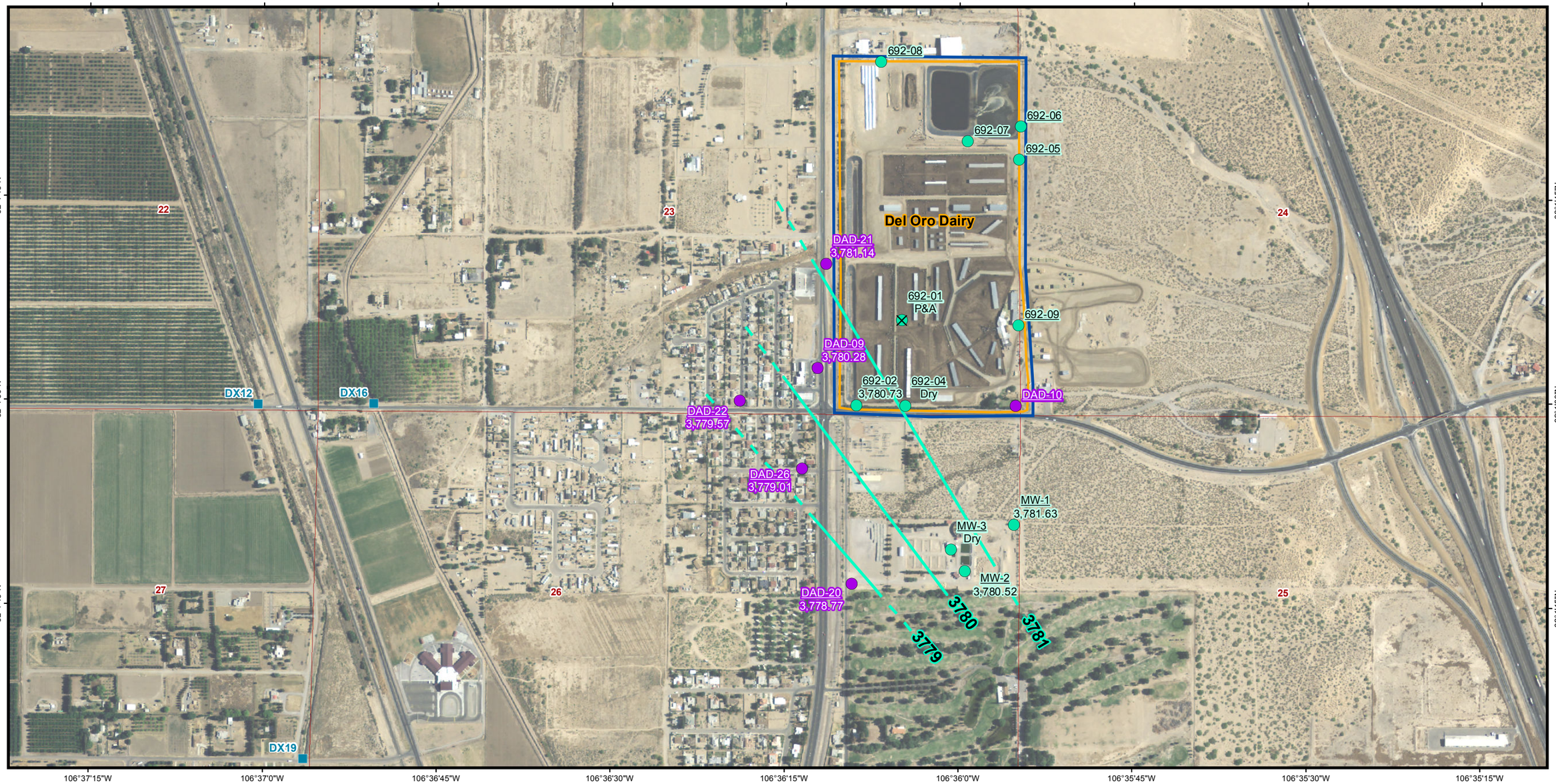


LEGEND:

- Drain Crossing Location
- Discharge Plan Well with Water Elevation (Feet MSL)
- Abatement Plan Well With Water Elevations (Feet MSL)
- Potentiometric Contour
- Potentiometric Contour - Assumed
- Land Owned by Dairies
- Stage 2 Abatement Plan Area
- Public Land Survey System

Note:
P&A = Plugged and Abandoned

400 200 0 400
FEET

SCALE 1:9,000 1 " = 750 FT
WHEN PRODUCED AT 11X17IN

N

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

PROJECT
DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO

TITLE
POTENTIOMETRIC SURFACE MAP
FEBRUARY 2016, SOUTHERN PORTION
PERCHED AQUIFER

PROJECT No. 1464103			Fig 5 SouthPerchAq_Pot.mxd
DESIGN	NA		SCALE AS SHOWN REV 0
GIS	RMM		FIGURE 5
CHECK			
REVIEW			

2016 -07-21 P:\gis\Projects\dona ana\Dallas_GIS\MXDs\201606_S2AbatementFig 5 SouthPerchAq_Pot_201602.mxd EA-Dallas rmullen

LEGEND:

- Abatement Plan Monitoring Well
- Discharge Plan Monitoring Well
- Dairy Irrigation/Supply 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

Notes:
Units are in milligrams per liter.

Cl = Chloride
NO_3 = Nitrate as N
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 0 500 FEET
SCALE 1:4,800 1 " = 400 FT
WHEN PRODUCED AT 34X44IN

N

PROJECT
DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO

TITLE
GROUNDWATER ANALYTICAL RESULTS
FEBRUARY/MARCH 2016
NORTHERN PORTION

PROJECT No. 1464103		Fig 6 Dairies_North_Analytical.mxd	
DESIGN	NA	SCALE AS SHOWN	REV 0
GIS	RMM		
CHECK		FIGURE 6	
REVIEW			

2016-02-21 P:\gis\Projects\dona ana\Dairies_GIS\MXDs\201605_S2AbatementFig 6 Dairies_North_analytical_201602_2.mxd EA-Dairies rmuhn

LEGEND:

- Abatement Plan Monitoring Well
- Discharge Plan Monitoring Well
- Dairy Irrigation/Supply 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

Notes:
Units are in milligrams per liter.

Cl = Chloride
NO_3 = Nitrate as N
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 0 500 FEET
SCALE 1:4,800 1" = 400 FT
WHEN PRODUCED AT 34X44IN

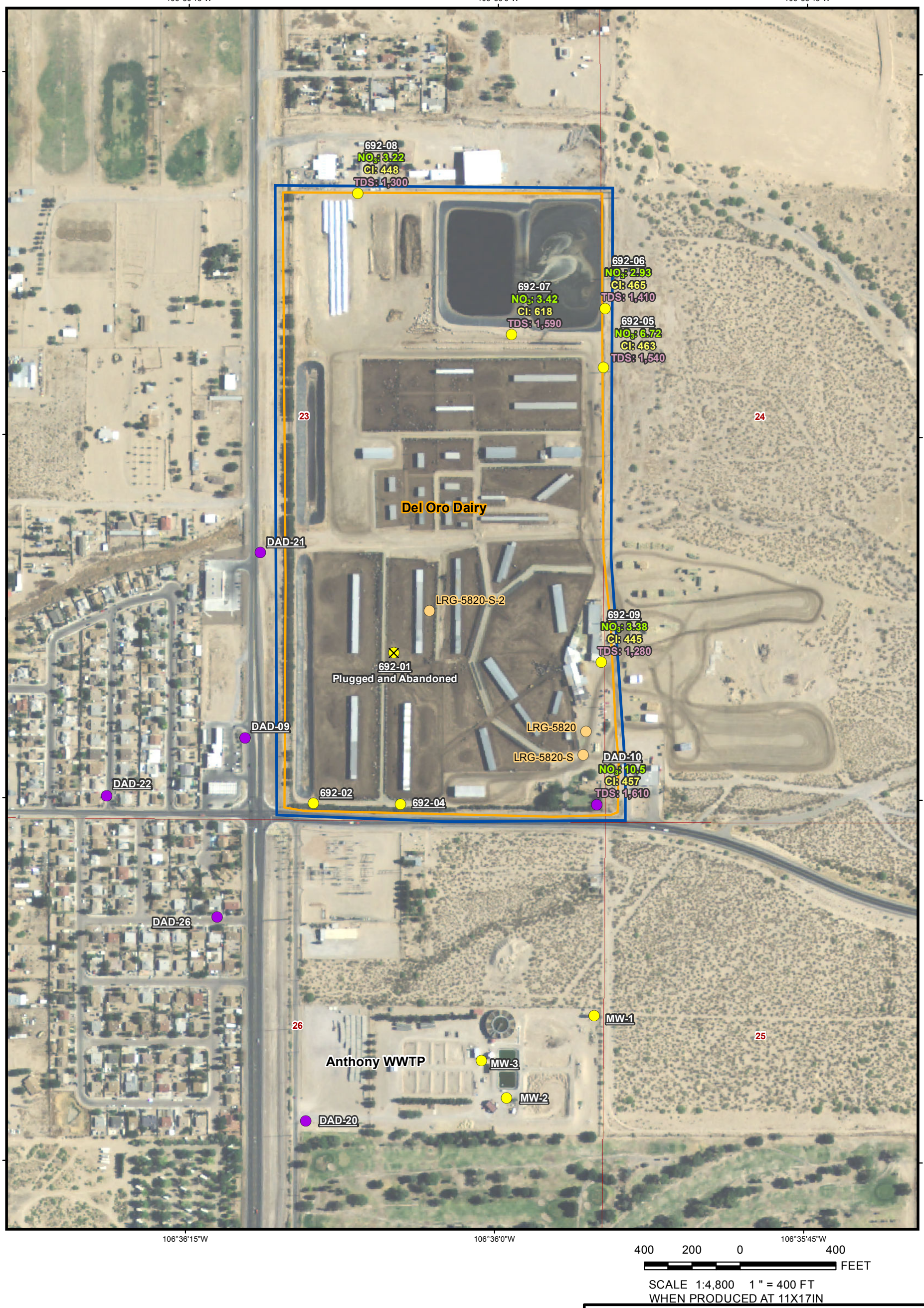
N

PROJECT
DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO

TITLE
GROUNDWATER ANALYTICAL RESULTS
FEBRUARY/MARCH 2016
CENTRAL PORTION

PROJECT No. 1464103			Fig 7 Dañas_Central_Analytical.mxd
DESIGN	NA	SCALE AS SHOWN	REV. 0
GIS	R&M	FIGURE 7	
CHECK			
REVIEW			

2016 07-21 P:\gis\Projects\doña ana\Dañas_GIS\MXDs\20160605_S2Abatement\Fig 7 Dañas_Central_Analytical_20160622.mxd EA Dañas mruhen



SCALE 1:4,800 1 " = 400 FT
WHEN PRODUCED AT 11X17IN

LEGEND:

- Abatement Plan Monitoring Well
- Discharge Plan Monitoring Well
- Dairy Irrigation/Supply Well
- Land Owned by Dairies
- Stage 2 Abatement Plan Area
- Public Land Survey System

Notes:
Units are in miligrams per liter.

Cl = Chloride
NO_3 = Nitrate as N
TDS = Total Dissolved Solids

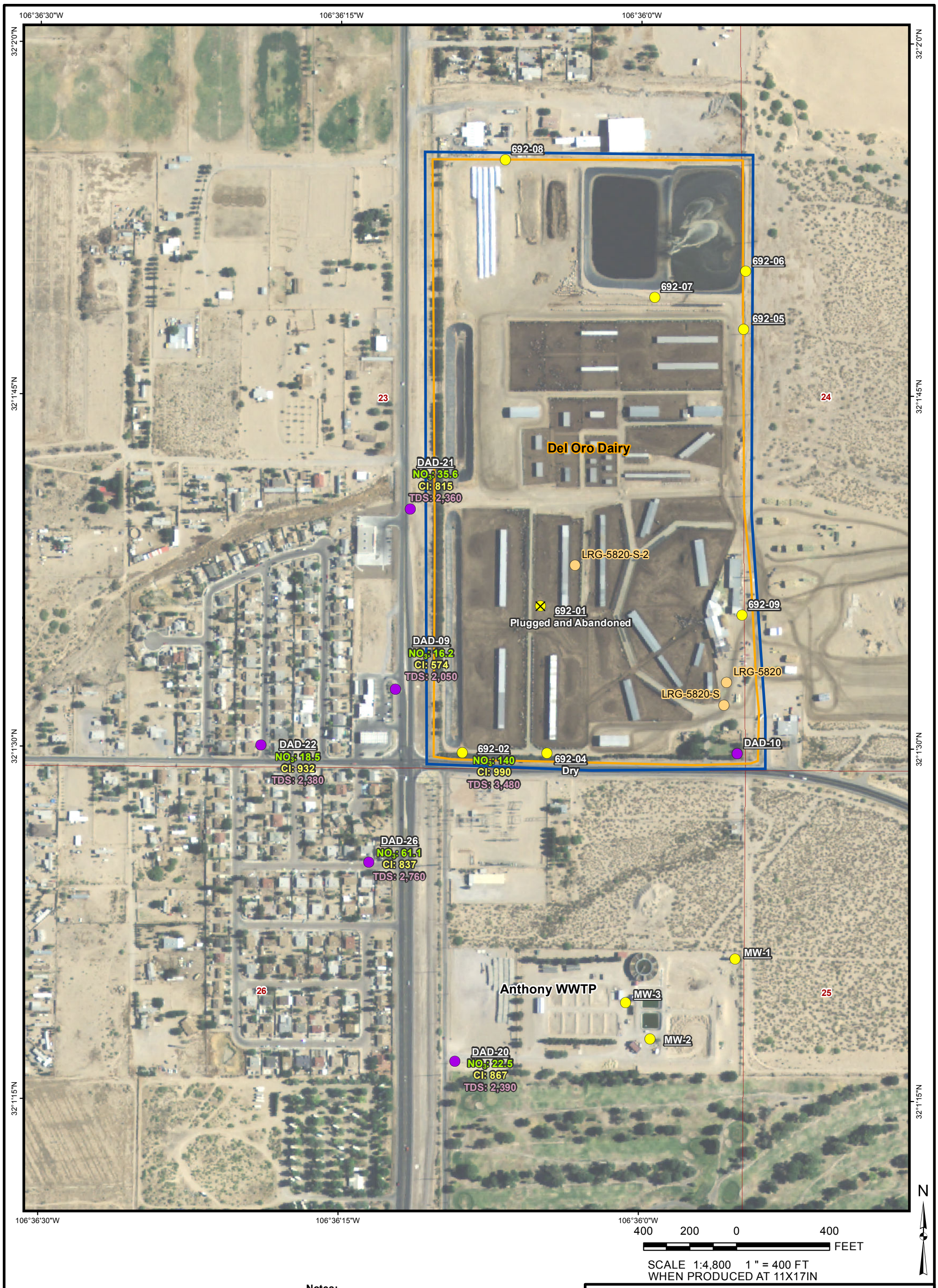
REFERENCES
Aerial Photography: NAIP, 2011
PLSS: BLM, 2000
Projection: State Plane NAD 83 New Mexico Central (feet)

PROJECT
DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO

TITLE **GROUNDWATER ANALYTICAL RESULTS**
FEBRUARY/MARCH 2016
SOUTHERN PORTION, REGIONAL AQUIFER

PROJECT No. 1464103.0006			Fig8SouthRegionAq_Analytical.mxd
DESIGN	NA		SCALE AS SHOWN REV 0
GIS	RM		FIGURE 8
CHECK			
REVIEW			

2016 -07-21 P:\gis\Projects\dona ana\Dallas_GIS\MXDs\201606_S2Abatement\Fig 8 SouthRegionAq_Analytical_201602.mxd EA-Dallas rmullen



LEGEND:

- Abatement Plan Monitoring Well
- Discharge Plan Monitoring Well
- Dairy Irrigation/Supply Well
- Land Owned by Dairies
- Stage 2 Abatement Plan Area
- Public Land Survey System

Notes:
Units are in milligrams per liter.
Dashed line indicates estimated concentration.

