

APPENDIX J-1
Groundwater Resources Evaluation

**Groundwater Resources Evaluation
for the
Campo Wind Project with Boulder Brush Facilities**

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ACRONYMS AND ABBREVIATIONS

Acronym/Abbreviation	Definition
amsl	above mean sea level
bgs	below ground surface
BIA	Bureau of Indian Affairs
CIMIS	California Irrigation Management Information System
DG	decomposed granite
ECO Substation Project	East County Substation Project
ET	evapotranspiration
ETo	reference evapotranspiration
HA	hydrologic area
HSA	hydrologic subarea
HU	hydrologic unit
IFSAR	interferometric synthetic aperture radar
LOSWC	Live Oak Springs Water Company
MCL	maximum contaminant level
NEPA	National Environmental Policy Act
O&M	operations and maintenance
Project	Campo Wind Project with Boulder Brush Facilities
Reservation	Campo Band of Diegueño Mission Indians Reservation
SDG&E	San Diego Gas & Electric
TDS	total dissolved solids
USDA	U.S. Department of Agriculture
USGS	U.S. Geological Survey

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1 INTRODUCTION

1.1 Purpose

This Groundwater Resources Evaluation has been prepared to evaluate potential groundwater resource impacts associated with the Campo Wind Project with Boulder Brush Facilities (Project) on and northeast of the Campo Band of Diegueño Mission Indians (Tribe) Reservation (Reservation) in eastern San Diego County, California. This Groundwater Resources Evaluation has been prepared in accordance with the National Environmental Policy Act (NEPA) (USC Title 42, Section 4321 et seq. and CFR Title 40, Parts 1500 through 1508). Methods promulgated by Bureau of Land Management, State of California, and the County of San Diego were reviewed and used as guidance to develop an approach for evaluating the potential effects of the Project on groundwater resources.

1.2 Project Description

The County of San Diego (County) is the Lead Agency for the Project under the California Environmental Quality Act (CEQA). The Bureau of Indian Affairs (BIA) is the Lead Agency for the Project under the NEPA and has prepared an Environmental Impact Statement (EIS) for the Project.

The Project consists of the Campo Wind Facilities that would be located on land leased from the Tribe within the Reservation Boundary, and the Boulder Brush Facilities that would be located on adjacent land to the northeast of the Reservation leased from a private landowner within the Boulder Brush Boundary. Implementation of the Campo Wind Facilities requires BIA approval of a 25-year lease (with the possibility of a 13-year extension) of land within the Reservation Boundary between the Tribe and the Developer (Campo Lease). Approval of the Campo Lease would allow Terra-Gen Development Company LLC to develop, construct, operate, maintain, and ultimately decommission the Campo Wind Facilities on leased land within the Reservation Boundary. Approval of the Campo Lease will authorize the Tribe's lease of trust land consistent with federal laws and regulations governing the leasing of tribal trust lands and the federal trust responsibility to tribes. Collectively, the land within both the Reservation Boundary and Boulder Brush Boundary comprise the Project Area. Throughout this document, the term "On-Reservation" refers to anything within the Reservation Boundary, whereas the term "Off-Reservation" refers to anything outside of the Reservation Boundary.

The Campo Wind Facilities, which would consist of 60 wind turbines and associated infrastructure, would be located within a corridor of approximately 2,200 acres of land (Campo Corridor) within the approximately 16,000-acre Reservation Boundary. The Boulder Brush Facilities, which would consist of a portion of the Project generation transmission line and related facilities to connect

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energy generated by the Project to the existing San Diego Gas & Electric (SDG&E) Sunrise Powerlink, would be located within a corridor of approximately 320 acres of land (Boulder Brush Corridor) within the approximately 2,000-acre Boulder Brush Boundary. These Private Lease lands are under the land use and permitting jurisdiction of the County. Collectively, the Campo Corridor and the Boulder Brush Corridor compose the approximately 2,520-acre Project Site. Project disturbances associated with the construction of the Campo Wind Facilities within the Campo Corridor are expected to be approximately 800 acres, whereas Project disturbances associated with the construction of the Boulder Brush Facilities within the Boulder Brush Corridor are expected to be approximately 130 acres.

The Project as a whole would consist of the construction, operation, maintenance, and ultimately the decommissioning of a renewable wind energy generation project consisting of 60 wind turbines, three permanent meteorological (MET) towers, six temporary MET towers, a temporary concrete batch plant for use during construction, a temporary equipment staging and parking area for use during construction, an operations and maintenance (O&M) facility, water collection and septic systems, access roads, an electrical collection and communications system (ECCS), an approximately 8.5-mile-long generation transmission (gen-tie) line, a collector substation, a high-voltage substation, and a switchyard to interconnect the Project to the existing SDG&E Sunrise Powerlink. The Project would operate for more than 30 years, after which it would be decommissioned, except for the SDG&E-owned and operated switchyard and connection lines to Sunrise Powerlink, which would not be decommissioned.

For the purposes of this report, “study area” refers to the entire watershed evaluated for recharge within the Reservation Boundary (which includes the wellfield), whereas “Project Site” refers only to the disturbance areas depicted on Figure 2.

1.3 General Setting

On-site elevations range from approximately 3,030 to 4,320 feet above mean sea level (amsl).

The Project Area consists of moderate to steep terrain atop a semiarid plateau, which is adjacent to the Laguna Mountains on the west and slopes descending to valleys to the east. The Project Area lies within a transitional region between the California Peninsular Ranges physiographic province (to the west) and the westernmost reach of the Colorado Desert (to the east), and consists of largely undeveloped high desert rolling hills. Broad desert plains, alluvial fans, and shallow valleys, including McCain Valley and Jewel Valley, separate local mountains and prominent topography in the Project Area. Various large rock-outcrops of light-colored granitic boulders (tonalite) are scattered throughout the Project Area and regularly distributed along ridgelines.

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In addition to the existing 25 wind turbines located atop the Tecate Divide and a nearby electrical substation, development on the Reservation includes the Golden Acorn Casino and surrounding surface parking lot, scattered rural residential development, tribal government and public service development off Church Road/BIA Road 10, paved roads and unpaved access roads. In addition, several overhead electrical transmission lines and an inactive railroad track traverse the Reservation.

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2 STUDY METHODOLOGY

The Project Site is primarily on sovereign tribal Reservation lands that are administered under the jurisdiction of the BIA, the lead NEPA agency. To be NEPA-compliant, a groundwater resources evaluation must assess (1) the environmental impact of the proposed action, (2) any adverse environmental effects that cannot be avoided should the proposal be implemented, (3) alternatives to the proposed action, (4) the relationship between local short-term uses of man's environment and the maintenance and enhancement of long-term productivity, and (5) any irreversible and irretrievable commitments of resources that would be involved in the proposed action should it be implemented (40 CFR Parts 1500–1508 Sec. 102 [42 USC Section 4332][C]). The findings must then be comparatively evaluated, using an evaluation methodology to assess the level of change (contrast) between existing and proposed groundwater resources, and ultimately determine the level of significant impact, if any.

While the County of San Diego has no jurisdiction over land or groundwater use on the Reservation, this groundwater resources evaluation uses the County of San Diego's groundwater significance thresholds from the County Groundwater Ordinance and Guidelines for Determining Significance and Report Format and Content Requirements: Groundwater Resources (County of San Diego 2013, 2007). This approach was used to clearly investigate groundwater impacts from Project groundwater use and to allow for comparison of impacts between this Project and other projects within the county that may be evaluated using these guidelines.

2.1 County Groundwater Regulations

The County Guidelines for Determining Significance—Groundwater Resources contain a series of thresholds for determining significance for both groundwater quantity and groundwater quality. To evaluate impacts to groundwater resources, a water balance analysis is typically required. The County Guidelines for Determining Significance—Groundwater Resources contains the following guideline that, if met, would be considered a significant impact to local groundwater resources as a result of Project implementation:

For proposed projects in fractured rock basins, groundwater impacts will be considered significant if a soil moisture balance, or equivalent analysis, conducted using a minimum of 30 years of precipitation data, including drought periods, concludes that at any time groundwater in storage is reduced to a level of 50% or less as a result of groundwater extraction (County of San Diego 2007).