Cl = Chloride
mg/L = Milligram(s) per liter
NO_3 = Nitrate as N
TDS = Total Dissolved Solids

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

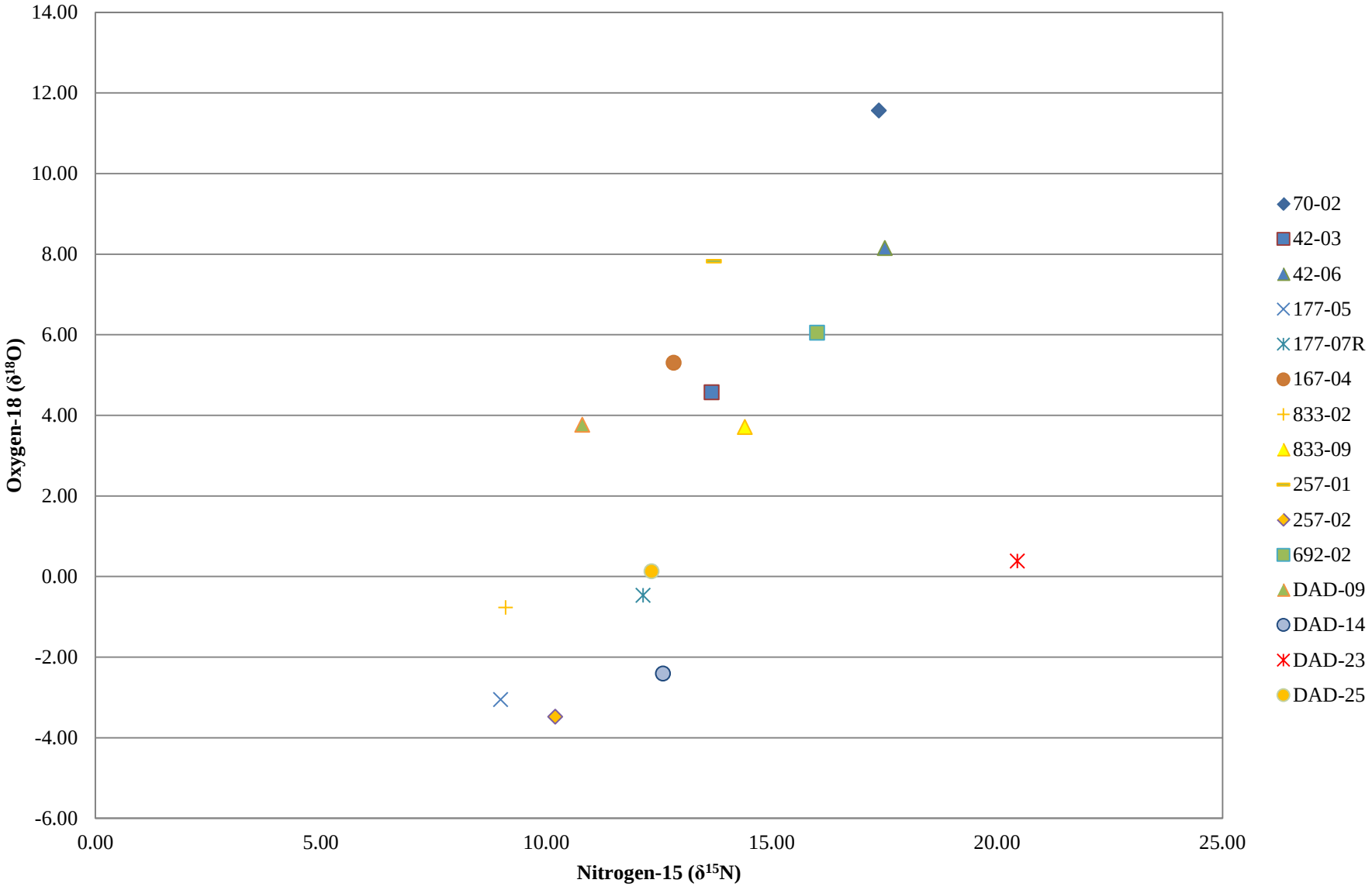
PROJECT
DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO

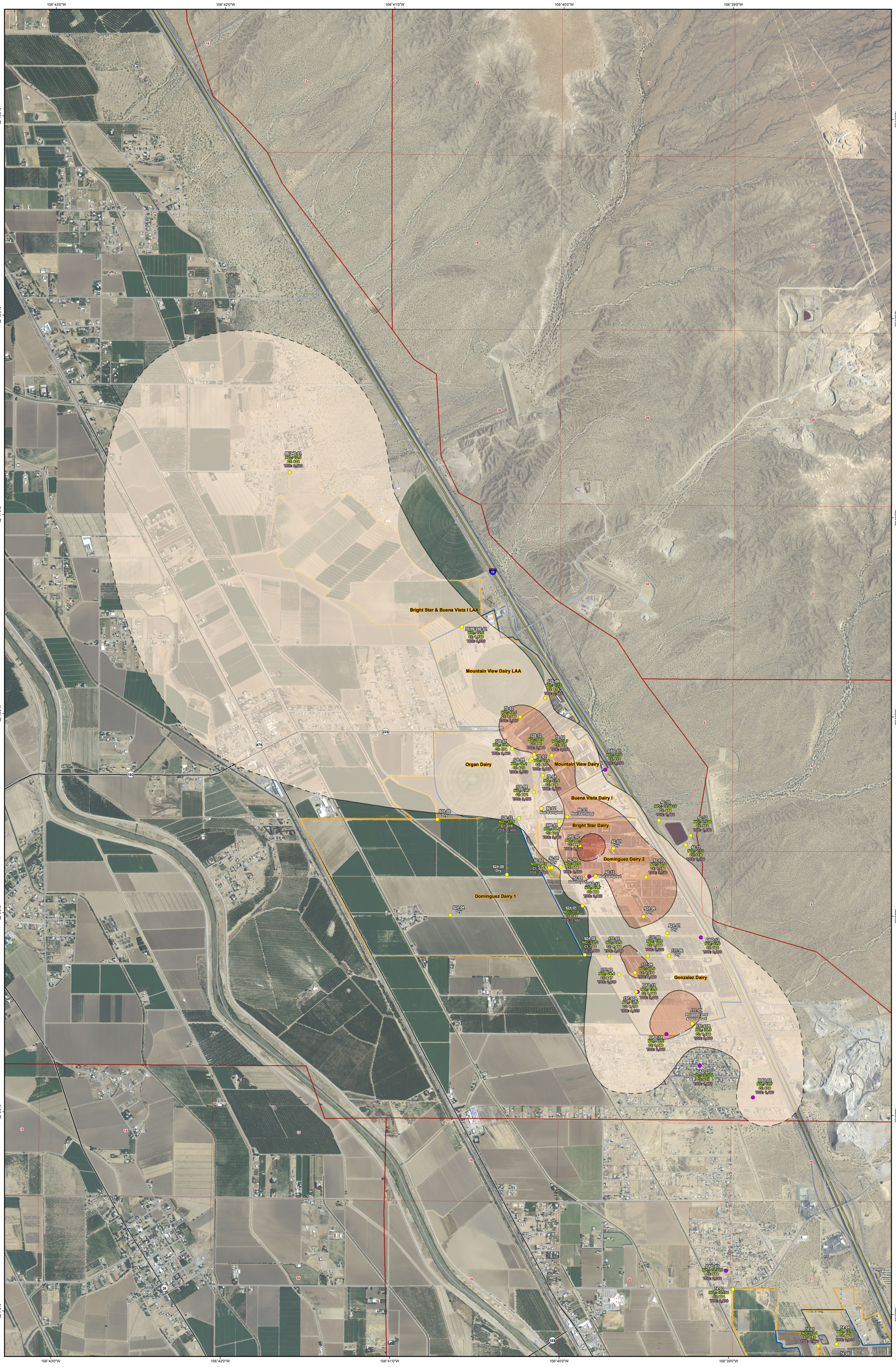
TITLE
GROUNDWATER ANALYTICAL RESULTS
FEBRUARY/MARCH 2016
SOUTHERN PORTION, PERCHED AQUIFER

PROJECT No. 1464103.0006			deloro_analytical_perched200908.mxd
DESIGN	NA		SCALE AS SHOWN REV 0
GIS	RM		FIGURE 9
CHECK			
REVIEW			

2016-07-21 P:\gis\Projects\dona ana\Dallas_GIS\MXDs\201606_S2Abatement\Fig 9 SouthPerchAq_Analytical_201602.mxd EA-Dallas rmullen

FIGURE 10
DUAL-ISOTOPE ANALYSIS OF NORTHERN, CENTRAL, AND SOUTHERN AREAS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO





LEGEND:

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

Nitrate Concentration (mg/L)

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

Notes:
Units are in milligrams per liter.
Dashed line indicates manually adjusted isopleth.

Cl = Chloride
mg/L = Milligrams per liter
NO_3 = Nitrate as N
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 0 500
FEET
SCALE 1:12,000 1" = 1,000 FT
WHEN PRODUCED AT 34X44IN

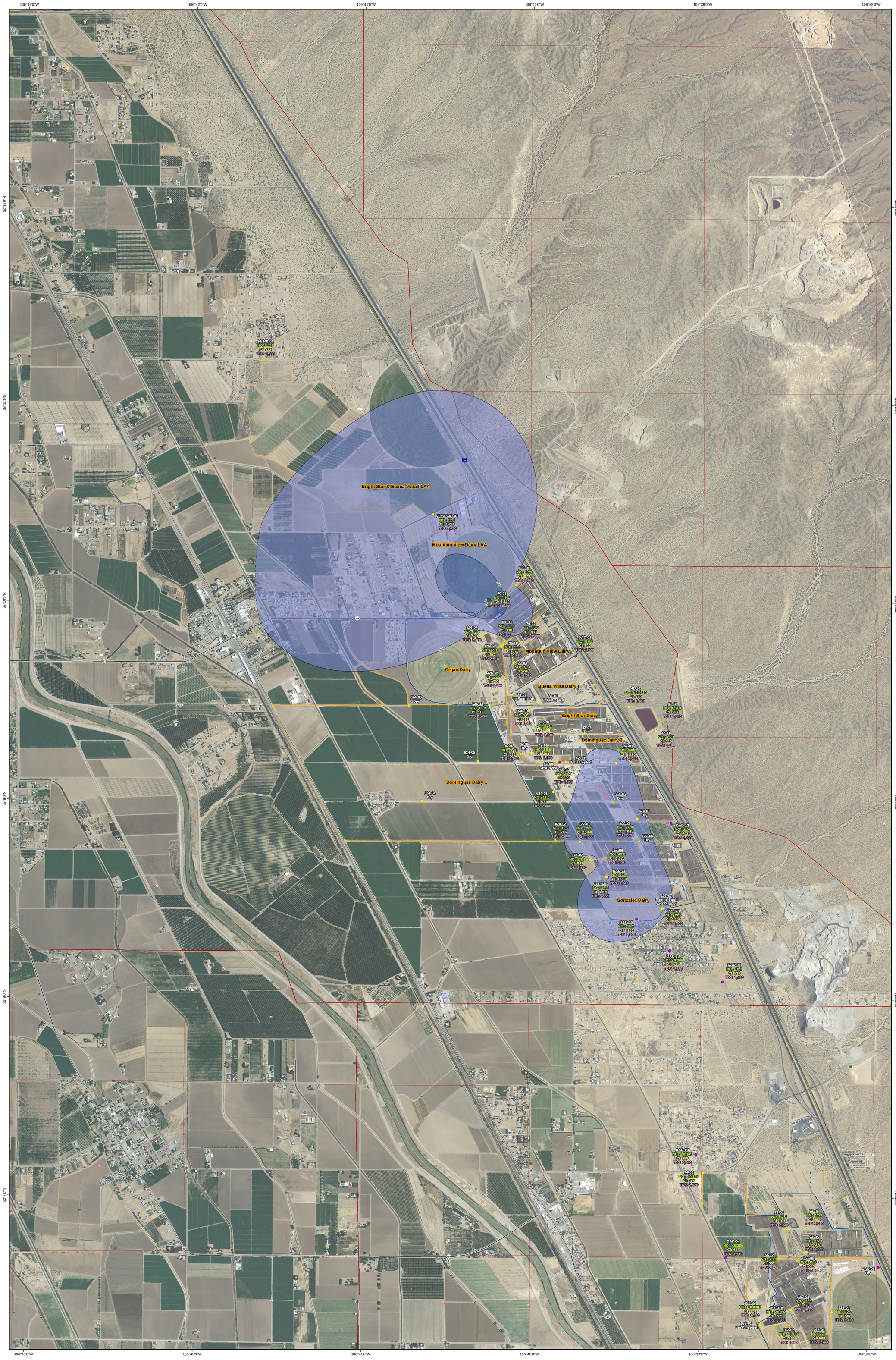
N

PROJECT
DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO

TITLE
NITRATE DISTRIBUTION IN GROUNDWATER
FEBRUARY/MARCH 2016
NORTHERN PORTION

PROJECT No. 1464103			Fig_11_Dairies_North_Nitrate.mxd
DESIGN	NA		SCALE AS SHOWN REV. 0
GIS	RMM		FIGURE 11
CHECK			
REVIEW			

2016 -07-19 P:\gis\Projects\dona ana\Data_GIS\MXDs\201605_S2Abatement\Fig_11_Dairies_North_nitrate2.mxd EA-Dallas m.olsen



LEGEND:

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

Chloride Concentration (mg/L)

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

Notes:
Units are in milligrams per liter.
Dashed line indicates manually adjusted isopleth.

Cl = Chloride
mg/L = Milligrams per liter
NO_3 = Nitrate as N
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 0 500
FEET
SCALE 1:12,000 1" = 1,000 FT
WHEN PRODUCED AT 34X44IN

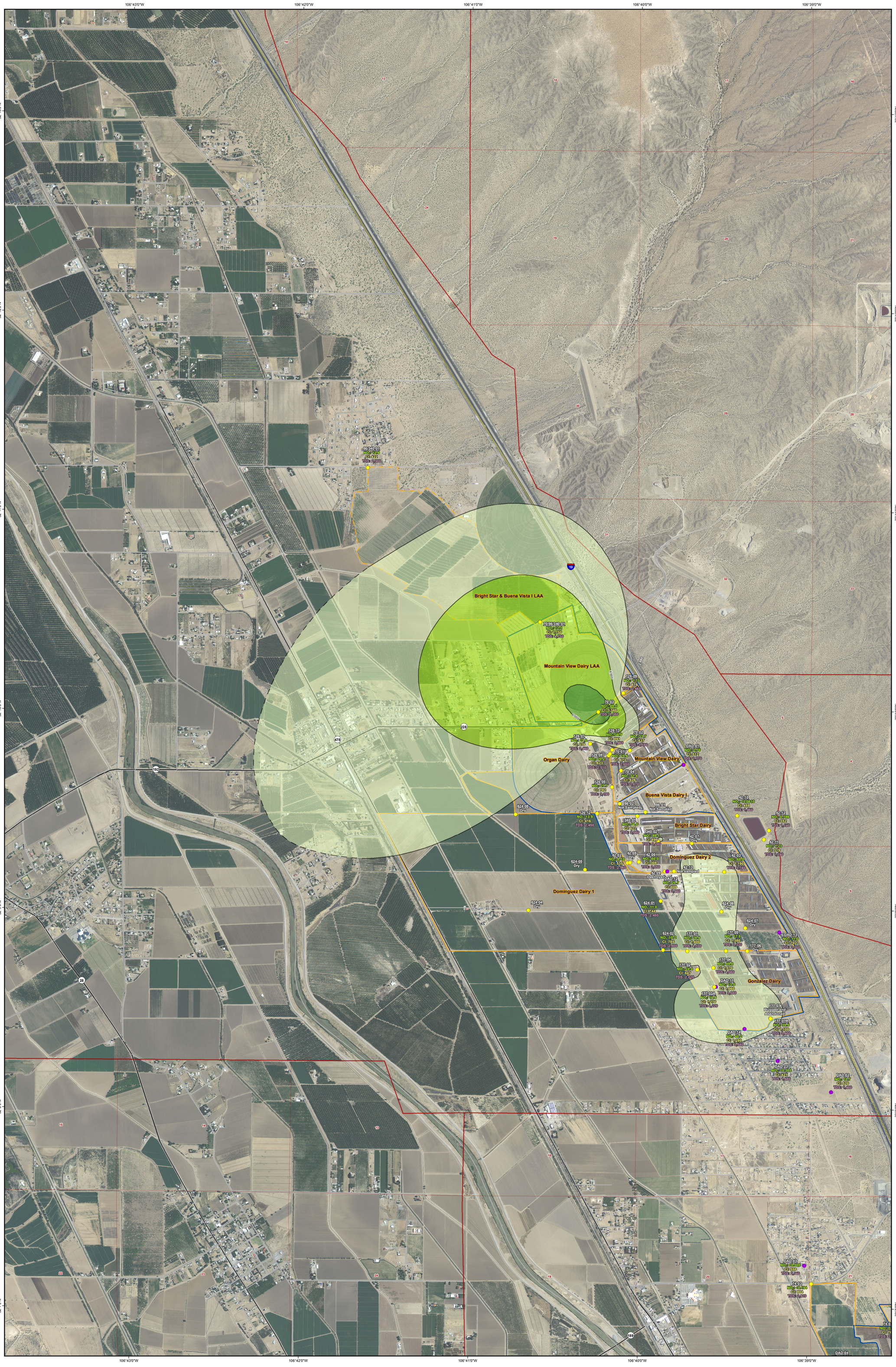
N

PROJECT
DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO

TITLE
CHLORIDE DISTRIBUTION IN GROUNDWATER
FEBRUARY/MARCH 2016
NORTHERN PORTION

PROJECT No. 146103		Fig_12_Dairies_North_Chloride.mxd	
DESIGN	NA	SCALE AS SHOWN	REV 0
GIS	RMM	FIGURE 12	
CHECK			
REVIEW			

2016 -07-22 P:\gis\Projects\Doña ana\Dairies_GIS\MXDs\101606_S2Abatement\Fig_12_Dairies_North_chloride.mxd EA-Dallas rmullen



LEGEND:

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

TDS Concentration (mg/L)

- 3,178-4,000
- 4,000-6,000
- >6,000

Notes:
Units are in milligrams per liter.
Dashed line indicates manually adjusted isopleth.

Cl = Chloride
NO_3 = Nitrate as N
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 0 500
FEET
SCALE 1:12,000 1" = 1,000 FT
WHEN PRODUCED AT 34X44IN

N

PROJECT
DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO

TITLE
TDS DISTRIBUTION IN GROUNDWATER
FEBRUARY/MARCH 2016
NORTHERN PORTION

PROJECT No. 1464103		Fig_13_Dairies_North_TDS.mxd	
DESIGN	NA	SCALE AS SHOWN	REV 0
GIS	RMM	FIGURE 13	
CHECK			
REVIEW			

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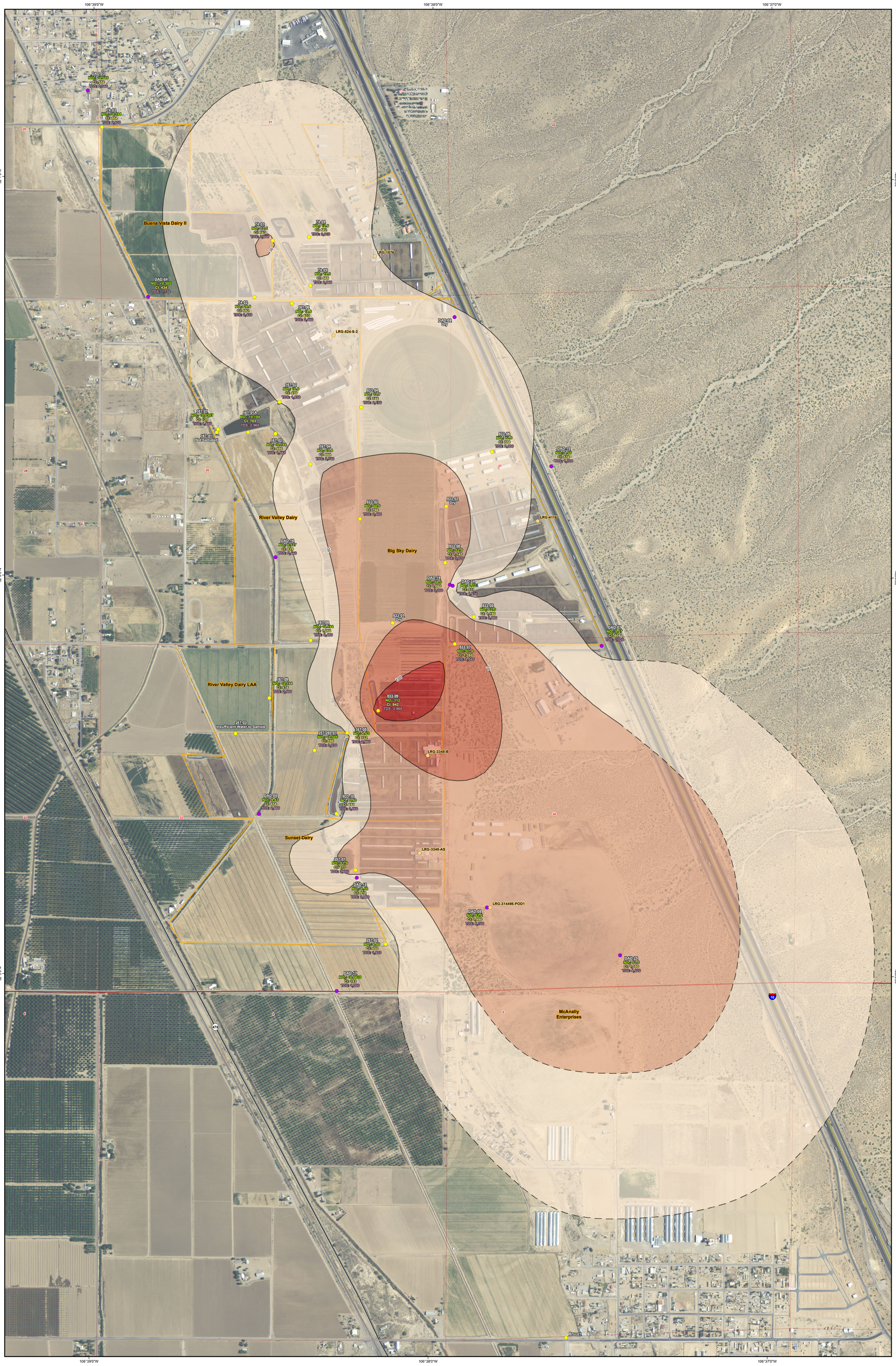

LEGEND:

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

Nitrate Concentration (mg/L)

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

Notes:
Units are in milligrams per liter.
Dashed line indicates manually adjusted isopleth.

Cl = Chloride
mg/L = Milligram(s) per liter
NO_3 = Nitrate as N
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 0 500 FEET
SCALE 1:6,000 1" = 500 FT
WHEN PRODUCED AT 34X44IN

N

PROJECT
DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO

TITLE
NITRATE DISTRIBUTION IN GROUNDWATER
FEBRUARY/MARCH 2016
CENTRAL PORTION

PROJECT No. 1464103			Fig_14_Dairies_Central_nitrate.mxd
DESIGN	NA		SCALE AS SHOWN REV 0
GIS	RMM		FIGURE 14
CHECK			
REVIEW			

2016 -07-20 P:\gis\Projects\dona ana\Dallas_GIS\MXDs\201606_S2Abatement\Fig_14_Dairies_Central_nitrate.mxd EA\Dallas mruiten

LEGEND:

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

Chloride Concentration (mg/L)

- 1,781-1,800
- 1,800-1,900
- >1,900

Notes:
Units are in milligrams per liter.
Dashed line indicates manually adjusted isopleth.

Cl = Chloride
mg/L = Milligram(s) per liter
NO_3 = Nitrate as N
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 0 500 FEET
SCALE 1:6,000 1 " = 500 FT
WHEN PRODUCED AT 34X44IN

N

PROJECT
DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO

TITLE
CHLORIDE DISTRIBUTION IN GROUNDWATER
FEBRUARY/MARCH 2016
CENTRAL PORTION

PROJECT No. 1464103			Fig 15 Dairies_Central_Chloride.mxd
DESIGN	NA		SCALE AS SHOWN REV 0
GIS	RMM		FIGURE 15
CHECK			
REVIEW			

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LEGEND:

- Abatement Plan Monitoring Wells
- Discharge Plan Monitoring Wells
- 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)

- 5,328-5,500
- >5,500

Notes:
Units are in milligrams per liter.
Dashed line indicates manually adjusted isopleth.

Cl = Chloride
mg/L = Milligram(s) per liter
NO_3 = Nitrate as N
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 0 500 FEET
SCALE 1:6,000 1" = 500 FT
WHEN PRODUCED AT 34X44IN

N

PROJECT
DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO

TITLE
TDS DISTRIBUTION IN GROUNDWATER
FEBRUARY/MARCH 2016
CENTRAL PORTION

PROJECT No. 1464103			Fig 16_Dairies_Central_TDS.mxd
DESIGN	NA		SCALE AS SHOWN REV 0
GIS	RMM		FIGURE 16
CHECK			
REVIEW			

2016 -07-20 P:\gis\Projects\dona ana\Dairies_GIS\MXDs\201606_S2Abatement\Fig_16_Dairies_Central_TDS.mxd EA-Dallas jmullen

LEGEND:

- Abatement Plan Monitoring Wells
- Discharge Plan Monitoring Wells
- Land Owned by Dairies
- Stage 2 Abatement Plan Area
- Public Land Survey System

Nitrate Concentration (mg/L)

- 10-30

Notes:
Units are in miligrams per liter.
Dashed line indicates manually adjusted isopleth.

Cl = Chloride
mg/L = Milligram(s) per liter
NO_3 = Nitrate as N
TDS = Total Dissolved Solids

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

400 200 0 400 FEET

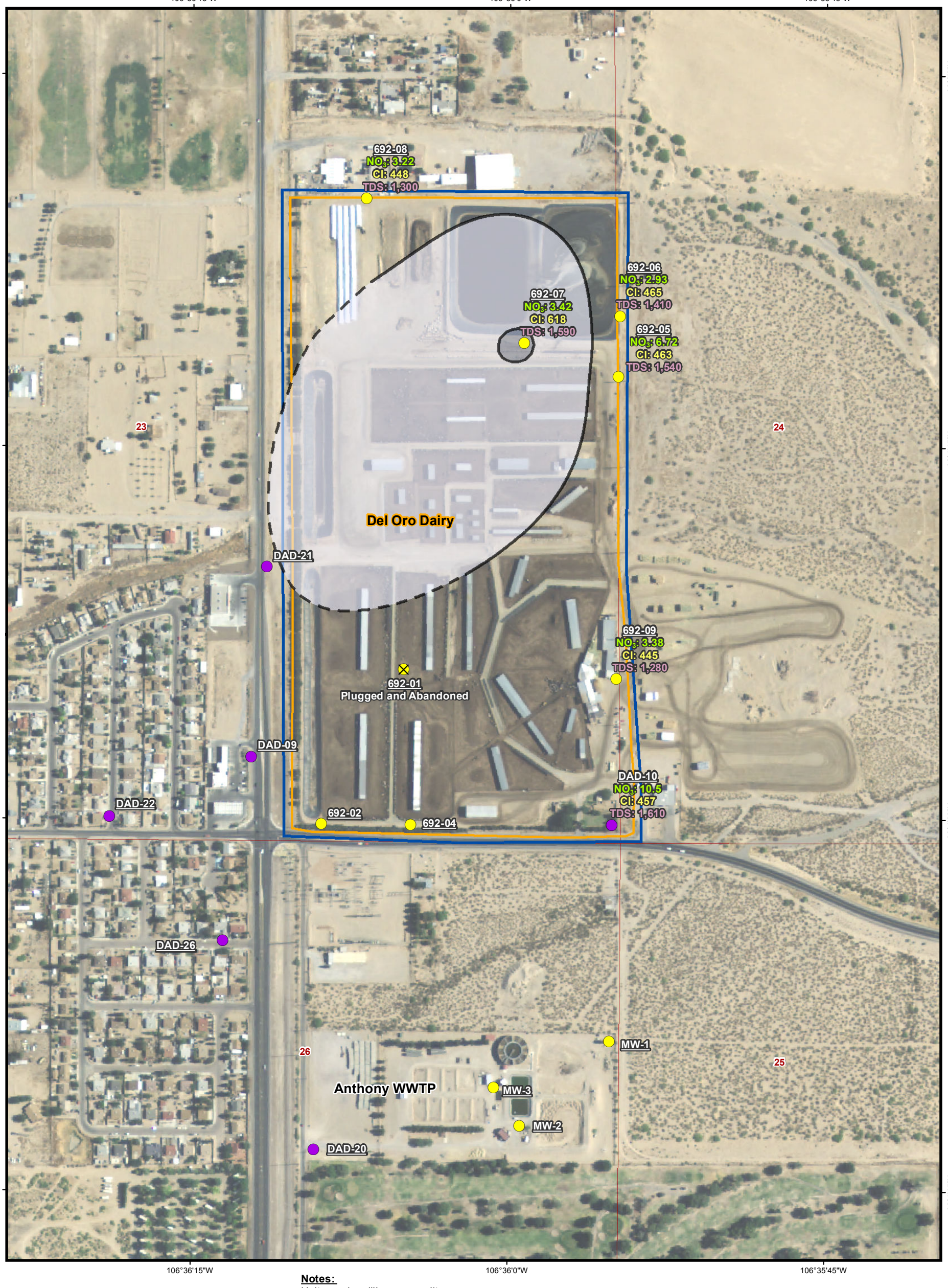
SCALE 1:4,800 1 " = 400 FT
WHEN PRODUCED AT 11X17IN

PROJECT
DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO

TITLE
NITRATE DISTRIBUTION IN GROUNDWATER
FEBRUARY/MARCH 2016
SOUTHERN PORTION, REGIONAL AQUIFER

PROJECT No. 1464103.0006			Fig20SouthRegionAq_Nitrate.mxd
DESIGN	NA		SCALE AS SHOWN REV 0
GIS	RM		FIGURE 17
CHECK			
REVIEW			

2016 -07-19 P:\gis\Projects\dona ana\Dallas_GIS\MXDs\201606_S2Abatement\Fig_17_Dairies_SouthRegionAq_nitrate.mxd EA-Dallas rmullen



LEGEND:

- Abatement Plan Monitoring Well
- Discharge Plan Monitoring Well
- Land Owned by Dairies
- Stage 2 Abatement Plan Area
- Public Land Survey System

Chloride Concentration (mg/L)

- 503-600
- >600

Notes:
Units are in miligrams per liter.
Dashed line indicates manually adjusted isopleth.

Cl = Chloride
NO_3 = Nitrate as N
TDS = Total Dissolved Solids

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

400 200 0 400 FEET

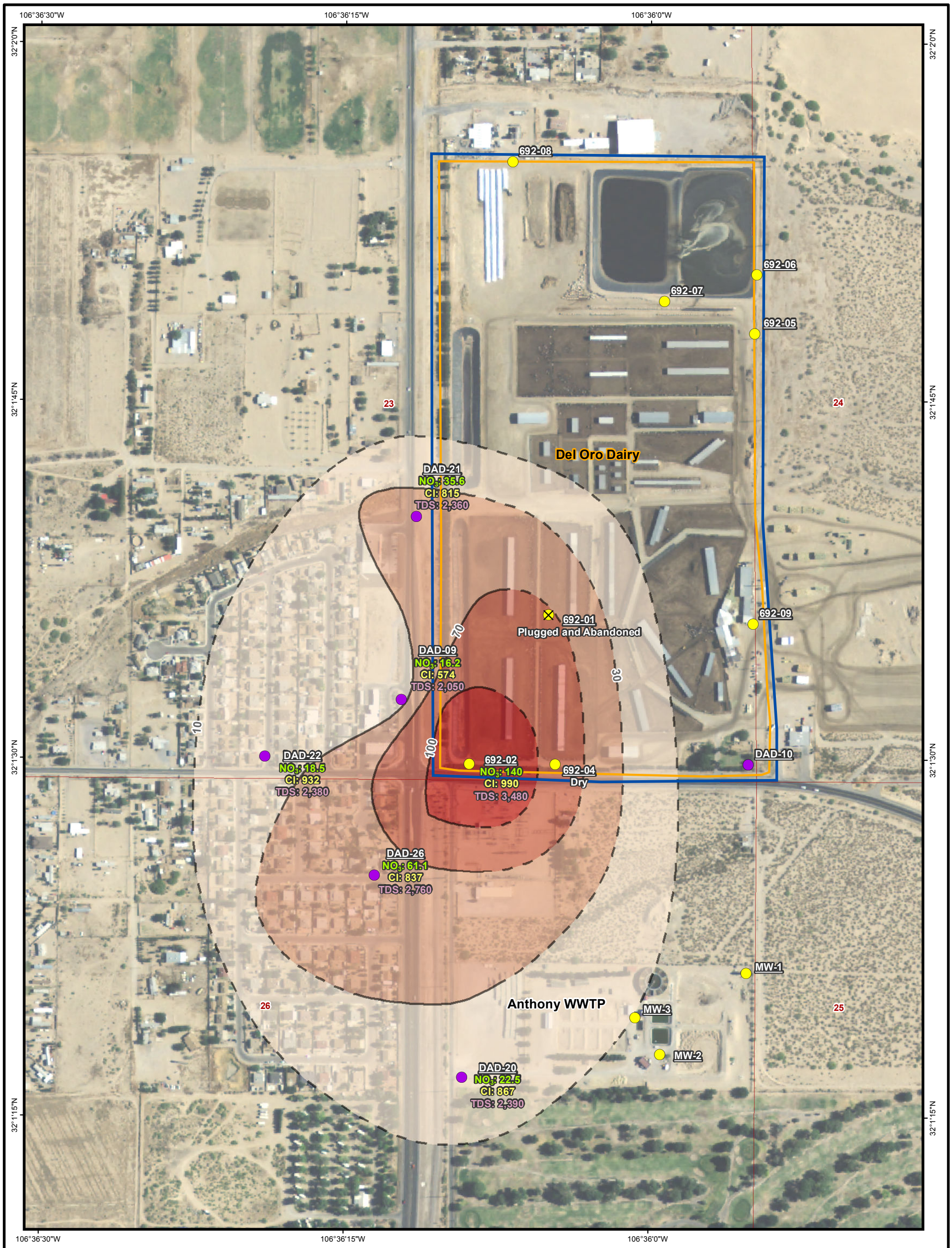
SCALE 1:4,800 1 " = 400 FT
WHEN PRODUCED AT 11X17IN

PROJECT
DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO

TITLE
CHLORIDE DISTRIBUTION IN GROUNDWATER
FEBRUARY/MARCH 2016
SOUTHERN PORTION, REGIONAL AQUIFER

PROJECT No. 1464103.0006			Fig21SouthRegionAq_Chloride.mxd
DESIGN	NA		SCALE AS SHOWN REV 0
GIS	RM		FIGURE 18
CHECK			
REVIEW			

2016 -07-21 P:\gis\Projects\dona ana\Dallas_GIS\MXDs\201606_S2Abatement\Fig_18 SouthRegionAq_Analytical_Chloride.mxd EA-Dallas rmullen



LEGEND:

- Abatement Plan Monitoring Wells
- Discharge Plan Monitoring Wells
- Land Owned by Dairies
- Stage 2 Abatement Plan Area
- Public Land Survey System

Nitrate Concentration (mg/L)

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

Notes:
Units are in milligrams per liter.
Dashed line indicates manually adjusted isopleth.