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To evaluate off-site well interference as a result of this Project, the following guideline for determining significance is typically used:

Fractured Rock Well: As an initial screening tool, off-site well interference will be considered a significant impact if after a five year projection of drawdown, the results indicate a decrease in water level of 20 feet or more in the off-site wells. If site-specific data indicates water bearing fractures exist which substantiate an interval of more than 400 feet between the static water level in each off-site well and the deepest major water bearing fracture in the well(s), a decrease in saturated thickness of 5% or more in the off-site well would be considered a significant impact (County of San Diego 2007).

Alluvial Well: As an initial screening tool, off-site well interference will be considered a significant impact if after a five year projection of drawdown, the results indicate a decrease in water level of 5 feet or more in the off-site wells. If site-specific data indicates alluvium or sedimentary rocks exist which substantiate a saturated thickness greater than 100 feet in off-site wells, a decrease in saturated thickness of 5% or more in the off-site wells would be considered a significant impact (County of San Diego 2007).

To evaluate groundwater quality impacts as a result of this Project, the following guideline for determining significance is typically used:

Groundwater resources for proposed projects requiring a potable water source must not exceed the Primary State or Federal Maximum Contaminant Levels (MCLs) for applicable contaminants. Proposed projects that cannot demonstrate compliance with applicable MCLs will be considered to have a significant impact. In general, projects will be required to sample water supply wells for nitrate, bacteria (fecal and total coliform), and radioactive elements. Projects may be required to sample other contaminants of potential concern depending on the geographical location within the County.

To evaluate groundwater impacts to groundwater dependent habitat as a result of this Project, the following guideline for determining significance is typically used:

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The project would draw down the groundwater table to the detriment of groundwater-dependent habitat, typically a drop of 3 feet or more from historical low groundwater levels (County of San Diego 2010a).¹

The Reservation is governed under authority of the Campo Constitution on sovereign tribal Reservation lands that are administered under the jurisdiction of the BIA. Thus, the Reservation is not subject to the County's Groundwater Ordinance (County of San Diego 2013).

¹ Studies have found that groundwater reductions adversely affect native plant species. Two of the referenced studies (Integrated Urban Forestry, 2001 and National Research Council, 2002) found that permanent reduction in groundwater elevation levels of greater than three feet is enough to induce water stress in some riparian trees, particularly willow (*Salix* spp.), cottonwood (*Populus* spp.) and *Baccharis* species.

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3 EXISTING CONDITIONS

The following subsections include descriptions of the physical, geologic, and hydrogeologic characteristics of the Project and the Project's watershed. Included are details regarding topography, climate, land use, geology, soils, hydrogeologic units, hydrologic inventory, groundwater levels, groundwater demand, and water quality.

3.1 Topographic Setting

The Project is located on either side of the Tecate Divide, which is a series of ridgelines separating drainages that discharge to the Salton Sea from drainages that discharge to the Pacific Ocean. The majority of the Reservation Boundary intersects the Clover Flat Hydrologic Subarea (HSA; 911.83), Hill HSA (911.84), and Hipass HSA (911.85). All of these HSAs are part of the Campo Hydrologic Area (HA; 911.80) and the Cameron HA (911.70), which are both part of the Tijuana Hydrologic Unit (HU; 911.00) that drains toward the Pacific Ocean (Figure 3). The northeastern corner of the Reservation Boundary and the entirety of the Boulder Brush Facilities is located in the McCain HSA (722.71) of the Jacumba HA (722.70) of the Anza Borrego HU (722.00; Figure 3). The property ranges in elevation from approximately 3,030 to 4,320 feet amsl.

The southern portion of the Reservation, where the wellfield is located, occupies a gentle west-facing slope. This slope is contiguous with a system of ridges that extend to the Tecate Divide. A ridge crosses the wellfield area, and it appears to be a minor surface water divide separating flows that move directly west that drain to Campo Creek and flows that go south towards Mexico. Elevations in the wellfield range from approximately 3,330 to 4,350 feet amsl.

3.2 Climate

The study area experiences warm summer months and cool winters. Average temperatures vary widely within the region. Mean maximum temperatures in the summer months reach the high-80s to low-90s (degrees Fahrenheit), while dropping into the high-60s (degrees Fahrenheit) in the fall months. Temperatures may fall below freezing in the winter, with snow levels occasionally below 2,500 feet. Table 3-1 displays the average monthly, and annual minimum and maximum temperatures from the Campo station located approximately 4 miles west of the Project at 32°37' north latitude, 116°28' west longitude, and an elevation of 2,630 feet (Figure 4). Temperature records were not available for the other weather stations in the area.

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Table 3-1
Climate Temperature Data Recorded at Campo Station, California

Month	Temperatures (°F) 1948–2017				
	Monthly Averages			Record Extremes	
	Daily Maximum	Daily Minimum	Monthly	Record High	Record Low
January	62.4	33.8	48.1	85	10
February	64.0	33.9	48.9	89	12
March	66.7	35.1	50.9	92	15
April	71.7	37.0	54.4	99	20
May	78.0	41.0	59.4	103	25
June	87.1	44.7	65.9	110	29
July	93.9	52.6	73.2	111	34
August	93.8	53.1	73.4	107	30
September	89.5	49.0	69.2	107	29
October	79.9	42.1	60.9	103	22
November	69.6	36.5	53.0	94	16
December	62.8	32.9	47.9	86	12
Annual/Record	76.5	41.0	58.8	111	10

Source: WRCC 2018.

Notes: Campo Station is located at 32°37', -116°28' at an elevation of 2,630 feet.

Precipitation records from five nearby rain gauges were obtained to determine annual average rainfall at the Project Site. The rain gauges are located in Boulevard (two stations), Tierra del Sol, Morning Star Ranch, and Campo. The location (latitude and longitude), elevation, years of operation, mean annual rainfall and source of data are provided in Table 3-2. Figure 4 also depicts the locations of the rain gauges.

Table 3-2
Rain Gauges in Project Vicinity

Station	Location	Elevation (feet amsl)	Years of Operation	Average Annual Rainfall (inches)	Source
Boulevard 1	N 32°40', W 116°17'	3,353	1924 to 1967	14.8	WRCC 2012a
Boulevard 2	N 32°40', W 116°18'	3,600	1969 to 1994	17.0	WRCC 2012b
Tierra del Sol	N 32°39', W 116°19'	4,000	1971 to 2017	10.8	Allan 2018
Morning Star Ranch	N 32°37', W 116°21'	3,659	1990 to 2005	15.8	Ponce 2006
Campo	N 32°37', W 116°28'	2,630	1972 to 2017	16.2	WRCC 2018; Moyle and Downing 1978

Notes: amsl = above mean sea level.

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Table 3-3 displays average monthly precipitation data and the highest daily precipitation from 1924 to 1967, as collected from the Boulevard Station 1 located approximately 3.5 miles east of the Project at 32°40' north latitude, 116°18' west longitude, and an elevation of 3,250 feet (WRCC 2012a). The majority of the rainfall occurs during the winter months. Average annual precipitation in the study area, based on the gauging station at Boulevard Station, is 14.84 inches, with December recording the highest monthly average of 2.58 inches and June recording the lowest monthly average of 0.04 inches.

Table 3-3
Precipitation Data Recorded at Boulevard Station 1, California

Month	Rainfall (inches) 1924–1967 ^a			
	Average	Highest/Year	Lowest/Year	Highest Daily
January	2.26	7.98/1930	0/1942	2.00
February	2.30	11.58/1927	0/1961	3.76
March	2.13	7.21/1952	0/1959	2.30
April	1.33	4.79/1941	0/1934	1.95
May	0.38	2.64/1957	0/1934	0.93
June	0.04	0.64/1925	0/1928	0.55
July	0.41	2.57/1938	0/1928	1.97
August	1.01	4.96/1936	0/1928	4.00
September	0.66	5.94/1939	0/1928	3.82
October	0.70	3.85/1925	0/1937	3.85
November	1.03	5.74/1965	0/1937	3.30
December	2.58	10.70/1926	0/1958	3.85
Year	14.84 ^a	24.50/1936	6.29/1953	4.00

Source: WRCC 2012a.

Notes:

Boulevard Station 1 located at N 32°40', W 116°18', at an elevation of 3,250 feet from 1924 to 1967.

Boulevard Station 2 located at N 32°40', W 116°17', at an elevation of 3,359 feet from 1969 to 1994.