Cl = Chloride
mg/L = Milligram(s) per liter
NO_3 = Nitrate as N
TDS = Total Dissolved Solids

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

400 200 0 400 FEET

SCALE 1:4,800 1 " = 400 FT
WHEN PRODUCED AT 11X17IN

N

PROJECT
DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO

TITLE
NITRATE DISTRIBUTION IN GROUNDWATER
FEBRUARY/MARCH 2016
SOUTHERN PORTION, PERCHED AQUIFER

PROJECT No. 1464103.0006			Fig_17_SouthPerchAq_nitrate.mxd
DESIGN	NA		SCALE AS SHOWN REV 0
GIS	RM		FIGURE 19
CHECK			
REVIEW			

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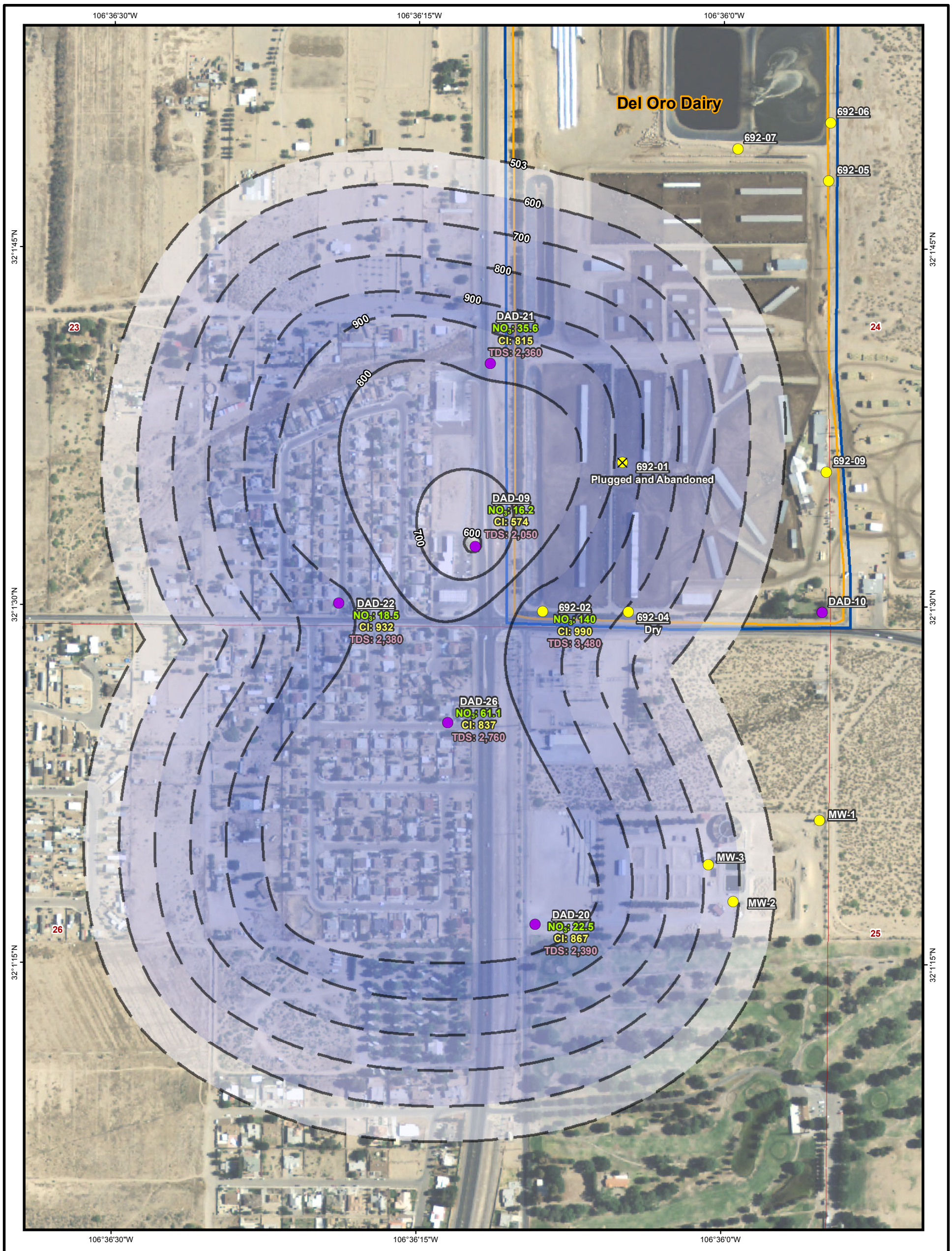


LEGEND:

- Abatement Plan Monitoring Wells
- Discharge Plan Monitoring Wells
- 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 adjusted isopleth.

Cl = Chloride
mg/L = Milligram(s) per liter
NO_3 = Nitrate as N
TDS = Total Dissolved Solids

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

400 200 0 400 FEET

N

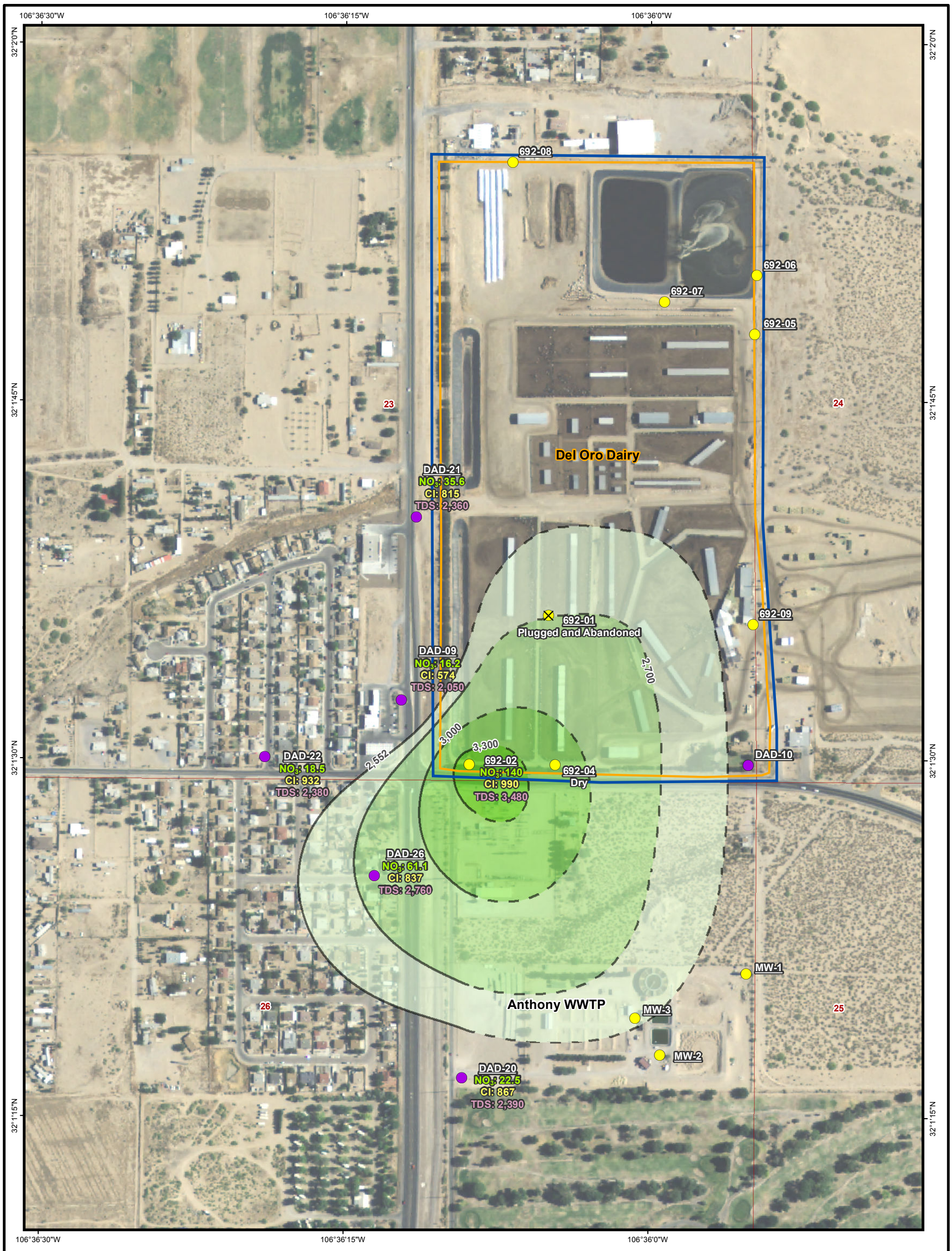
SCALE 1:4,800 1 " = 400 FT
WHEN PRODUCED AT 11X17IN

PROJECT
DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO

TITLE
CHLORIDE DISTRIBUTION IN GROUNDWATER
FEBRUARY/MARCH 2016
SOUTHERN PORTION, PERCHED AQUIFER

PROJECT No. 1464103.0006			Fig_18_SouthPerchAql_Chloride.mxd
DESIGN	NA		SCALE AS SHOWN REV 0
GIS	RM		FIGURE 20
CHECK			
REVIEW			

2016-07-21 P:\gis\Projects\dona ana\Dallas_GIS\MXDs\201606_S2Abatement\Fig_20_Dairies_SouthPerchAq_Chloride.mxd EA-Dallas rmullen



LEGEND:

- Abatement Plan Monitoring Wells
- Discharge Plan Monitoring Wells
- 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.
Dashed line indicates manually adjusted isopleth.

Cl = Chloride
mg/L = Milligram(s) per liter
NO_3 = Nitrate as N
TDS = Total Dissolved Solids

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

400 200 0 400 FEET

SCALE 1:4,800 1 " = 400 FT
WHEN PRODUCED AT 11X17IN

N

PROJECT
DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO

TITLE
TDS DISTRIBUTION IN GROUNDWATER
FEBRUARY/MARCH 2016
SOUTHERN PORTION, PERCHED AQUIFER

PROJECT No. 1464103.0006			Fig_19_SouthPerchAql_TDS.mxd
DESIGN	NA		SCALE AS SHOWN REV 0
GIS	RM		FIGURE 21
CHECK			
REVIEW			

2016-07-19 P:\gis\Projects\dona ana\Dallas_GIS\MXDs\201606_S2Abatement\Fig_21_Dairies_SouthPerchAq_TDS.mxd EA-Dallas rmullen

APPENDIX A
FIELD FORMS
(Electronic Format – CD)

Files are included on the report CD
located on the inside front cover of this report.

APPENDIX B
HEALTH AND SAFETY PLAN
(Electronic Format – CD)

Files are included on the report CD
located on the inside front cover of this report.

APPENDIX C
SOIL BORING LOGS

EA Engineering, Science, and Technology, Inc.

BORING/WELL CONSTRUCTION LOG

Project:	Dona Ana Dairies	Project Number:	1464103.0010
Drilling Company:	Terracon	Start Time/Date:	0930 12/15/15
Drilling Rig/Bit:	CME-75	Completion Time/Date:	1200 12/16/15
Driller:	Manny Duenez	Final Depth:	60 ft BGS
Boring/Well ID:	DAD-23	Logged By: Laura Van Alst	Page 1 of 2

Sample Type	Sample Recovery (in)	Sample Interval	Grab Sample	USCS Soil Type	Depth, ft bgs	Soil Description (soil type, color, density/consitency, plasticity, moisture, grain size, angularity/minerology, other)	Boring and/or Well Details
CUT				SP	1	Poorly graded sand, brown (7.5YR 4/4), loose, moist, medium grained	Grout; 2" Schedule 40 PVC; Grout
					2		
					3		
					4		
					5		
SS	7			SW	6	Well graded sand with trace gravel, brown (7.5 YR 4/4), loose, dry, very fine grained to coarse sand with gravel up to 2 cm, gravel 5% by volume	
					7		
					8		
					9		
					10		
SS	24			SW	11	Same as above, gravel 10% by volume	
					12		
					13		
					14		
					15		
SS	1			SW	16	Same as above, gravel 5% by volume	
					17		
					18		
					19		
					20		
SS	14			SW	21	Same as above, gravel up to 1 cm	
					22		
					23		
					24		
					25		
SS	12			SW	26	Sand with gravel, same as above, gravel up to 2.5 cm, gravel 30% by volume	
					27		
					28		
					29		
					30		
SS	14			SM	31	Silty sand with trace gravel, medium dense, moist, fine grained sand, gravel up to 1cm, gravel 5% by volume	
					32		
					33		
					34		
					35		
SS	18			SW	36	Well graded sand, brown (7.5YR 4/4), loose, moist, very fine to coarse sand	Bentonite; Bentonite
					37		
					38		
					39		
					40		

SS = Split Spoon Cut = Cuttings NA= Not Analyzed

BORING/WELL CONSTRUCTION LOG

EA Engineering, Science, and Technology, Inc.

Project:	Dona Ana Dairies	Project Number:	1464103.0010
Drilling Company:	Terracon	Start Time/Date:	0930 12/15/15
Drilling Rig/Bit:	CME-75	Completion Time/Date:	1200 12/16/15
Driller:	Manny Duenez	Final Depth:	60 ft bgs
Boring/Well ID:	DAD-23	Logged By: Laura Van Alst	Page 2 of 2

Sample Type	Sample Recovery (in)	Sample Interval	Grab Sample	USCS Soil Type	Depth, ft bgs	Soil Description (soil type, color, density/consitency, plasticity, moisture, grain size, angularity/minerology, other)	Boring and/or Well Details
SS	14			SW	41	Same as above except trace gravel up to 2 cm, gravel 5% by volume	12/20 Silica Sand
					42		
					43		
					44		
					45		
SS	10			SM	46	Silty sand, brown (7.5 YR 4/4), medium dense, plastic, wet, fine grained sand	
					47		
					48		
					49		
					50		
SS	24			SM	51	50-51.5, Same as above. 51.5-52, Poorly graded sand, brown (7.5 YR 4/4), loose, wet, coarse grained sand	
				SP	52		
					53		
					54		
					55		
SS	20			GW	56	Well graded gravel with sand, brown (7.5 YR 4/4), loose, wet, coarse to fine grained sand, gravel up to 2 cm	
					57		
					58		
					59		
SS	5			GW	60	Same as above with gravel up to 4 cm	
					61		
					62	Total Depth 60 feet bgs - flush mount surface completion	
					63	Screen - 0.010" slot from 60 to 40 feet bgs	
					64	Sand - 12/20 silica sand from 60 to 38 feet bgs	
					65	Bentonite 3/8 in. medium chips from 38 to 35 feet bgs	
					66	Portland Type I/II cement with Quik-gel grout 35 to 2 feet bgs	
					67	First water at 45 ft. bgs	
					68		
					69		
					70		
					71		
					72		
					73		
					74		
					75		
					76		
					77		
					78		
					79		
					80		

SS = Split Spoon CC = Continuous Core Cut = Cuttings NA= Not Analyzed

EA Engineering, Science, and Technology, Inc.

BORING/WELL CONSTRUCTION LOG

Project:	Dona Ana Dairies	Project Number:	1464103.0010
Drilling Company:	Terracon	Start Time/Date:	1300 12/21/15
Drilling Rig/Bit:	CME-75, mud rotary	Completion Time/Date:	1800 2/4/16
Driller:	Manny Duenez	Final Depth:	130 ft bgs
Boring/Well ID:	DAD-24	Logged By: Laura Van Alst	Page 1 of 4

Sample Type	Sample Recovery (in)	Sample Interval	Grab Sample	USCS Soil Type	Depth, ft bgs	Soil Description (soil type, color, density/consitency, plasticity, moisture, grain size, angularity/minerology, other)	Boring and/or Well Details		
CUT				SW	1, 2, 3, 4, 5	Well graded sand, light brown (7.5 YR 6/3), loose, dry, very fine to coarse grained sand	3/8" Bentonite Chips	2" Schedule 40 PVC	3/8" Bentonite Chips
CUT				SW	6, 7, 8, 9, 10	Well graded sand, light brown (7.5 YR 6/3), loose, wet, very fine to coarse grained sand			
CUT				SW	11, 12, 13, 14, 15	Same as above, except with fine gravel, gravel 10% by volume			
CUT				SW	16, 17, 18, 19, 20	Same as above, except with fine gravel, gravel 25% by volume			
CUT				SW	21, 22, 23, 24, 25	Same as above, except with fine gravel, gravel 30% by volume			
CUT				SW	26, 27, 28, 29, 30	Same as above			
CUT				SP	31, 32, 33, 34, 35	Poorly graded sand with gravel, pink (7.5YR 7/3), loose, wet, fine grained sand with 0.25 cm gravel			
CUT				SP	36, 37, 38, 39, 40	Same as above, except with no gravel			

SS = Split Spoon Cut = Cuttings NA= Not Analyzed

BORING/WELL CONSTRUCTION LOG

EA Engineering, Science, and Technology, Inc.

Project:	Dona Ana Dairies	Project Number:	1464103.0010
Drilling Company:	Terracon	Start Time/Date:	1300 12/21/15
Drilling Rig/Bit:	CME-75, mud rotary	Completion Time/Date:	1800 2/4/16
Driller:	Manny Duenez	Final Depth:	130 ft bgs
Boring/Well ID:	DAD-24	Logged By: Laura Van Alst	Page 2 of 4

Sample Type	Sample Recovery (in)	Sample Interval	Grab Sample	USCS Soil Type	Depth, ft bgs	Soil Description (soil type, color, density/consitency, plasticity, moisture, grain size, angularity/minerology, other)	Boring and/or Well Details
CUT				SP	41	Same as above	3/8" Bentonite Chips; 2" Schedule 40 PVC; 3/8" Bentonite Chips
					42		
					43		
					44		
					45		
CUT				SP	46	Same as above	
					47		
					48		
					49		
					50		
CUT				SP	51	Same as above	
					52		
					53		
					54		
					55		
CUT				SP	56	Same as above	
					57		
					58		
					59		
					60		
CUT				SP	61	Same as above	
					62		
					63		
					64		
					65		
CUT				SP	66	Same as above	
					67		
					68		
					69		
					70		
CUT				SP	71	Same as above	
					72		
					73		TR-30 Bentonite; TR-30 Bentonite
					74		
					75		
CUT				SP	76	Same as above	
					77		
					78		
				SP	79	Same as above except with gravel	
					80		

SS = Split Spoon CC = Continuous Core Cut = Cuttings NA= Not Analyzed

BORING/WELL CONSTRUCTION LOG

EA Engineering, Science, and Technology, Inc.

Project:	Dona Ana Dairies	Project Number:	1464103.0010
Drilling Company:	Terracon	Start Time/Date:	1300 12/21/15
Drilling Rig/Bit:	CME-75, mud rotary	Completion Time/Date:	1800 2/4/16
Driller:	Manny Duenez	Final Depth:	130 ft bgs
Boring/Well ID:	DAD-24	Logged By: Laura Van Alst	Page 3 of 4

Sample Type	Sample Recovery (in)	Sample Interval	Grab Sample	USCS Soil Type	Depth, ft bgs	Soil Description (soil type, color, density/consitency, plasticity, moisture, grain size, angularity/minerology, other)	Boring and/or Well Details
CUT				SW	81 82 83 84 85	Well graded sand, pink (7.5 YR 7/3), loose, wet, very fine to coarse grained sand	TR-30 Bentonite Pellets; 2" Schedule 40 PVC; TR-30 Bentonite Pellets
CUT				SW	86 87 88 89 90	Same as above, except with gravel	
CUT				SW	91 92 93 94 95	Same as above	
CUT				SW	96 97 98 99 100	Same as above	
CUT				SW	101 102 103 104 105	Same as above	
CUT				SM	106 107 108 109 110	Silty sand with gravel, pink (7.5 YR 7/3), loose, non-plastic, wet, very fine grained sand to gravel.	
CUT				SM	111 112 113 114 115	Same as above	
CUT				SW	116 117 118 119 120	Well graded sand, pink (7.5 YR 7/3), loose, wet, very fine to coarse grained sand	

SS = Split Spoon CC = Continuous Core Cut = Cuttings NA= Not Analyzed

BORING/WELL CONSTRUCTION LOG

EA Engineering, Science, and Technology, Inc.