^a Average values for years 1924–1967, including years with missing data.

According to historical precipitation data recorded from 1924 to 1994 from the combined Boulevard weather stations 1 and 2, the average annual precipitation is approximately 15.0 inches per year (as calculated for years with complete data), with 90% of precipitation occurring between October and April (WRCC 2012a, 2012b). Annual precipitation totals recorded from 1931 to 1994 at the Boulevard weather stations vary significantly from year to year, depicted as follows in Exhibit 3-A.

Using the historical precipitation records from the Tierra del Sol monitoring station located at 32°39' north latitude, 116°19' west longitude, and an elevation of 4,000 feet from 1971 to 2017, average annual precipitation over a 46-year period is approximately 10.8 inches (Exhibit 3-B).

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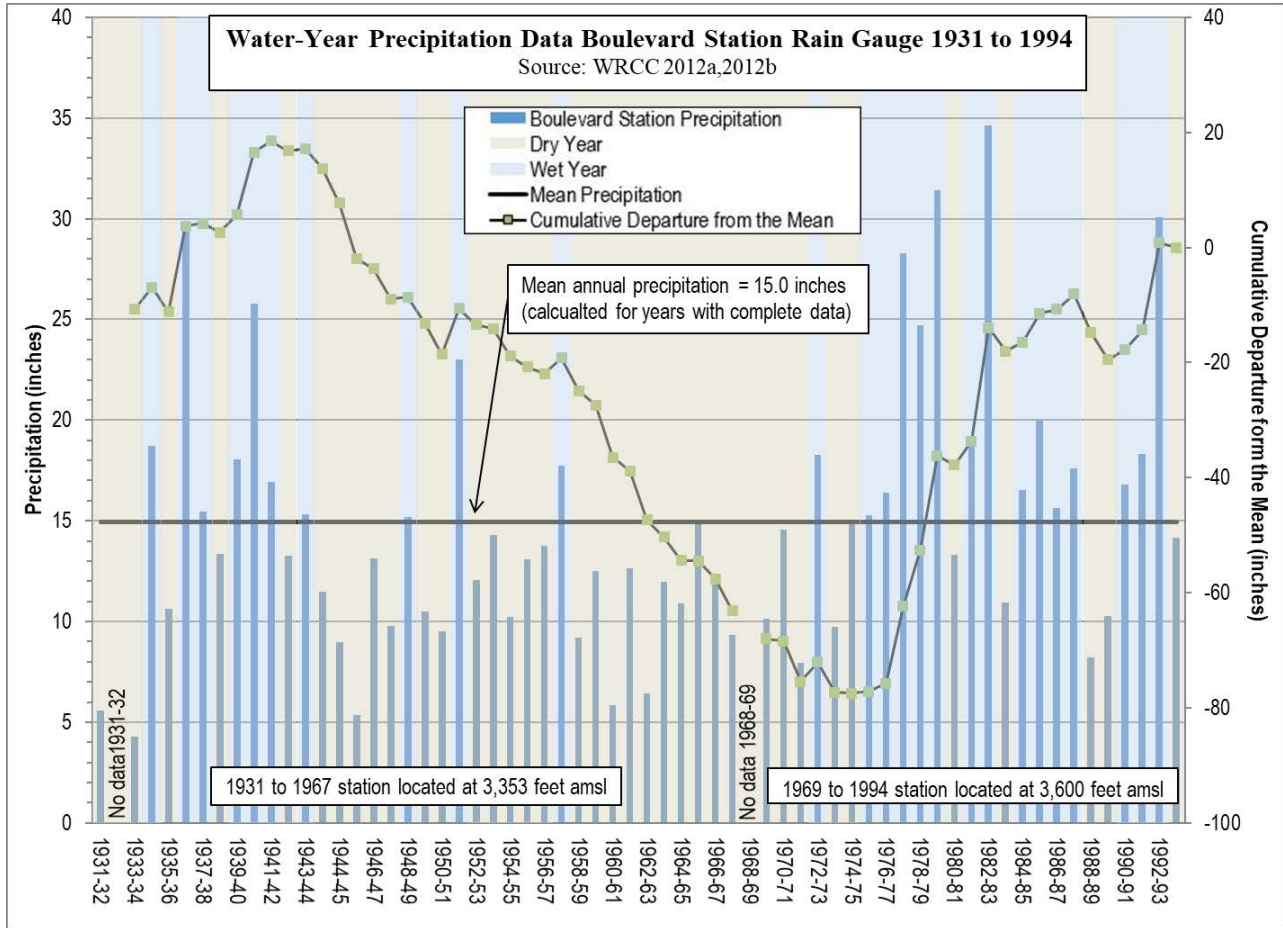
A comparison of the available same-water-year precipitation data from Tierra del Sol, Boulevard, Campo, and Morning Star Ranch indicates that annual precipitation values are typically less at the Tierra del Sol Station (Exhibit 3-D). Precipitation measured at Campo Station from 1972 to 2017 indicates an average annual precipitation of 16.2 inches (Exhibit 3-C), as compared to only 10.8 inches at Tierra del Sol over the same 46-year period (Exhibit 3-B). Precipitation data measured at the Morning Star Ranch, located approximately 0.25 miles east of the Project at 32°37' north latitude, 116°21' west longitude and, an elevation 3,659 feet, had an average annual precipitation of 15.9 inches from 1990 to 2005 (Ponce 2006). The Tierra del Sol Station averaged 12.6 inches annually over the same period. The Project Area is located in the 14-inch annual precipitation isohyet (Figure 4).

The discrepancy in rainfall recorded at Tierra del Sol as compared to the other three rain gauges may be due to (1) variability in rainfall, (2) strength of wind at the gauge affecting how much water collects in the gauge, or (3) differences in the type of rain gauges used. Precipitation in the region can vary during the summer months when convective precipitation (thunderstorms) dominates. This precipitation is highly localized. During the rest of the year, most rain is stratiform (i.e., caused by frontal systems) in the local region with some orographic precipitation occurring due to higher elevation of the area relative to the coast. Convective rainfall may explain some, but likely not all, variation in the rainfall record. An additional source of variability in the rainfall record is the local wind strength and gauge placement. At higher wind speeds less rain is caught in the rain gauge due to turbulent flow around the gauge. The rain gauge at Boulevard was located relatively close to the surface of the ground (where the airflow is slower due to friction) in a relatively protected area. In contrast, the rain gauge at Tierra del Sol is located about 8 feet above the ground on a ridgeline subject to fairly high winds during storms. This difference in the gauge height and local wind strength could account for a significant portion of the discrepancy between the stations (Allan, pers. comm. 2012). The rain gauge that previously existed at Boulevard and the rain gauge at Campo are standard rain gauges commonly used by the National Weather Service for official rain gauge manual observations. The rain gauge at Tierra del Sol is a tipping bucket rain gauge typically used in automated observations. Each type of rain gauge has its own unique rain-catch characteristics. As a result of the way that rainfall is directed into the tipping bucket, it frequently registers a lower amount of rain relative to the standard rain gauge (Allan, pers. comm. 2012).

Based on review of local rainfall data in the Project Area, it appears that the Tierra del Sol rain gauge underestimated rainfall by 20%–28% during the last 46-year period. Therefore, the water balance analysis presented in Chapter 4 used the Campo precipitation data, which is likely more representative of the regional precipitation. Total annual precipitation has been recorded near Campo at the Leach Ranch since 1877 with continuous data available since 1900. The annual precipitation at Leach Ranch ranges from 5.47 to 34.48 inches over the period of record (Exhibit 3-C).

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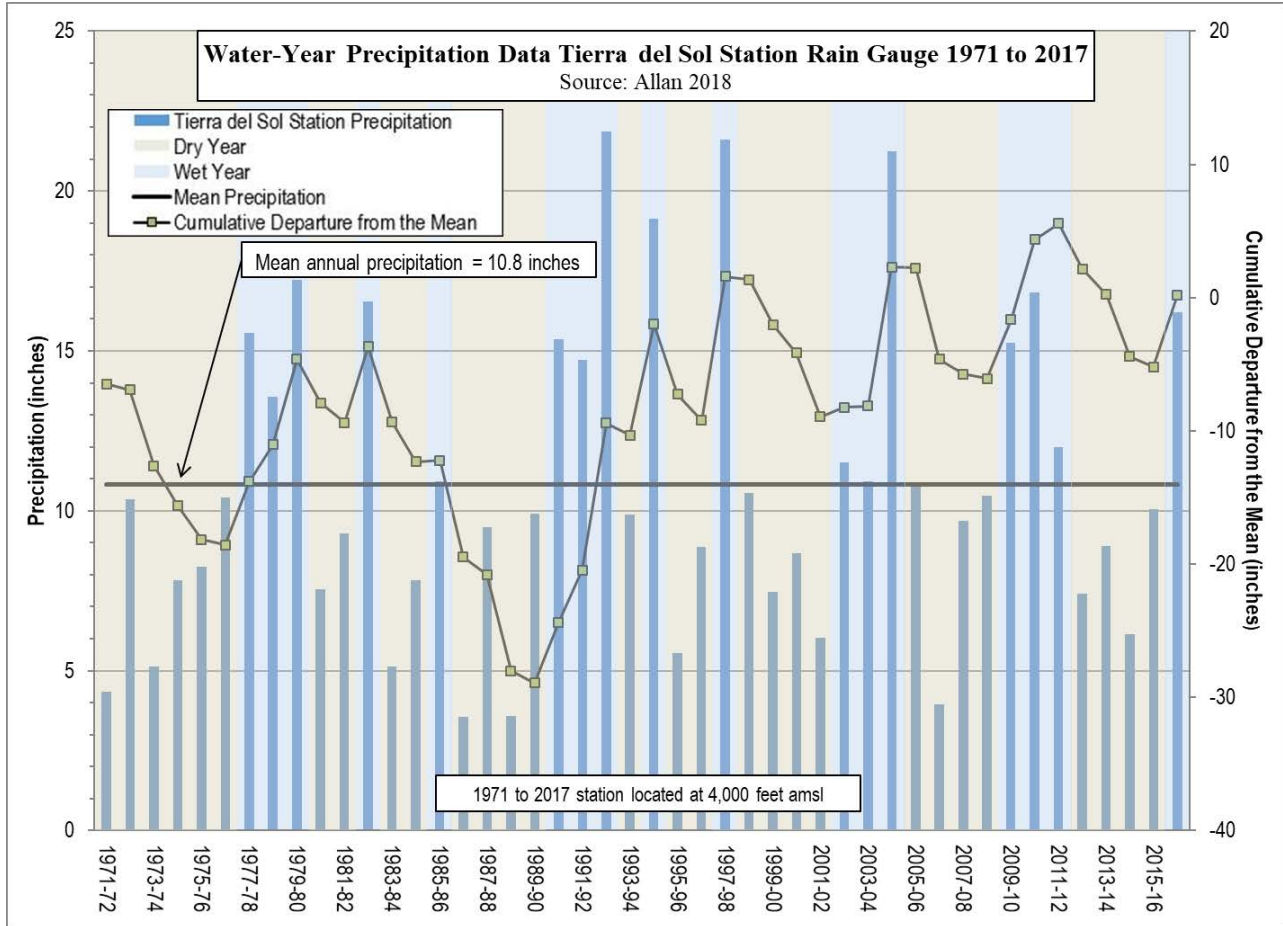
Exhibit 3-A
Annual Precipitation Data Boulevard Stations 1931–1994



Notes: Boulevard Station 1 located at N 32°40', W 116°17' at an elevation of 3,353 feet from 1924 to 1967 (WRCC 2012a).
 Boulevard Station 2 located at N 32°40', W 116°18' at an elevation of 3,600 from 1969 to 1994 (WRCC 2012b).

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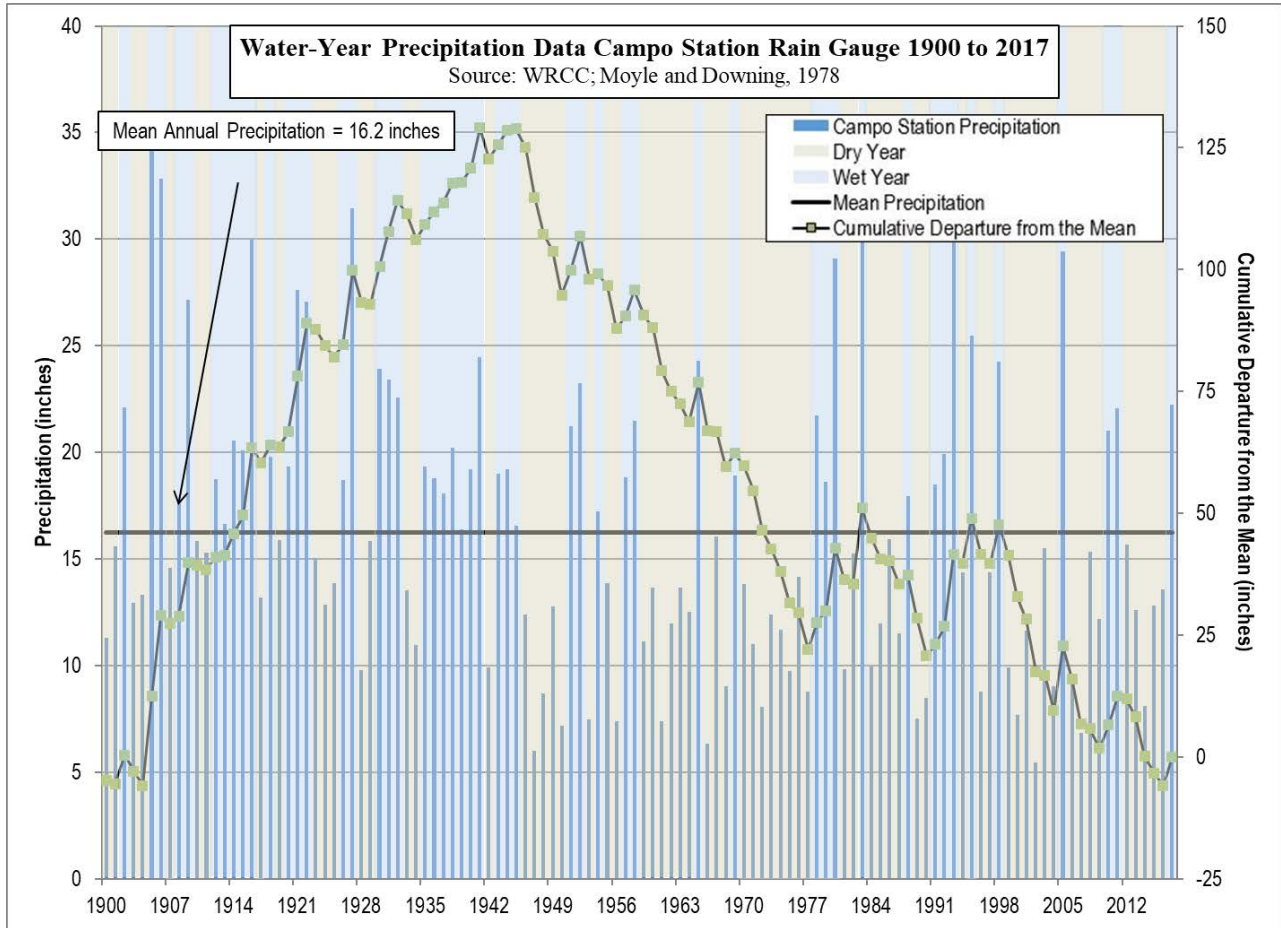
Exhibit 3-B
Annual Precipitation Data Tierra del Sol Station 1971–2017



Notes: Station located at N 32°39', W 116°19' at an elevation of 4,000 feet.