Project:	Dona Ana Dairies	Project Number:	1464103.0010
Drilling Company:	Terracon	Start Time/Date:	1300 12/21/15
Drilling Rig/Bit:	CME-75, mud rotary	Completion Time/Date:	1800 2/4/16
Driller:	Manny Duenez	Final Depth:	130 ft bgs
Boring/Well ID:	DAD-24	Logged By: Laura Van Alst	Page 4 of 4

Sample Type	Sample Recovery (in)	Sample Interval	Grab Sample	USCS Soil Type	Depth, ft bgs	Soil Description (soil type, color, density/consitency, plasticity, moisture, grain size, angularity/minerology, other)	Boring and/or Well Details
CUT				SW	121 122 123 124 125	Same as above	12/20 Silicia Sand
CUT				SW	126 127 128 129 130	Same as above	
						Total Depth 130 feet bgs - Stick up surface completion with 4 bollards Pre Packed Screen - 0.010" slot from 128 to 123 feet bgs Sand - 12/20 silica sand from 128 to 120 feet bgs TR-30 Bentonite pellets from 120 to 72 feet Bentonite hole plug 3/8" chips from 72 feet to surface	
						First water at 60.5 feet bgs	

SS = Split Spoon CC = Continuous Core Cut = Cuttings NA= Not Analyzed

EA Engineering, Science, and Technology, Inc.

BORING/WELL CONSTRUCTION LOG

Project:	Dona Ana Dairies	Project Number:	1464103.0010
Drilling Company:	Terracon	Start Time/Date:	1100 12/17/15
Drilling Rig/Bit:	CME-75	Completion Time/Date:	1700 12/17/15
Driller:	Manny Duenez	Final Depth:	75 feet bgs
Boring/Well ID:	DAD-25	Logged By: Laura Van Alst	Page 1 of 3

Sample Type	Sample Recovery (in)	Sample Interval	Grab Sample	USCS Soil Type	Depth, ft bgs	Soil Description (soil type, color, density/consitency, plasticity, moisture, grain size, angularity/minerology, other)	Boring and/or Well Details
CUT				SP	1	Poorly graded sand, light brown (7.5YR 6/4), loose, dry, very fine grained sand	Bentonite; 2" Schedule 40 PVC; Bentonite
					2		
					3		
					4		
					5		
SS	10			SW	6	Well graded sand, light brown (7.5 YR 6/4), loose, dry, very fine to coarse grained sand	
					7		
					8		
					9		
					10		
SS	22			SP	11	Poorly graded sand, light brown (7.5YR 6/4), loose, moist, very fine grained sand	
					12		
					13		
					14		
					15		
SS	20			SP	16	Same as above	
					17		
					18		
					19		
					20		
SS	10			SP	21	Same as above	
					22		
					23		
					24		
					25		
SS	18			SP	26	Same as above	
					27		
					28		
					29		
					30		
SS	14			SP	31	Same as above	
					32		
					33		
					34		
					35		
SS	18			SM	36	Silty sand, brown (7.5YR 5/3), medium dense, moist, very fine sand	
					37		
					38		
					39		
					40		

SS = Split Spoon Cut = Cuttings NA= Not Analyzed

BORING/WELL CONSTRUCTION LOG

EA Engineering, Science, and Technology, Inc.

Project:	Dona Ana Dairies	Project Number:	1464103.0010
Drilling Company:	Terracon	Start Time/Date:	1100 12/17/15
Drilling Rig/Bit:	CME-75	Completion Time/Date:	1700 12/17/15
Driller:	Manny Duenez	Final Depth:	75 feet bgs
Boring/Well ID:	DAD-25	Logged By: Laura Van Alst	Page 2 of 3

Sample Type	Sample Recovery (in)	Sample Interval	Grab Sample	USCS Soil Type	Depth, ft bgs	Soil Description (soil type, color, density/consitency, plasticity, moisture, grain size, angularity/minerology, other)	Boring and/or Well Details
SS	6			GW	41 42 43 44 45	Well graded sandy gravel, brown (7.5 YR 5/3), loose, dry, very fine to coarse grained sand with gravel up to 4 cm, gravel 50% by volume	Bentonite
SS	10			SW	46 47 48 49 50	Well graded sand and gravel, same as above, gravel up to 3 cm, gravel 40% by volume	2" Schedule 40 PVC
SS	8			SP	51 52 53 54 55	Poorly graded sand, brown (7.5YR 5/3), loose, moist, fine grained sand	Bentonite
SS	10			SP	56 57 58 59 60	Same as above	12/20 Silica Sand
SS	12			SP	61 62 63 64 65	Same as above, except wet	12/20 Silica Sand
SS	14			SM	66 67 68 69 70	Silty sand, brown (7.5YR 5/3), medium dense, wet, poorly graded fine grained sand	12/20 Silica Sand
SS	12			SC	71 72 73 74 75	Clayey sand, yellowish red (5YR 4/6), very stiff, not plastic, wet, poorly graded fine grained sand	12/20 Silica Sand
SS	14			SC	76 77 78 79 80	Same as above	

SS = Split Spoon CC = Continuous Core Cut = Cuttings NA= Not Analyzed

EA Engineering, Science, and Technology, Inc.

BORING/WELL CONSTRUCTION LOG

Project:	Dona Ana Dairies	Project Number:	1464103.0010
Drilling Company:	Terracon	Start Time/Date:	1100 12/17/15
Drilling Rig/Bit:	CME-75	Completion Time/Date:	1700 12/17/15
Driller:	Manny Duenez	Final Depth:	75 feet bgs
Boring/Well ID:	DAD-25	Logged By: Laura Van Alst	Page 3 of 3

Sample Type	Sample Recovery (in)	Sample Interval	Grab Sample	USCS Soil Type	Depth, ft bgs	Soil Description (soil type, color, density/consitency, plasticity, moisture, grain size, angularity/minerology, other)	Boring and/or Well Details
						Total Depth 75 feet bgs - Stick up surface completion with 4 bollards	
						Screen - 0.010" slot from 75 to 55 feet bgs	
						Sand - 12/20 silica sand from 75 to 53 feet bgs	
						Bentonite 3/8 in. medium chips from 53 feet to surface	
						First water at 60 feet bgs	

SS = Split Spoon CC = Continuous Core Cut = Cuttings NA= Not Analyzed

EA Engineering, Science, and Technology, Inc.

BORING/WELL CONSTRUCTION LOG

Project:	Dona Ana Dairies	Project Number:	1464103.0010
Drilling Company:	Terracon	Start Time/Date:	0930 12/14/15
Drilling Rig/Bit:	CME-75	Completion Time/Date:	1700 12/14/15
Driller:	Manny Duenez	Final Depth:	62 ft bgs
Boring/Well ID:	DAD-26	Logged By: Laura Van Alst	Page 1 of 2

Sample Type	Sample Recovery (in)	Sample Interval	Grab Sample	USCS Soil Type	Depth, ft bgs	Soil Description (soil type, color, density/consitency, plasticity, moisture, grain size, angularity/minerology, other)	Boring and/or Well Details
CUT				SP	1–5	Poorly graded sand, yellowish brown (10YR 5/4), loose, moist, fine grained sand	Grout; 2" Schedule 40 PVC; Grout
SS	18			SP	6–10	Poorly graded sand and gravel, yellowish brown (10YR 5/4), loose, moist, fine grained sand with gravel up to 3 cm, gravel 30% by volume	
SS	20			SP	11–15	Poorly graded sand, same as above except no gravel	
SS	24			SP	16–20	Poorly graded sand with trace fine gravel, same as above except gravel up to 1/2 cm.	
SS	18			GW	21–25	Well graded sandy gravel, yellowish brown (10YR 5/4), loose, moist, well graded fine to coarse grained sand, gravel up to 5cm	
SS	14			SP	26–30	Poorly graded sand with trace gravel, yellowish brown (10YR 5/4), loose, moist, fine grained sand, gravel up to 1 cm	
SS	16			SW	31–35	Well graded sand with gravel, yellowish brown (10YR 5/4), loose, dry, fine to coarse grained sand, gravel up to 0.8 cm, 30% gravel by volume	
SS	8			GW	36–40	Well graded sandy gravel, yellowish brown (10YR 5/4), loose, dry, fine to coarse grained sand with gravel up to 1 cm, 40% gravel by volume	

SS = Split Spoon Cut = Cuttings NA= Not Analyzed

BORING/WELL CONSTRUCTION LOG

EA Engineering, Science, and Technology, Inc.

Project:	Dona Ana Dairies	Project Number:	1464103.0010
Drilling Company:	Terracon	Start Time/Date:	0930 12/14/15
Drilling Rig/Bit:	CME-75	Completion Time/Date:	1700 12/14/15
Driller:	Manny Duenez	Final Depth:	62 ft bgs
Boring/Well ID:	DAD-26	Logged By: Laura Van Alst	Page 2 of 2

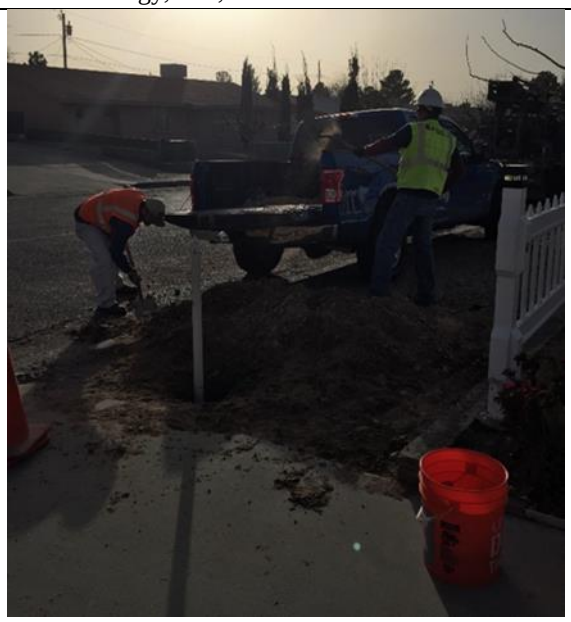
Sample Type	Sample Recovery (in)	Sample Interval	Grab Sample	USCS Soil Type	Depth, ft bgs	Soil Description (soil type, color, density/consitency, plasticity, moisture, grain size, angularity/minerology, other)	Boring and/or Well Details
SS	5			GW	41	Same as above, gravel up to 2 cm	Bentonite
					42		
					43		
					44		
					45		
SS	7			GW	46	Same as above	12/20 Silica Sand
					47		
					48		
					49		
					50		
SS	22			CL	51	Sandy clay, strong brown (7.5YR 5/6), hard, nonplastic, moist, fine grained sand	
					52		
					53		
					54		
					55		
SS	6			SP	56	Poorly graded sand, dark brown (10YR 3/3), loose, wet, fine grained sand	
					57		
					58		
					59		
					60		
SS	10			SP	61	Same as above, except one inch of clay at 62 feet bgs, brown (7.5YR 4/3), very stiff, slightly plastic, wet, with light grey mottling in spots	
					62		
					63		
					64		
					65		
					66	Total Depth 62 feet bgs - flush mount surface completion	
					67	Screen - 0.010" slot from 62 to 47 feet bgs	
					68	Sand - 12/20 silica sand from 62 to 45 feet bgs	
					69	Bentonite 3/8 in. medium chips from 45 to 41 feet bgs	
					70	Portland Type I/II cement with Quik-gel grout 41 to 2 feet bgs	
					71	First water at 52 ft. bgs	
					72		
					73		
					74		
					75		
					76		
					77		
					78		
					79		
					80		

SS = Split Spoon CC = Continuous Core Cut = Cuttings NA= Not Analyzed

APPENDIX D
PHOTOGRAPHIC LOG

Address: 118 Cristo Ave, Mesquite, NM
Description: Surface Completion of DAD-23
Date: December 2015 Direction: South

Address: 118 Cristo Ave, Mesquite, NM
Description: Surface Completion of DAD-23
Date: December 2015 Direction: South



Address: 802 Sara Arzola Road, Anthony, NM
Description: Surface Completion of DAD-26
Date: December 2015 Direction: Southwest

Address: 802 Sara Arzola Road, Anthony, NM
Description: Surface Completion of DAD-26
Date: December 2015 Direction: Southwest

Address: 802 Sara Arzola Road, Anthony, NM
Description: Surface Completion of DAD-26
Date: December 2015 Direction: West

Address: Del Oro Dairy, Anthony, NM
Description: Deconstruction of Fence and Bollard around well 692-01R
Date: December 2015 Direction: West

Address: Del Oro Dairy, Anthony, NM
Description: Casing removal of well 692-01R
Date: December 2015 Direction: West

Address: Del Oro Dairy, Anthony, NM
Description: Casing Removed from well 692-01R
Date: December 2015 Direction: Southwest

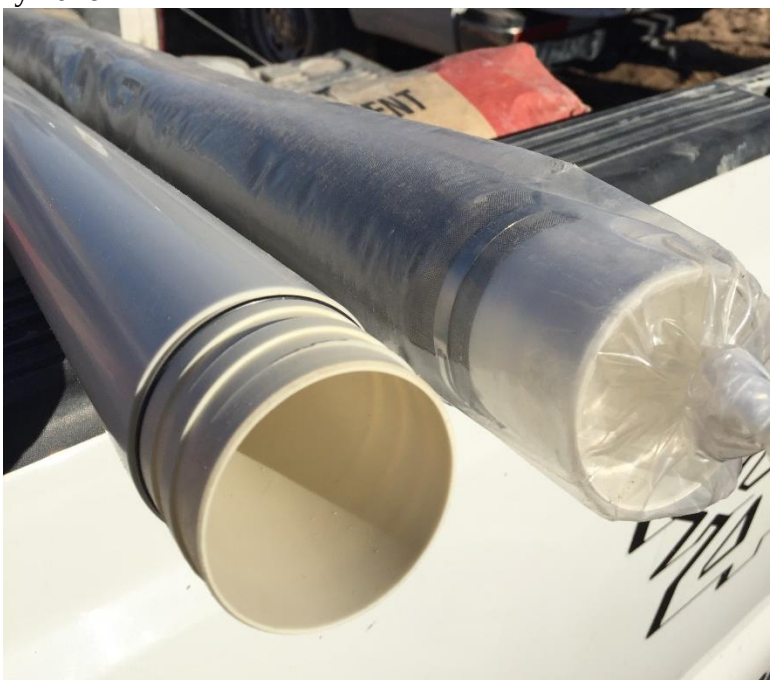
Address: Del Oro Dairy, Anthony, NM
Description: Surface Completion Removal of 692-01R
Date: December 2015 Direction: West

Address: Del Oro Dairy, Anthony, NM
Description: Abandonment of 692-01R
Date: December 2015 Direction: Down

Address: Del Oro Dairy, Anthony, NM
Description: Abandonment of 692-01R
Date: December 2015 Direction: Down

Address: Big Sky Dairy, Vado, NM
Description: Surface Completion of DAD-25
Date: December 2015 Direction: East

Address: Big Sky Dairy, Vado, NM
Description: Mud Pit at DAD-24
Date: February 2016 Direction: Southwest



Address: Big Sky Dairy, Vado, NM
Description: Pre-packed screen and casing at DAD-24
Date: February 2016 Direction: North

Address: Big Sky Dairy, Vado, NM
Description: Surface Completion at DAD-24
Date: February 2016 Direction: Southeast

APPENDIX E
PLUGGING REPORT

PLUGGING RECORD

NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: Unknown

Well owner: Del Oro Dairy - Jerry Settles Phone No.: _____

Mailing address: P.O. Box 1846

City: Anthony State: NM Zip code: 88021

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Terracon - Manuel Duenez

2) New Mexico Well Driller License No.: WD-1265 Expiration Date: 01/31/2018

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): _____

4) Date well plugging began: Dec. 22, 2015 Date well plugging concluded: Dec. 22, 2015

5) GPS Well Location: Latitude: 32 deg, 01 min, 36.07 sec
Longitude: 106 deg, 36 min, 04.97 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 50 ft below ground level (bgl), by the following manner: measuring tape

7) Static water level measured at initiation of plugging: NA ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: Feb. 19, 2016

9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Cement/Slurry	14.0	15.0	Tremie	

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

III. SIGNATURE:

I, Manuel Duenez, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Manuel Duenez — Signature of Well Driller

3-2-16 — Date

APPENDIX F
WELL SURVEY REPORT

DOÑA ANA DAIRY COORDINATE REPORT

STA.	NM-C-83, 3002 - Usft NORTHING (Usft)	EASTING (Usft)	NAVD88 ELEVATION (Usft)
DAD-23 NR	413,958.79	1,515,697.17	3,855.69
DAD-23 TOP PVC	413,958.29	1,515,697.17	3,855.46
DAD-24 NR	400,183.73	1,522,052.57	3,861.69
DAD-24 TOP PVC	400,183.23	1,522,052.57	3,864.91
DAD-25 NR	394,561.33	1,524,599.12	3,867.66
DAD-25 TOP PVC	394,560.83	1,524,599.12	3,870.63
DAD-26 NR	372,514.08	1,530,789.76	3,829.63
DAD-26 TOP PVC	372,513.58	1,530,789.76	3,829.31

NOTES

1. Coordinates reported hereon are relative to the New Mexico State Plane Coordinate System (NAD83(CORS96)2002.0) and are expressed in US Survey Feet.