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Exhibit 3-C
Annual Precipitation Data Campo Station 1900–2017

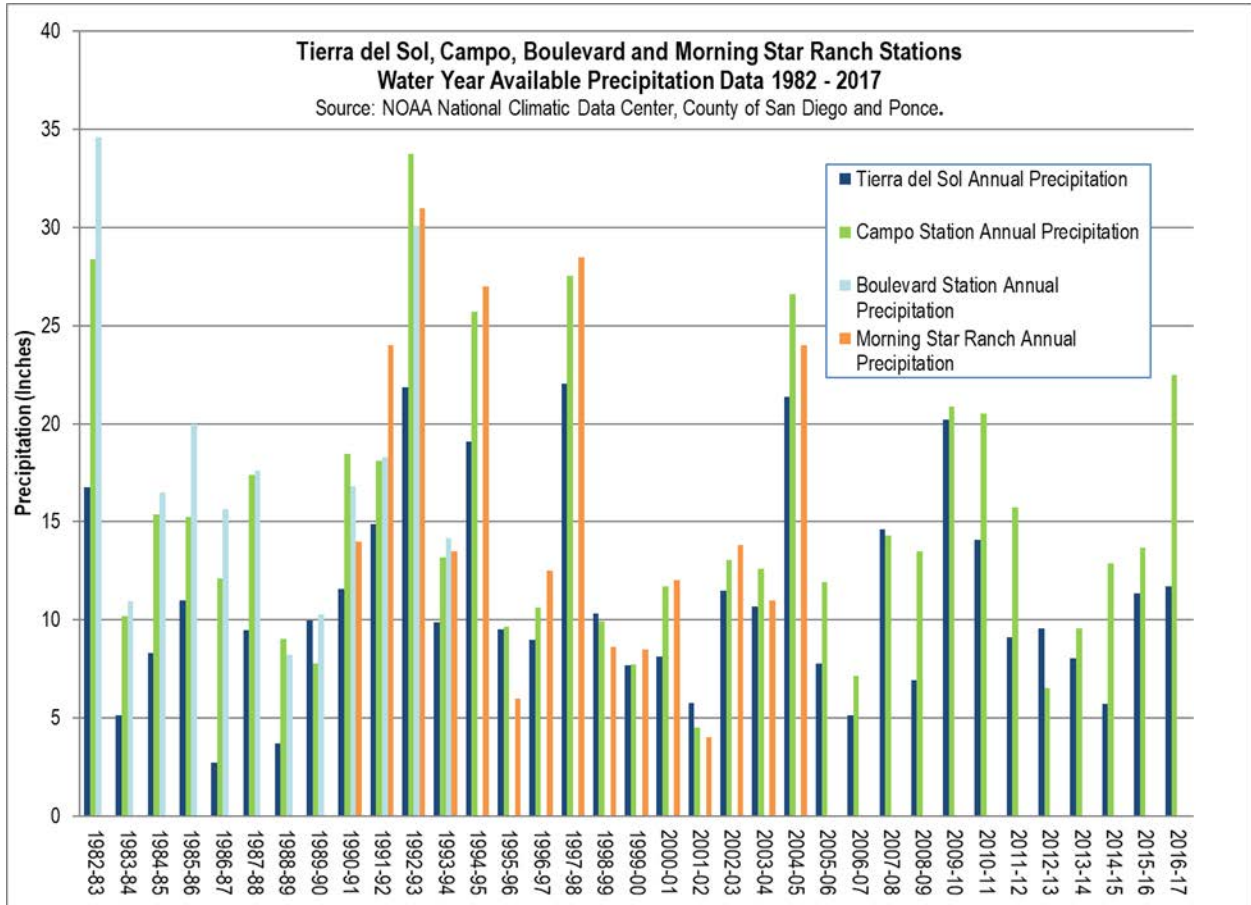


Source: WRCC 2018; Moyle and Downing 1978.

Notes: Station located at N 32°37', W 116°28' at an elevation of 2,630 feet.

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Exhibit 3-D
Water Year Precipitation Data 1982–2017



According to the State of California Reference Evapotranspiration Map developed by the California Irrigation Management Information System (CIMIS), the Project is located in Evapotranspiration Zone 16, with an average of 62.5 inches of reference evapotranspiration (ET_o) per year (CIMIS 1999). As no local CIMIS station is located in the study area, the ET_o zones map was used to determine monthly ET_o in the water balance analysis presented in Chapter 4. Table 3-4 presents ET_o by month in CIMIS Zone 16. The annual 62.5 inches of ET_o is based on potential evapotranspiration (ET) from turf grass/alfalfa crop, which assumes a continuous source of moisture and does not consider summer plant dormancy.

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Table 3-4
California Irrigation Management Information System Zone 16
Reference Evapotranspiration

Month	ETo (inches)
January	1.55
February	2.52
March	4.03
April	5.7
May	7.75
June	8.7
July	9.3
August	8.37
September	6.3
October	4.34
November	2.4
December	1.55
Year	62.51

Source: CIMIS 1999.

Notes: ETo = reference evapotranspiration.

3.3 Land Use

The Project Area currently consists of mostly undeveloped land. The pre-construction Project surface consists predominantly of scattered brush growing on a thin layer of residual soil, which overlies and is derived from weathered, loose decomposed granitic rock. Some granitic bedrock and boulders are also present at the surface on the Project Area. The Boulder Brush Gen-Tie line consists of undeveloped land (Figure 5).

The existing land use surrounding the Project Area is primarily spaced rural residential and vacant and undeveloped land (Figure 5). Some agricultural properties are located to the east and south of the Project Area.

3.4 Existing Water Demand

The existing water demand in the study area and contributing watershed include demand for Live Oak Springs Water Company (LOSWC), Golden Acorn Casino, and a number of existing rural residential units.

LOSWC is composed of 85 active residences, 7 inactive residences, 1 recreational vehicle (RV) park, 1 mobile home park, 1 restaurant, 1 grocery store, and 1 other category defined as cabins, for

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a total of 97 connections. In 2011, 4,730,352 gallons (14.5 acre-feet) of potable water were served to the ratepayers (Dudek 2015).

The Golden Acorn Casino, located south of Interstate 8 on the Reservation, has several wells that provide the potable water supply for the casino. Although current groundwater use information is unavailable, based on the *Groundwater Supply and Off-Site Impact Evaluation: Proposed Golden Acorn Hotel and Amenities Project* report, the projected net groundwater use for the Project at full build-out was 23.4 acre-feet of water per year (ENSI 2008).

Based on a GIS review of County of San Diego well permits data, there are a combined total of 304 off-site wells (outside of the Reservation) within the Clover Flats, Hill, and Hipass HSAs, which together represent the larger contributing watershed area (Figure 3). Of the 304 county well permits, 9 are public and 295 are domestic. It is estimated that the annual water demand for the 295 domestic wells is 147.5 acre-feet based on 0.5-acre-feet per year consumptive use per residence (County of San Diego 2007). Existing water demands are presented in Table 3-5.

**Table 3-5
Existing Conditions**

Land Use	Quantity	Water Demand Per Unit (acre-feet per year)	Total Water Demand (acre-feet per year) ¹
Live Oak Springs Water Company	96	0.15	14.5
Golden Acorn Casino	1	23.4 ^a	23.4
Existing Single-Family Residential Units	295 ^b	0.5	147.5
Total Existing Water Demand			185.4

^a ENSI 2008.

^b Estimate based on 295 County well permits (Figure 9).

¹ Water demand based on actual water use during 2011. Live Oak Springs Water Company use includes 85 active residences, 5 inactive residences, 1 recreational vehicle (RV) park, 1 mobile home park, 1 restaurant, 1 grocery store and 1 other category defined as cabins, for a total of 96 connections.

It should be noted that these water demands are not met by use of the Project production wells located in the southern portion of the study area. Historically, water demand from the Project production wells has been nominal with the greatest use during the SDG&E East County (ECO) Substation Project. During the SDG&E ECO Substation Project, non-construction water use by the Reservation from July 29, 2013, to November 11, 2013, was 3.18 acre-feet and construction water use by SDG&E was 36.44 acre-feet. Based on review of recent, post-SDG&E ECO Substation Project, groundwater elevation data provided by Campo Environmental Protection Agency, existing water demands from the production wells in the southern portion of the study area are insignificant with no evidence of pumping or declines in groundwater levels observed during the period January 2014 to August 2018 (Appendix A).

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Groundwater levels have been measured at several wells in areas surrounding the study area for various projects (Appendix B; County of San Diego 2010b, 2016; Dudek 2016). These hydrographs show relatively stable to slightly declining groundwater levels within the region surrounding the study area.

3.5 Project Water Demand

The Project water demand will occur in two distinct phases, with different water requirements for construction versus O&M.

3.5.1 Construction Water Demand

The exact amount of water required during construction activities will be a function of a variety of factors, including soils present on site, existing vegetation type, weather conditions, final Project design, and the timing and distribution of clearing/grading activities. Although water demands are subject to change, the following estimate is based on the current Project design, preliminary grading plans, geotechnical testing, past experience, and reasonable assumptions.

According to the Project's Water Supply Assessment, the total expected water demand during the construction phase of the Project is 173 acre-feet (Dudek 2019).

3.5.2 Operational Water Demand

It is anticipated that the operational water demand for the Project will be nominal compared to the construction water demand. The primary operational water demands are expected to be used in the O&M building. Approximately 210 gallons of water per day (approximately 0.25 acre-feet per year) are expected as part of sanitary water use in the O&M building.

3.6 Geology and Soils

The Project Site is located on the eastern portion of the Peninsular Range geomorphic province, which is a series of northwest-oriented mountain ranges extending from the Transverse Ranges near Los Angeles south through the Baja California peninsula. The Project Site geology consists of a thin cover of residual soil and weathered granitic rock overlying granitic bedrock, designated as Cretaceous age La Posta Tonalite (Figure 6; USGS 2004).

Based on maps prepared by the U.S. Department of Agriculture (USDA) Soil Conservation Service (USDA 1973), the Project Site is predominantly underlain by the La Posta rocky loamy coarse sand (soil units LaE2 and LcE2 in Figure 7. In addition, the site is underlain by the Kitchen Creek loamy coarse sand (soil unit KcC), the Mottsville loamy coarse sand (soil units MvC and MvD), and the Tollhouse rocky coarse sandy loam (soil units ToE2 and ToG). Due to the granitic parent rock, the on-site soils are sandy, are relatively shallow, and have a greater susceptibility to wind erosion than water erosion. Soil types and their properties within the Project Area are presented in Table 3-6.

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Table 3-6
Soil Types and Select Soil Properties

Soil Type	Soil Unit	Soil Moisture Holding Capacity (inches) ^a	Runoff ^a	Hydrologic Soil Group ^a	Area (acres) within Project Site
Kitchen Creek loamy coarse sand	KcC	3–5.5	Slow-Medium	B	273.8
La Posta loamy coarse sand	LaE2	2–3	Medium	A	4.0
La Posta rocky loamy coarse sand	LcE2	1–2	Medium	A	1,004.2
Mottsville loamy coarse sand	MvC	4–5	Slow-Medium	A	50.4
Mottsville loamy coarse sand	MvD	4–5	Medium	A	129.4
Tollhouse rocky coarse sandy loam	ToE2	1–2	Medium-Rapid	D	7.8
Tollhouse rocky coarse sandy loam	ToG	1–2	Rapid-Very Rapid	D	232.5
Total					1,702.1

Source: ^a USDA 1973.

3.7 Hydrogeologic Units

At the time of report preparation, no boring logs for on-site wells were available for characterization of lithology at the Project Site. However, a detailed geologic investigation was completed on the southern portion of the Reservation as part of the *Draft Supplemental Environmental Impact Statement for the Campo Landfill* project (DOI 2010). This investigation determined that hydrostratigraphy at the Project Site can be divided into two layers: an upper, highly weathered tonalite (decomposed granite or DG) and a lower, less-weathered bedrock zone. The crystalline bedrock is predominantly composed of tonalite. It is extensively fractured as evidenced by regional lineaments that trend both northwest–southeast and west–east as depicted on the interferometric synthetic aperture radar (IFSAR) digital ortho-photography (Figure 8). The study determined that flow at the Project Area occurred primarily in interconnected fractures within the bedrock. The study also determined that weathering is related directly to the extent and distribution of fractures within the bedrock and may extend deep into the unweathered zone along these fractures (DOI 2010).

3.8 Hydrogeologic Inventory and Groundwater Levels

A total of 19 existing groundwater wells were identified within the Reservation Boundary and are associated with subsurface exploration conducted from the 1980s through the 2000s for the study and design of a proposed landfill that was never constructed. The 19 groundwater wells are located in a 312-acre well field in the southern portion of the Reservation (Figure 9). Groundwater level

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data were available for 12 of the 19 existing wells (Table 3-7). Groundwater level data at these wells, recorded manually at a frequency of every 2 weeks or greater, show no discernible chronic drops in groundwater levels, which may be indicative of a stable groundwater supply (Appendix A). Water levels in Monitoring Well (MW)-1 show some fluctuation in response to changing climatic conditions; however, the magnitude of groundwater elevation change is less than 8 feet over the course of several years with the lowest groundwater levels recorded March 2014 to September 2016. The greater response observed in MW-1 may be attributed to a shallower well completion depth than the larger production wells.

**Table 3-7
Groundwater Levels for the Southern Portion of Reservation**

Well Number	Total Well Depth (feet bgs)	Depth to Water (feet bgs)	Date of Measurement
PD-1	—	31.5	08/17/18
PD-2	—	47.5	08/17/18
PD-3	—	32.7	05/18/18
PD-4	—	61.6	05/29/14
MW-1 (HG-19)	121.5	21.2	08/17/18
MW-2 (HG-29)	360	38.65	11/06/13
MW-3 (HG-58)	240	67.94	11/06/13
MW-4 (HG-12)	202.6	51.4	11/06/13
MW-5 (HG-7)	198.5	76.34	11/06/13
HG-5	140	—	—
HG-57	200	—	—
HG-2	130.3	—	—
HG-1	155	—	—
HG-46	50	—	—
HG-24	150	—	—
HG-44 (P1-24)	110	65.64	01/2004
P1-22	162.5	70.01	01/2004
HG-38 (HG-55)	110	—	—
P1-19	110	59.68	01/2004

Notes: bgs = below ground surface; — = data not available.

3.9 Water Quality

As part of a proposed landfill project that was proposed (but never constructed) on the southeastern corner of the Reservation Boundary, groundwater quality sampling occurred between 1994 and 2004. Constituents measured in water quality samples include chloride, fluoride, pH, sulfate, total dissolved solids (TDS), title 22 metals, and volatile organic compounds. Groundwater on the site

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was primarily sodium-bicarbonate type water, with water quality ranging from good to relatively poor (DOI 2010). Poor groundwater quality encountered in some wells was the result of elevated concentrations of naturally occurring metals, primarily arsenic, manganese, iron, and TDS (DOI 2010). The study found that TDS concentrations were generally elevated in the shallower parts of the groundwater flow system, with deeper parts generally having lower TDS concentrations and therefore generally better groundwater quality. While the majority of water used for the Project is not expected to be used for potable purposes, water quality samples collected On-Reservation in 2004 generally met drinking water maximum contaminant levels (MCLs) for constituents sampled (DOI 2010). Exceedances of primary MCLs for arsenic occurred in three (of 34) monitoring wells sampled in 2004. Exceedances of secondary MCLs for TDS occurred in four wells sampled, and exceedances of secondary MCLs for manganese occurred in one well sampled. No volatile organic compounds were detected in any of the wells sampled.

Groundwater quality in the fractured rock aquifers of San Diego County has not been as extensively studied as the alluvial aquifers. Existing water quality data for alluvial aquifers is continually collected by state and local water agencies as well as the California Department of Public Health and the California Department of Water Resources. Of California's approximately 16,000 public-supply wells, 80% are in groundwater basins designated by Department of Water Resources and characterized as alluvial aquifers (Wright and Belitz 2011). Fractured rock aquifers, on the other hand, have highly variable and often low production rates. Therefore, fractured rock aquifers have fewer public-supply wells, which means that information on groundwater quality within fractured rock aquifers is scarce and/or not publicly available.

As part of the California Groundwater Ambient Monitoring and Assessment Program, limited data was collected from hard-rock aquifers within the San Diego Drainages Hydrogeologic Province in an attempt to understand potential water quality concerns within the province (Wright and Belitz 2011). The hard rock study area was 850 square miles, and the sampled wells (public supply wells) were limited. However, the data may be useful and broadly representative of the Project Area because the sampled wells are completed within bedrock composed of fractured and decomposed granite.