2. Elevations reported hereon are NAVD88 as developed using the NGS OPUS utility and Geoid09. Basis of elevation was derived by making observations at the following previously-surveyed locations: DAD-09 NR, DAD-19 NR, & DAD-20

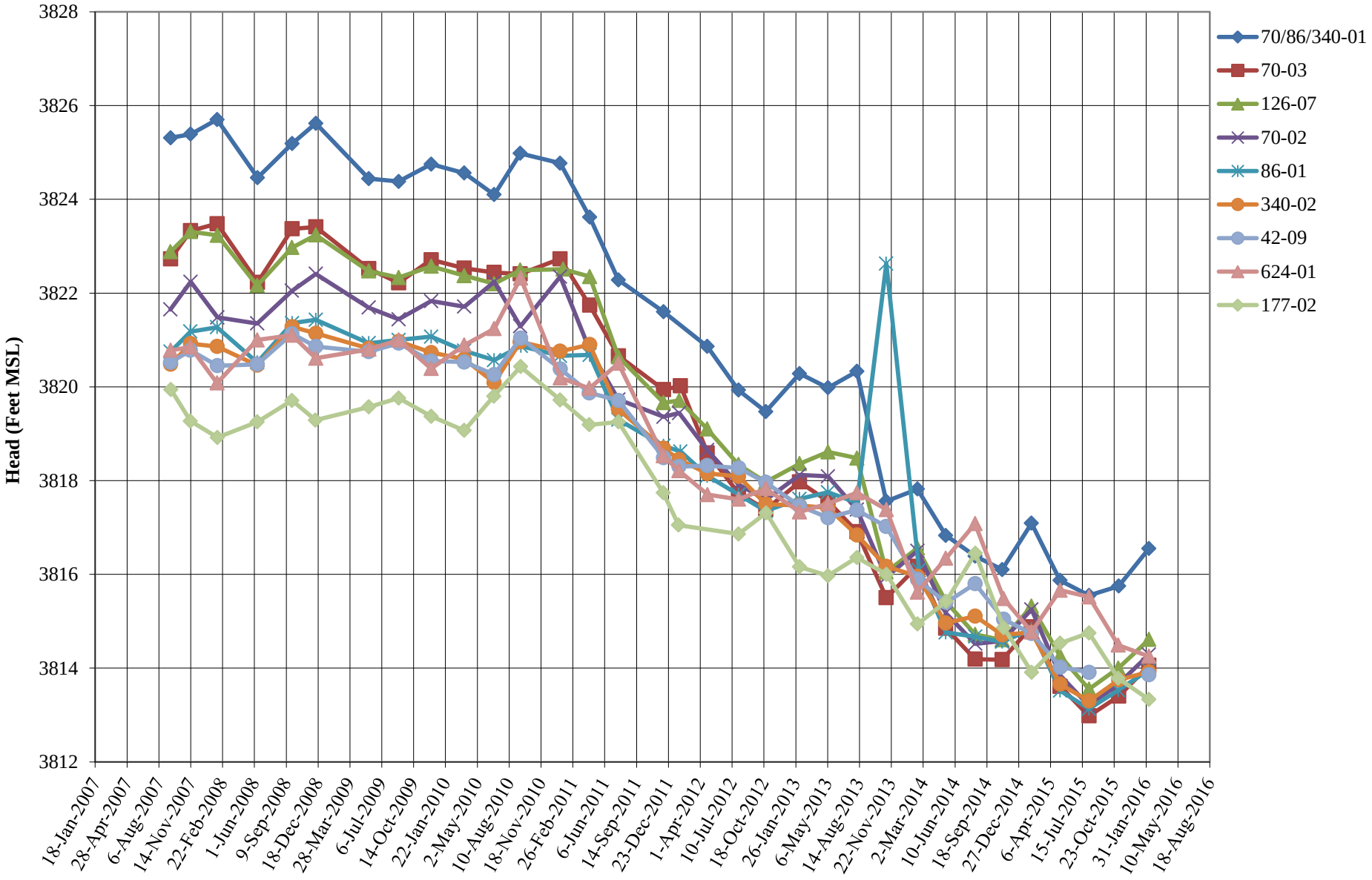
Christian A. Clausen, RPLS (TX #5511 - NM #16467 - AZ #36621)
5328 Country Oaks Drive, El Paso, TX 79932 PH: 915.355.9482)
For and on behalf of:
EA Engineering, Science, and Technology, Inc., PBC, 320 Gold Ave SW, Suite 1300, Albuquerque New Mexico 87102 PH:(505) 715-4332

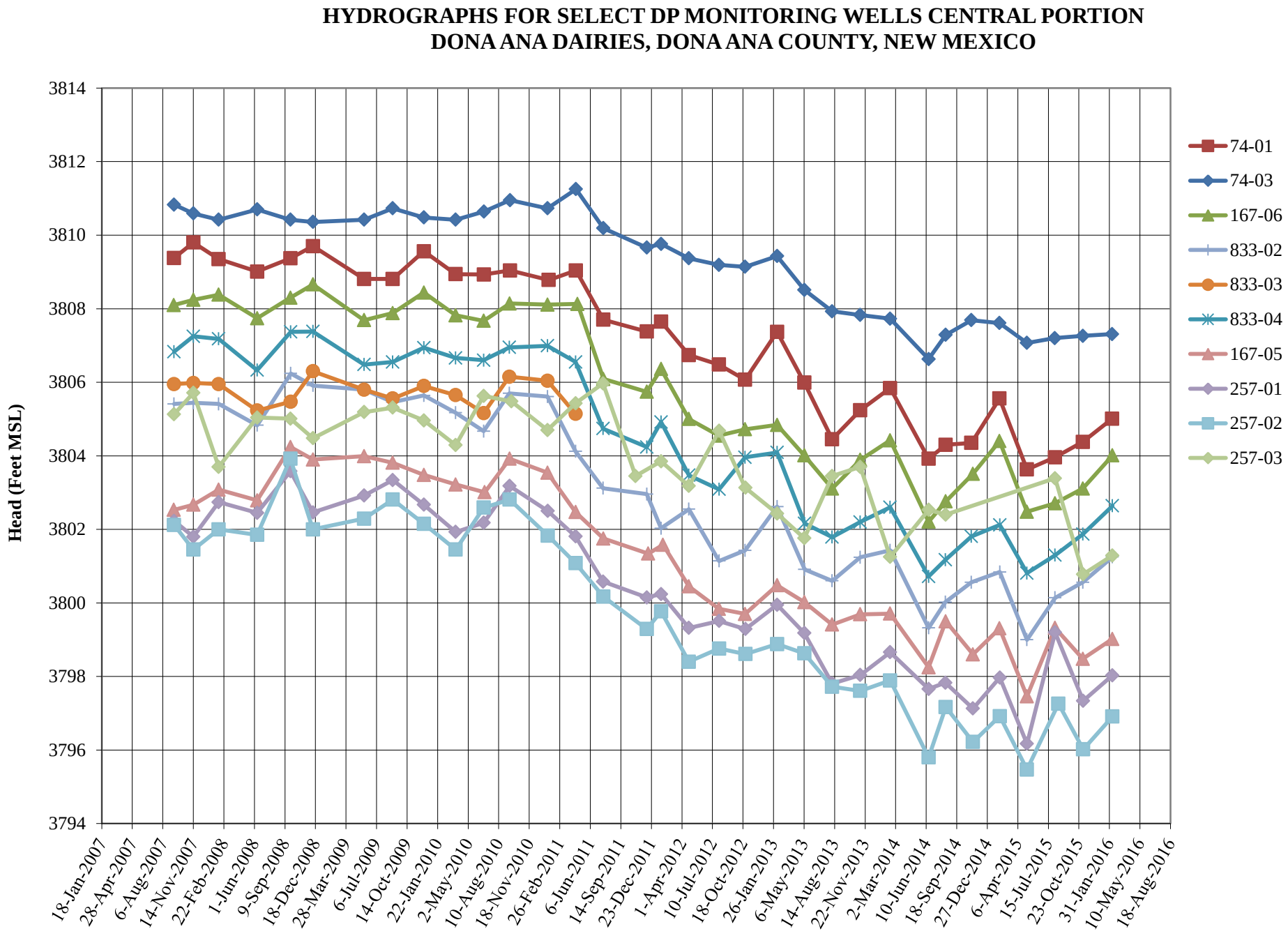
APPENDIX G
ANALYTICAL LABORATORY REPORTS
(Electronic Format – CD)

Files are included on the report CD
located on the inside front cover of this report.