Wright and Belitz's (2011) results provide a general idea of potential groundwater quality concerns existing in the Project Area. The results relevant to fractured rock aquifers are summarized as follows:

- **Inorganic Constituents (with health-based benchmarks):** One or more of the inorganic constituents with health-based benchmarks (i.e., MCL, Health Advisory Level, Notification Level) were high (relative to those benchmarks) in 25% of the hard rock study area; these included vanadium (V), arsenic (As), and boron (B). Vanadium and As concentrations were not correlated to either urban or agricultural land use, indicating

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natural sources as the primary contributors of these constituents to groundwater. Boron was positively correlated with urban land uses, suggesting that anthropogenic activities are a contributing source of B to groundwater.

- **Inorganic Constituents (with aesthetic benchmarks):** Inorganic constituents with aesthetic benchmarks (i.e., Secondary MCLs that address the taste and odor of the water) that were detected at high relative-concentrations include manganese (Mn) (in 33.3% of the hard rock study area) and TDS (in 16.7% of the hard rock study area). TDS concentrations were correlated to agricultural land use suggesting that agricultural practices are a contributing source of TDS to groundwater. Manganese concentrations were highest in groundwater with low dissolved oxygen and pH indicating that the reductive dissolution of oxyhydroxides in the bedrock may be an important mechanism for the mobilization of Mn in groundwater. TDS concentrations were highest in shallow wells and in modern (<50 years) groundwater, which indicates anthropogenic activities are a source of TDS concentrations in groundwater.
- **Organic Constituents:** Concentrations of organic constituents above the health-based benchmarks were not detected.

The study also indicated that several samples in the hard rock study area had radioactive elements in the medium (gross alpha) to high (radon 222) range (Wright and Belitz 2011). According to Figure 4 of the San Diego County Guidelines, the Project is not located within an area identified as being a problem area for nitrates and radioactive elements (County of San Diego 2009). This does not necessarily mean that nitrates and radioactive elements are absent from the Project Area, but rather that it is not in an area that has been sampled and/or where a water quality issue has been identified.

3.10 Groundwater Dependent Ecosystems

A groundwater dependent ecosystem is “a plant and animal community that requires groundwater to meet some or all water needs” (TNC 2018). Groundwater dependent ecosystems are defined as “ecological communities or species that depend on groundwater emerging from aquifers or on groundwater occurring near the ground surface” (23 CCR Section 351[m]). Groundwater is critical to sustaining springs, wetlands, and perennial flow (base flow) in streams as well as to sustaining vegetation such as phreatophytes that directly tap groundwater. Potential areas of groundwater dependent ecosystems in the Project Area were mapped using vegetation data compiled by the County of San Diego (Figure 10; SanGIS 2018). Valleys are dominated by coast live oak woodland, non-native grassland, and southern willow scrub vegetation. The Project Area supports a variety of habitat types and vegetation communities. Specifically, the Project Area is dominated by chamise chaparral and mixed chaparral. Additionally, red shank chaparral, big sagebrush scrub, and upper Sonoran subshrub scrub is distributed throughout the Project Area.

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Fifteen historically documented springs are located in the study area (Figure 10). Spring sites are listed in Table 3-8. No discharge data were available in the U.S. Geological Survey (USGS) National Water Information System mapper for any of the springs in the study area. Springs generally occur in areas that coincide with alluvial deposits, lineaments, and topographic low regions. The total discharge rate is assumed to be equal to the total recharge rate for equilibrium conditions, neglecting through flow components (contributions to the water budget from through flow have not been estimated at this time) and other sources/sinks for the system.

Table 3-8
Historical Springs Located in the Study Area

Site Number	Site Name	Latitude	Longitude
323852116221501	017S006E33RS01S	-116.372	32.64784
324026116220701	017S006E28AS01S	-116.369	32.67395
324152116213301	0175006E15FS01S	-116.36	32.69784
324357116210301	017S006E03AS01S	-116.352	32.73256
324304116205001	017S006E11DS02S	-116.348	32.71783
324302116204901	017S006E11DS01S	-116.348	32.71728
324220116204801	017S006E11NS02S	-116.348	32.70561
324214116202701	017S006E11QS02S	-116.342	32.70395
324134116195901	017S006E14JS01S	-116.334	32.69284
324134116195101	017S006E13MS01S	-116.332	32.69284
324152116195101	017S006E13ES02S	-116.332	32.69784
324251116194501	017S006E12ES01S	-116.33	32.71422
324323116193501	017S006E01MS01S	-116.327	32.72311
324347116193501	017S006E01DS01S	-116.327	32.72978
324346116193401	017S006E01DS02S	-116.327	32.7295

Sources: Moyle and Downing 1978; USGS 2018.

Notes: Location of historical springs mapped by Moyle and Downing 1978 and others.

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4 GROUNDWATER QUANTITY IMPACT ANALYSIS

For the purposes of this groundwater resources evaluation, potential groundwater resources effects or impacts were based on the County of San Diego's groundwater significance thresholds explained in the County Groundwater Ordinance and Guidelines for Determining Significance and Report Format and Content Requirements: Groundwater Resources (County of San Diego 2013, 2007). Two of the thresholds established by the County of San Diego are applicable to the Project:

- 1) A soil moisture balance or equivalent analysis using a minimum of 30 years of precipitation data must show that groundwater in storage is not reduced to a level of 50% or less, and
- 2) After a 5-year projection of drawdown, water levels in off-site wells must not be decreased more than 20 feet.

4.1 Soil Moisture Balance Analysis

4.1.1 Soil Moisture Calculations

The soil moisture balance analysis for the Project was completed using precipitation data from the Campo Station for calendar years 1959 through 2017. The average annual rainfall at the Campo Station was 16.2 inches. Rainfall recharge calculations incorporate ET rates (using CIMIS ETo values from Section 3.2), soil types and soil moisture capacity, and surface water runoff rates. Calculations were completed in an Excel spreadsheet that was developed using the methodology of the Recharg2 program developed by David Huntley, PhD, at San Diego State University. Runoff is calculated based on the Soil Conservation Service Curve Number method. Curve numbers for the Project were taken from the County of San Diego Hydrology Manual. Curve numbers used were taken from the narrow leaf chaparral vegetation type with fair hydrologic condition. Based on these assumptions, the average annual recharge over the 59-year period was approximately 250 acre-feet per year. The complete printouts of the spreadsheet calculations are included in Appendix C.

4.1.2 Groundwater in Storage

Several previous groundwater resource evaluations have estimated groundwater in storage in the vicinity of the Project Area (DOI 2010; AECOM 2012; ENSI 2013). Estimates of groundwater in storage have ranged from 2,172 acre-feet to 3,000 acre-feet. Estimates have generally assumed an average saturated thickness of 30 feet for the decomposed granite (DG) with a storage coefficient or specific yield of 5%, and an average bedrock saturated thickness of 500 feet with a storage coefficient of 0.05%. Using these assumptions for the 1,702-acre proposed Project Area, the amount of water in storage in the DG is approximately 2,553 acre-feet, and the amount of water in storage in the bedrock is approximately 425 acre-feet, for a total storage of 2,978.5 acre-feet as presented in Table 4-1.

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Table 4-1
Estimate of Groundwater in Storage Underling Project Area

Hydrologic Unit	Estimated Area (acres)	Estimated Specific yield ^a	Assumed Saturated Thickness (feet)	Estimated Maximum Groundwater in Storage (acre-feet)
Fractured Rock	1,702	0.0005	500	425.5
Residuum	1,702	0.05	30	2,553
Estimated Maximum Groundwater Storage Capacity (acre-feet)				2,978.5

^a Values represent typical values for fractured bedrock and alluvium reported in County of San Diego 2007.

4.1.3 Discussion Long-Term Groundwater Availability

Based on the results of the soil moisture balance analysis, 23 of the 59 years in the historical record had 0 acre-feet of rainfall recharge. In these years, the anticipated groundwater extraction for Project construction represents approximately 6% loss of groundwater in storage. Including the existing water demand in the Project Area from the Golden Acre Casino (23.4 acre-feet, Table 3-5), the total water demand in the Project Area during construction would be approximately 196 acre-feet, or 7% of the total groundwater in storage. In 23 of the 59 years considered, the rainfall recharge was greater than 196 acre-feet. In these years, construction would result in no net loss of groundwater in storage in the Project Area. In the remaining 13 years, the depletion in groundwater storage from the 196 acre-feet of water demand in the study area ranged from 10 acre-feet to 168 acre-feet, or approximately 0.3%–5.6% of the total groundwater in storage in the Project Area. Given the results of the soil moisture balance, even in years with 0 acre-feet of rainfall recharge in the study area, the total depletion in groundwater in storage is less than 10%, with the loss of groundwater in storage in these years being recovered in subsequent wet years. As a result, the impact of construction and operation is within the limits set by the County of San Diego Standards of Significance. Thus, no significant adverse effect to groundwater resources will occur as a result of the Project.