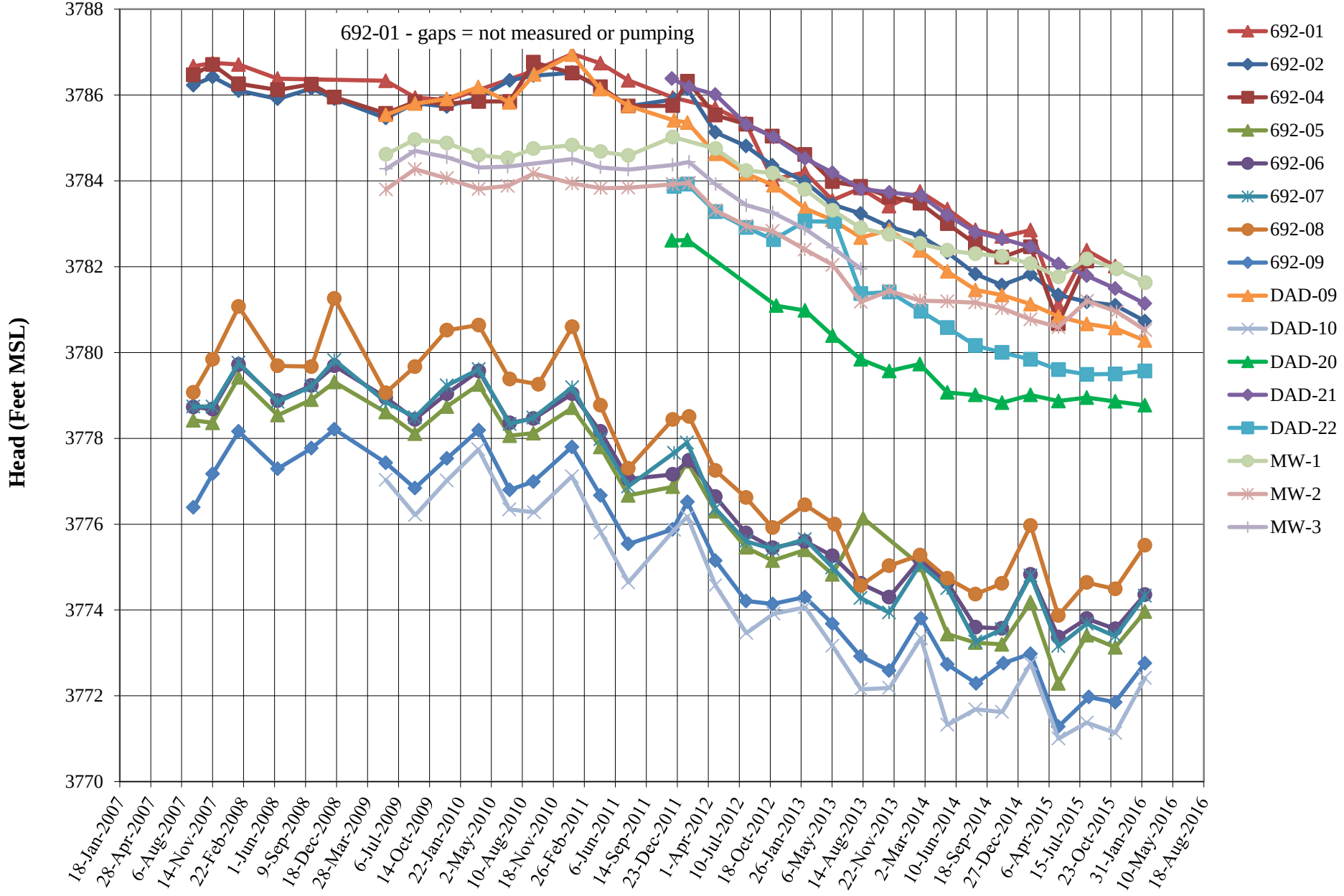
APPENDIX H
HYDROGRAPHS

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

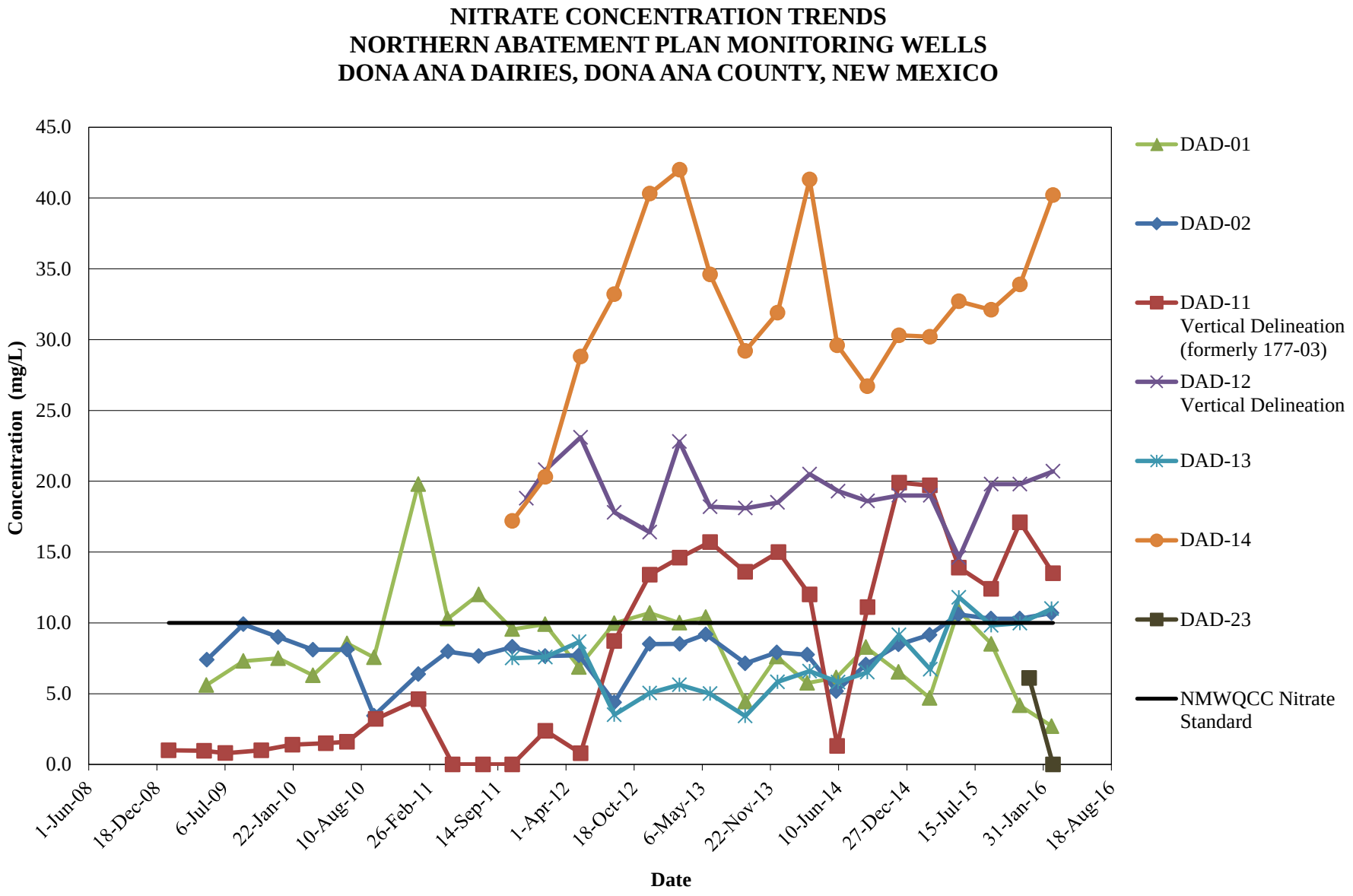


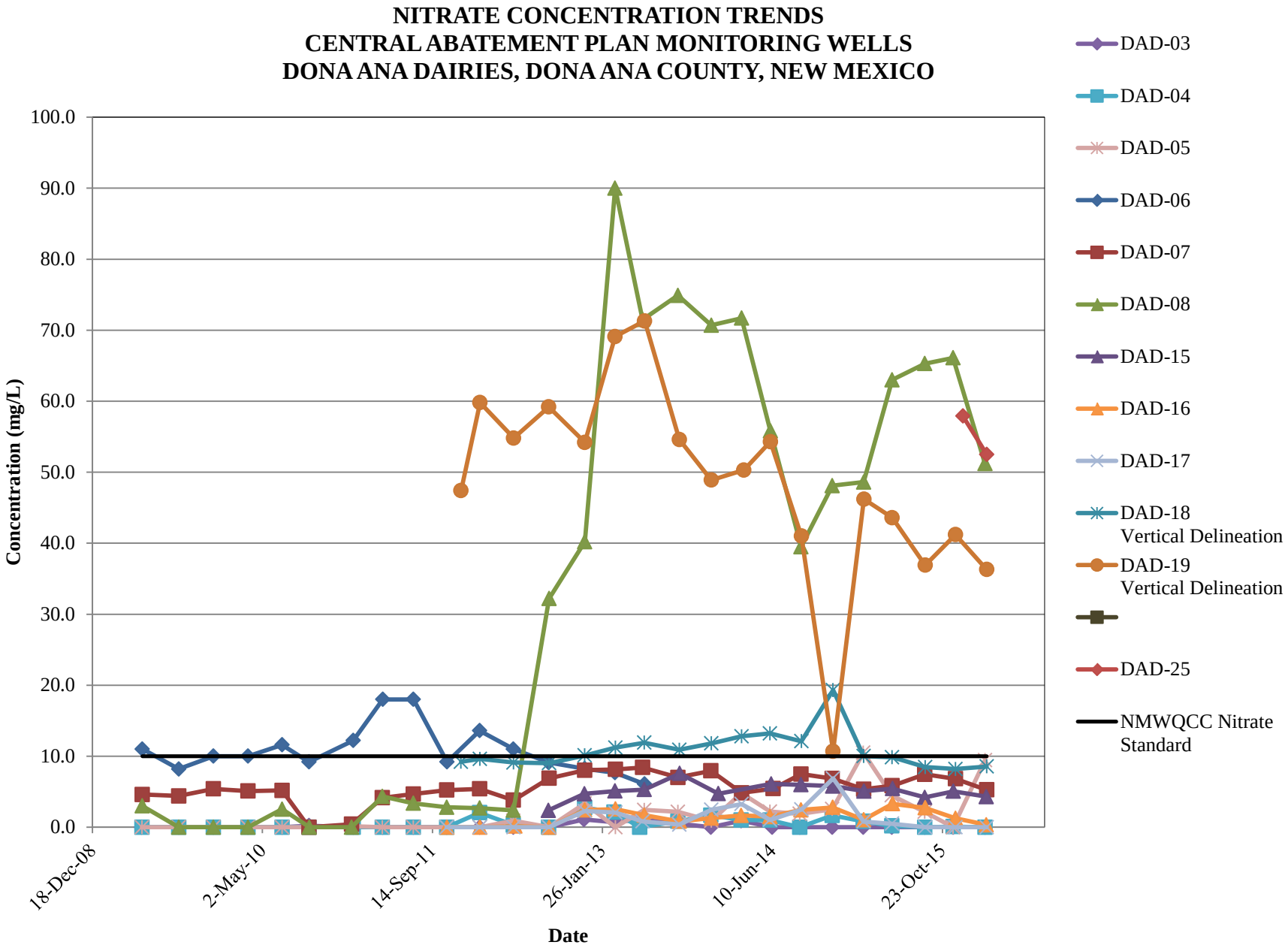

HYDROGRAPHS FOR SELECT DP MONITORING WELLS CENTRAL PORTION
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Head (Feet MSL)
3814
3812
3810
3808
3806
3804
3802
3800
3798
3796
3794
18-Jan-2007
28-Apr-2007
6-Aug-2007
14-Nov-2007
22-Feb-2008
1-Jun-2008
9-Sep-2008
18-Dec-2008
28-Mar-2009
6-Jul-2009
14-Oct-2009
22-Jan-2010
2-May-2010
10-Aug-2010
18-Nov-2010
26-Feb-2011
6-Jun-2011
14-Sep-2011
23-Dec-2011
1-Apr-2012
10-Jul-2012
18-Oct-2012
26-Jan-2013
6-May-2013
14-Aug-2013
22-Nov-2013
2-Mar-2014
10-Jun-2014
18-Sep-2014
27-Dec-2014
6-Apr-2015
15-Jul-2015
23-Oct-2015
31-Jan-2016
10-May-2016
18-Aug-2016
74-01
74-03
167-06
833-02
833-03
833-04
167-05
257-01
257-02
257-03

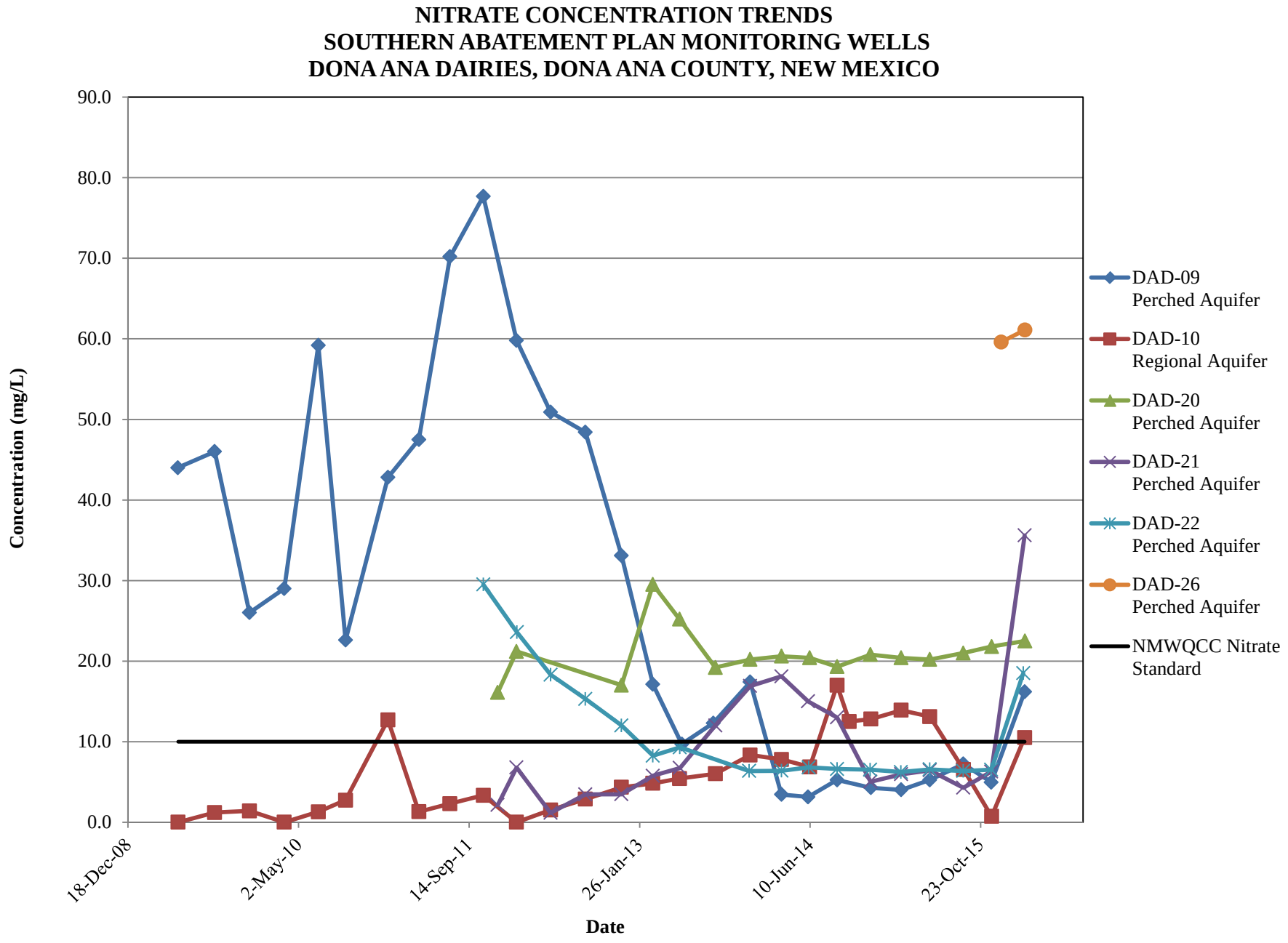
HYDROGRAPHS FOR DP MONITORING WELLS SOUTHERN PORTION
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

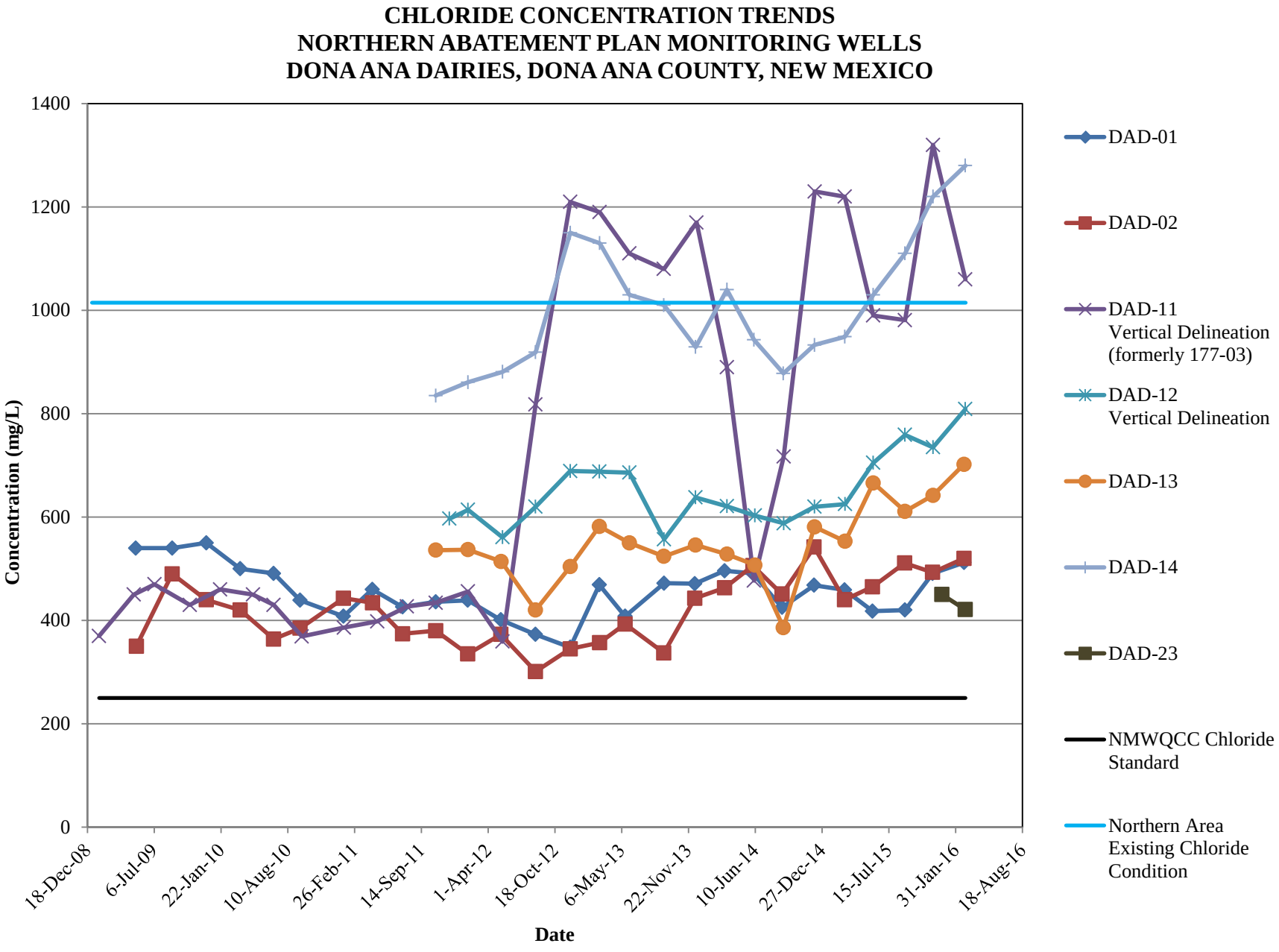


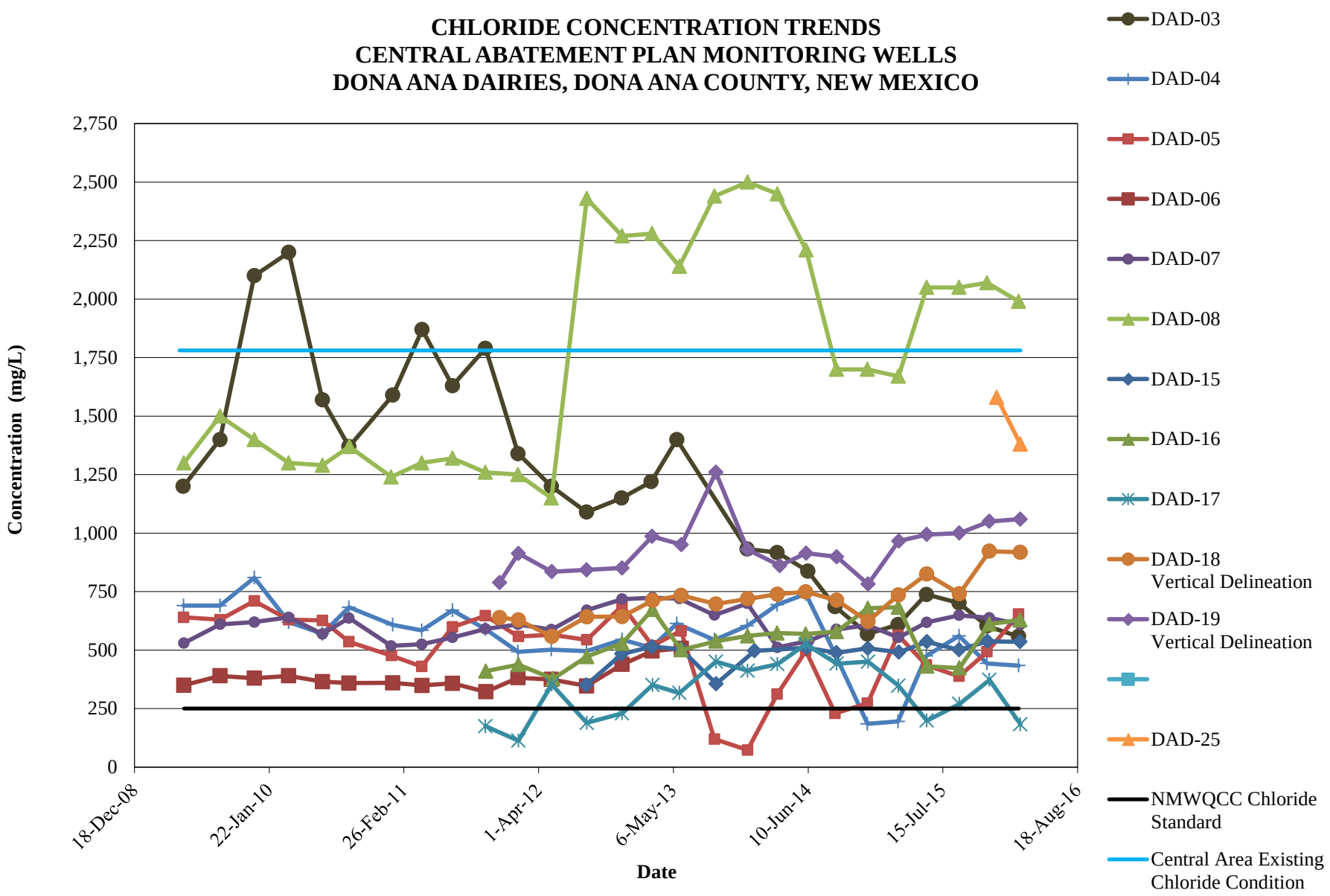
APPENDIX I
CONCENTRATION TRENDS

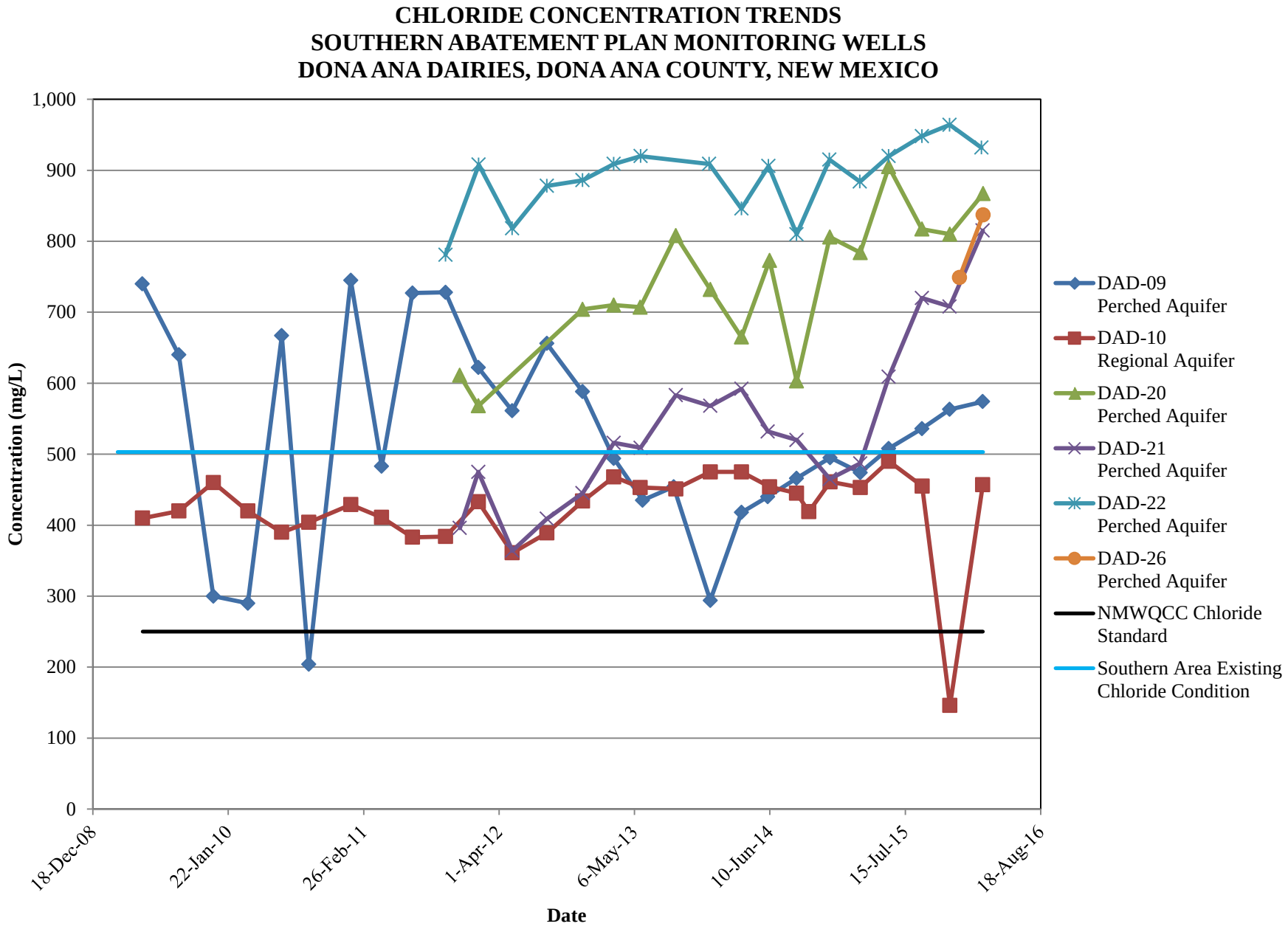

NITRATE CONCENTRATION TRENDS
NORTHERN ABATEMENT PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Concentration (mg/L)
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
1-Jun-08
18-Dec-08
6-Jul-09
22-Jan-10
10-Aug-10
26-Feb-11
14-Sep-11
1-Apr-12
18-Oct-12
6-May-13
22-Nov-13
10-Jun-14
27-Dec-14
15-Jul-15
31-Jan-16
18-Aug-16
Date
DAD-01
DAD-02
DAD-11
Vertical Delineation
(formerly 177-03)
DAD-12
Vertical Delineation
DAD-13
DAD-14
DAD-23
NMWQCC Nitrate
Standard

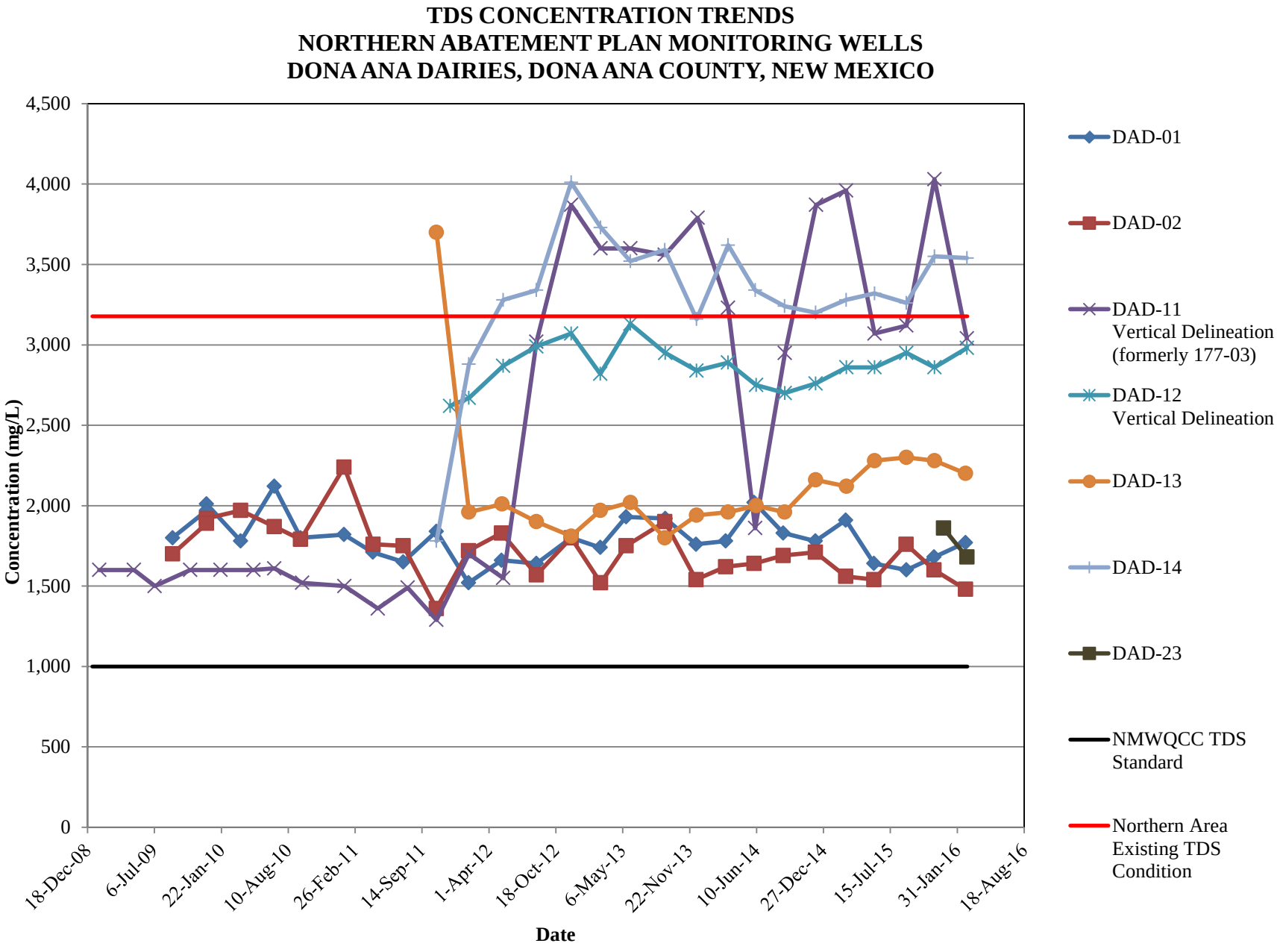

NITRATE CONCENTRATION TRENDS
CENTRAL ABATEMENT PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Concentration (mg/L)
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
18-Dec-08
2-May-10
14-Sep-11
26-Jan-13
10-Jun-14
23-Oct-15
Date
DAD-03
DAD-04
DAD-05
DAD-06
DAD-07
DAD-08
DAD-15
DAD-16
DAD-17
DAD-18 Vertical Delineation
DAD-19 Vertical Delineation
DAD-25
NMWQCC Nitrate Standard

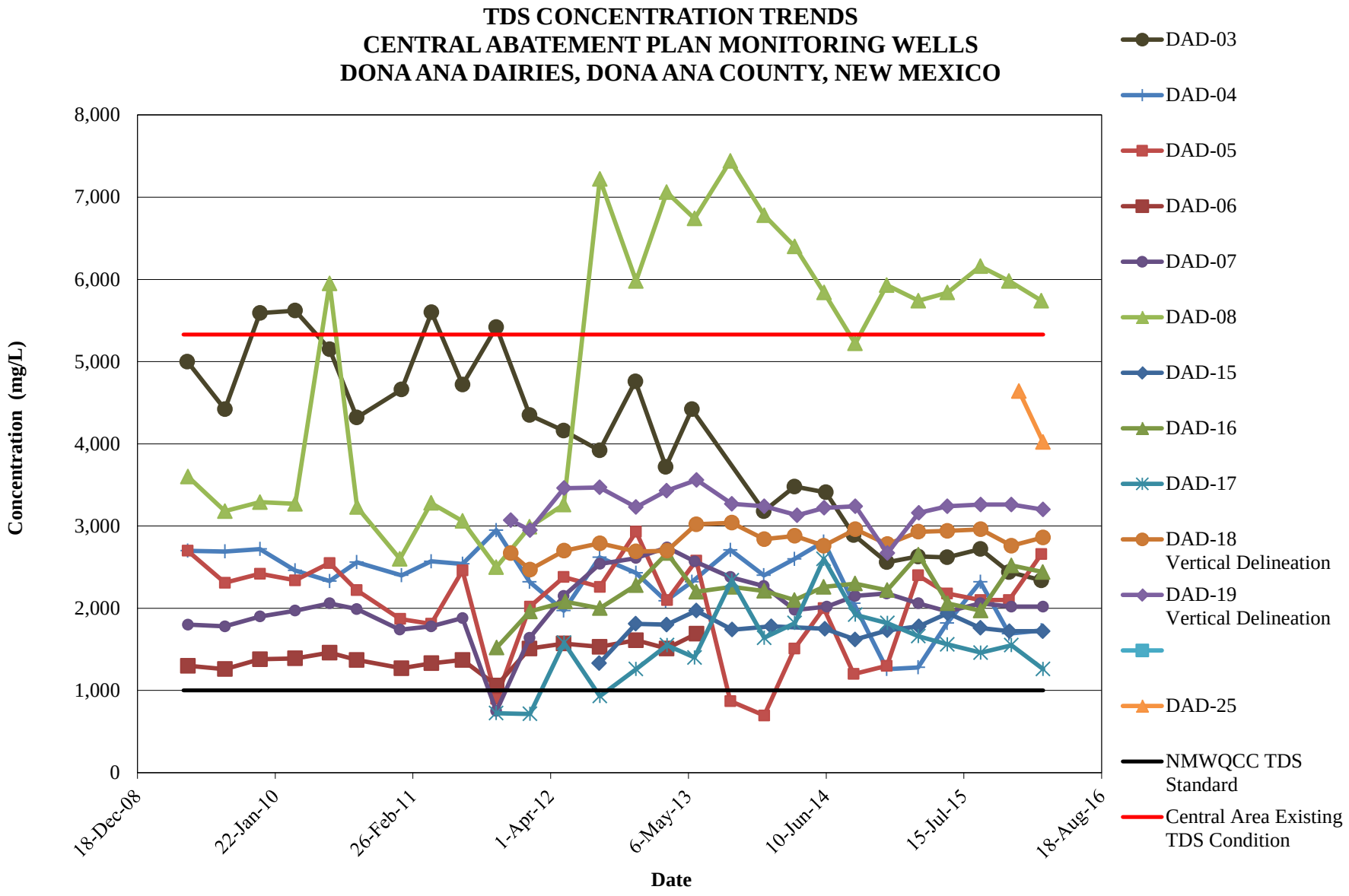

NITRATE CONCENTRATION TRENDS
SOUTHERN ABATEMENT PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Concentration (mg/L)
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
18-Dec-08
2-May-10
14-Sep-11
26-Jan-13
10-Jun-14
23-Oct-15
Date
DAD-09 Perched Aquifer
DAD-10 Regional Aquifer
DAD-20 Perched Aquifer
DAD-21 Perched Aquifer
DAD-22 Perched Aquifer
DAD-26 Perched Aquifer
NMWQCC Nitrate Standard

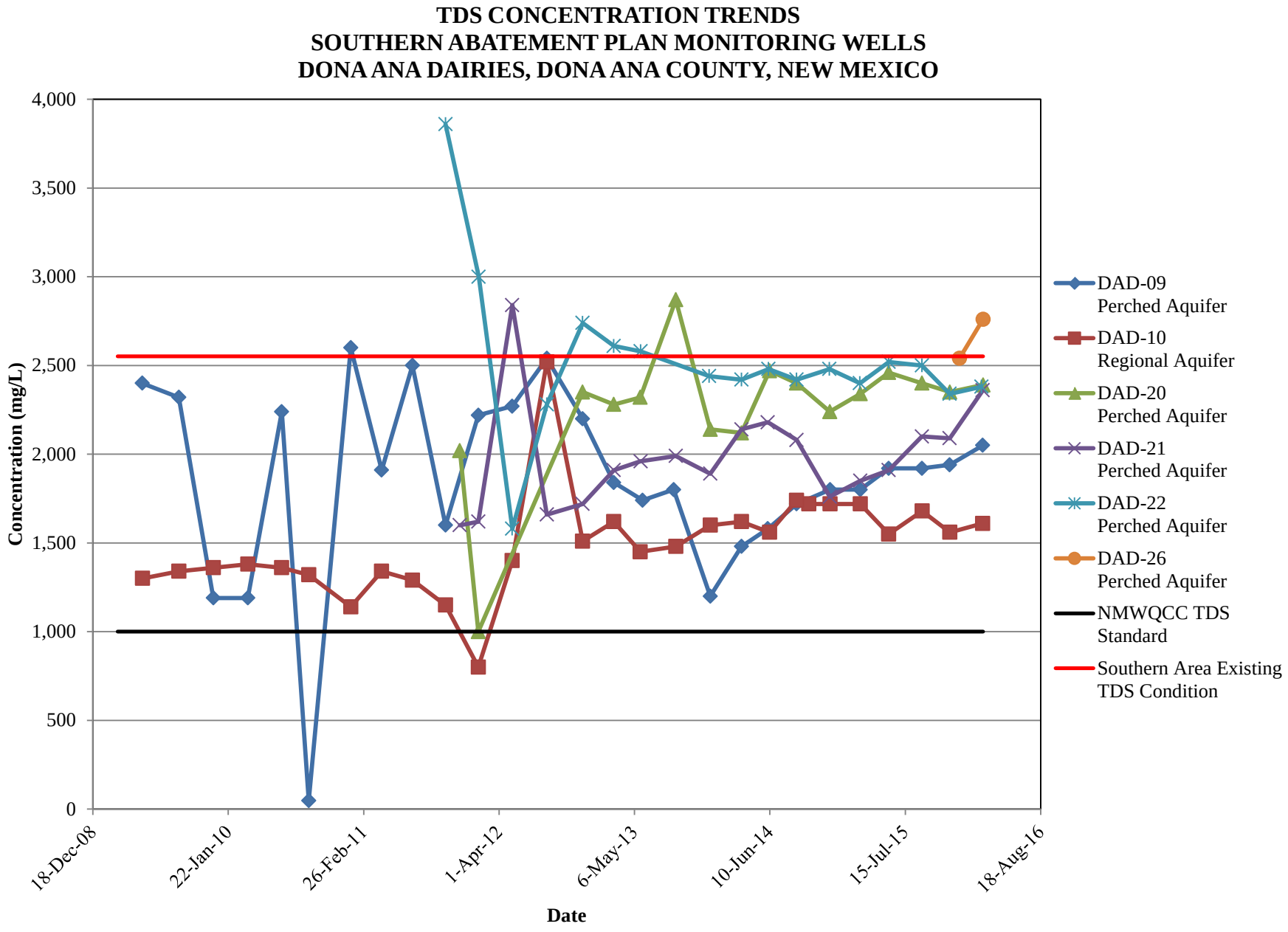

CHLORIDE CONCENTRATION TRENDS
NORTHERN ABATEMENT PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Concentration (mg/L)
1400
1200
1000
800
600
400
200
0
18-Dec-08
6-Jul-09
22-Jan-10
10-Aug-10
26-Feb-11
14-Sep-11
1-Apr-12
18-Oct-12
6-May-13
22-Nov-13
10-Jun-14
27-Dec-14
15-Jul-15
31-Jan-16
18-Aug-16
Date
DAD-01
DAD-02
DAD-11 Vertical Delineation (formerly 177-03)
DAD-12 Vertical Delineation
DAD-13
DAD-14
DAD-23
NMWQCC Chloride Standard
Northern Area Existing Chloride Condition


CHLORIDE CONCENTRATION TRENDS
CENTRAL ABATEMENT PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Concentration (mg/L)
2,750
2,500
2,250
2,000
1,750
1,500
1,250
1,000
750
500
250
0
18-Dec-08
22-Jan-10
26-Feb-11
1-Apr-12
6-May-13
10-Jun-14
15-Jul-15
18-Aug-16
Date
DAD-03
DAD-04
DAD-05
DAD-06
DAD-07
DAD-08
DAD-15
DAD-16
DAD-17
DAD-18
Vertical Delineation
DAD-19
Vertical Delineation
DAD-25
NMWQCC Chloride Standard
Central Area Existing Chloride Condition


CHLORIDE CONCENTRATION TRENDS
SOUTHERN ABATEMENT PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Concentration (mg/L)
1,000
900
800
700
600
500
400
300
200
100
0
18-Dec-08
22-Jan-10
26-Feb-11
1-Apr-12
6-May-13
10-Jun-14
15-Jul-15
18-Aug-16
Date
DAD-09 Perched Aquifer
DAD-10 Regional Aquifer
DAD-20 Perched Aquifer
DAD-21 Perched Aquifer
DAD-22 Perched Aquifer
DAD-26 Perched Aquifer
NMWQCC Chloride Standard
Southern Area Existing Chloride Condition


TDS CONCENTRATION TRENDS
NORTHERN ABATEMENT PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Concentration (mg/L)
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
18-Dec-08
6-Jul-09
22-Jan-10
10-Aug-10
26-Feb-11
14-Sep-11
1-Apr-12
18-Oct-12
6-May-13
22-Nov-13
10-Jun-14
27-Dec-14
15-Jul-15
31-Jan-16
18-Aug-16
Date
DAD-01
DAD-02
DAD-11 Vertical Delineation (formerly 177-03)
DAD-12 Vertical Delineation
DAD-13
DAD-14
DAD-23
NMWQCC TDS Standard
Northern Area Existing TDS Condition


TDS CONCENTRATION TRENDS
CENTRAL ABATEMENT PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Concentration (mg/L)
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
18-Dec-08
22-Jan-10
26-Feb-11
1-Apr-12
6-May-13
10-Jun-14
15-Jul-15
18-Aug-16
Date
DAD-03
DAD-04
DAD-05
DAD-06
DAD-07
DAD-08
DAD-15
DAD-16
DAD-17
DAD-18
Vertical Delineation
DAD-19
Vertical Delineation
DAD-25
NMWQCC TDS
Standard
Central Area Existing
TDS Condition


TDS CONCENTRATION TRENDS
SOUTHERN ABATEMENT PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Concentration (mg/L)
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
18-Dec-08
22-Jan-10
26-Feb-11
1-Apr-12
6-May-13
10-Jun-14
15-Jul-15
18-Aug-16
Date
DAD-09 Perched Aquifer
DAD-10 Regional Aquifer
DAD-20 Perched Aquifer
DAD-21 Perched Aquifer
DAD-22 Perched Aquifer
DAD-26 Perched Aquifer
NMWQCC TDS Standard
Southern Area Existing TDS Condition

APPENDIX J
STATISTICAL ANALYSIS SUMMARY
(Electronic Format – CD)

Files are included on the report CD
located on the inside front cover of this report.