4.2 Groundwater Levels

Wells considered for construction of the Project were pumped during the construction of the ECO Substation Project in late 2013. The total volume of water extracted over the approximately 4-month construction period was 36.4 acre-feet, compared to 173 acre-feet expected to be extracted for the Project over 14 months of construction. Transducer measurements from the pumping wells indicated groundwater level declines in the wells of up to 110 feet when pumps were on (see graphs in Appendix A). Manual groundwater levels indicate that groundwater levels dropped below the depth of the transducers during pumping. Groundwater levels declined up to 203 feet based on manual measurements taken during pumping. Groundwater levels in pumping wells recovered quickly once pumps were turned off. Manual static water measurements in the pumping wells

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indicated overall groundwater level declines of 30 to 50 feet in pumping wells during the construction period (Appendix A). Groundwater levels at three of the pumping wells (PD-1, PD-2, and PD-3) had recovered to near pre-construction levels by the end of the 5-year post-construction period (October 2018). The fourth well, PD-4, did not have any measurements after May 2014 (6 months post construction). Groundwater levels in PD-4, 6 months after construction were approximately 32 feet below pre-construction levels. These observations suggest that water levels recover from pumping in the basin within one wet cycle after pumping has stopped.

The nearest off-site groundwater wells are located approximately 4,500 feet from the wellfield. Since pump test data were unavailable for the Project wellfield, a distance drawdown evaluation was made using aquifer properties estimated from pump testing conducted for other projects near the study area to evaluate the effect of Project groundwater extraction on off-site wells. Two nearby projects had aquifer test data available for this evaluation: Tierra Del Sol Solar project and the Boulevard U.S. Border Patrol station project. Aquifer transmissivity at the nearby Tierra Del Sol solar site was estimated to be 31.53 ft²/day (Dudek 2012). Storativity was not calculated in this aquifer test due to a lack of drawdown in observation wells, so a value of 0.001 was assumed. Transmissivity and storativity were measured at two wells for the Boulevard border patrol station project (Wells 2 and 3). Transmissivity and storativity at Well 2 were measured as 137 ft²/day and 0.00074, and transmissivity and storativity at Well 3 were measured at 124 ft²/day and 0.00048 (Dudek 2011). Groundwater drawdown induced by Project pumping at the nearest off-site well was estimated using the Cooper-Jacob approximation of the Theis non-equilibrium flow equation (Cooper and Jacob 1953; USGS 1962), as follows:

$$s = \frac{264Q}{T} \log_{10} \frac{0.3Tt}{r^2S}$$

Where:

- s = predicted drawdown (feet)
- Q = amortized pumping rate (gallons per minute)
- T = Transmissivity (gallons per day per foot)
- t = time (days)
- r = distance from pumping well (feet)
- S = coefficient of storage (dimensionless)

Drawdown at the nearest off-site well was estimated after 1 year of Project pumping for construction (173 acre-feet of water used), and 5 years after the start of Project construction with pumping for Project construction and O&M (0.25 acre-feet per year for O&M). Results of the analysis for each of the aquifer properties available are presented in Table 4-2. The estimated drawdown at the nearest off-site well after 1 year of pumping for construction ranged from 13 feet to 31 feet. The total estimated drawdown after 5 years with 1 year of construction pumping and 4 years of O&M pumping ranged from 9 feet to 19 feet.

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**Table 4-2
Estimated Drawdown at Nearest Off-Site Well**

Aquifer Test	Transmissivity (ft ² /day)	Storativity	Drawdown after 1 year (feet)	Drawdown after 5 years (feet)
Tierra Del Sol Solar	31.53	0.001 ^a	13	19
Boulevard Border Patrol Well 2	137	0.00074	24	9
Boulevard Border Patrol Well 3	124	0.00048	31	11

ft²/day = square feet per day.

^a. No measurement conducted; value assumed for calculation.

The following significant impact requirements are set forth in the County of San Diego (2007) Guidelines:

Fractured Rock Well: As an initial screening tool, off-site well interference will be considered a significant impact if after a five year projection of drawdown, the results indicate a decrease in water level of 20 feet or more in the off-site wells. If site-specific data indicate water bearing fractures exist which substantiate an interval of more than 400 feet between the static water level in each off-site well and the deepest major water bearing fracture in the well(s), a decrease in saturated thickness of 5% or more in the off-site wells would be considered a significant impact.

According to the County Groundwater Geologist, the primary author of the County of San Diego Guidelines, the intent of the above guideline was to cover projects that have continual ongoing water uses that remain static over time. Historically, this has been the case for the vast majority of groundwater dependent projects processed by the County. This Project, however, proposes to use variable quantities of water, with intensive pumping over short periods. The intensive pumping during short periods may cause direct well interference impacts. Therefore, to evaluate potential impacts from short-term pumping of groundwater, the County Groundwater Geologist has requested a short-term drawdown analysis, in addition to the 5 year projection of drawdown, to evaluate the potential impacts from operating at the highest rate of pumping. Based on the short-term drawdown analysis, groundwater drawdown at off-site wells could exceed the limit of 20 feet based on the aquifer properties for the Boulevard Border Patrol wells.

The County of San Diego significance of thresholds are specific to long-term impacts because it requires calculations of drawdown after 5 years. For the purposes of this analysis short-term impacts are determined with the same threshold but after one year because surrounding land uses rely exclusively on the underlying aquifer for water supply and are therefore more sensitive to

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groundwater impacts, even if short-term. Based on the soil moisture balance and well interference analyses, the short-term impacts of the Project on groundwater would be significant if Project pumping were not monitored, and based on groundwater levels measured, ceased as appropriate to avoid causing water levels declines in off-site wells. The Campo Environmental Protection Agency has oversight responsibility for the Tribes groundwater resources and would monitor the effects of pumping, and if necessary adjust or cease sales of water to the construction contractor if adverse impacts are detected. Based on the well interference analysis, the long-term impacts would be less than significant.

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5 WATER QUALITY IMPACT ANALYSIS

The majority of water provided by the wellfield will be used to support constructions and operations activities such as dust control and soils compaction. Water sampled from wells on the Reservation generally met drinking water standards, and therefore there are no concerns about impacts to water quality as a result of water use during Project construction and operation. In addition, groundwater use during Project construction and operation is considered consumptive, and therefore significant groundwater recharge is not expected as a result of water use. The Project will have no adverse significant effect to groundwater quality.

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6 SUMMARY OF PROJECT IMPACTS AND MITIGATION MEASURES

Based on an evaluation of the Project water demands following the standards of significance set by the County of San Diego, Project impacts on groundwater quantity in the Project Area do not exceed the significance thresholds for long-term impacts. Intensive pumping for Project construction may cause direct well interference impacts because surrounding land uses rely exclusively on the underlying aquifer for water supply and are therefore more sensitive to groundwater impacts, even if short-term. Based on the short-term drawdown analysis, groundwater drawdown at off-site wells could exceed the County limit of 20 feet for fractured rock aquifers, if unmonitored and unmitigated.

However, the Campo Environmental Protection Agency has oversight responsibility for the Tribe's groundwater resources, and would implement the following measure:

Campo Environmental Protection Agency (CEPA) will monitor the depth to groundwater in wells located between proposed pumping wells and nearby On-Reservation pumping wells. The threshold for groundwater level declines in the monitoring wells should be established to ensure that declines in groundwater levels in On-Reservation wells remain at less than 20 feet resultant from On-Reservation pumping. Groundwater level monitoring should be conducted at least weekly during Project construction. Should the groundwater level thresholds be exceeded, CEPA will require the cessation of on-site pumping until groundwater levels in the monitoring wells rise above the thresholds.

Implementation of this measure would ensure that provision of water from the On-Reservation wellfield will only occur so long as it doesn't cause adverse impacts on the groundwater aquifer.

Analysis of on-site water quality data and projected uses of Project water indicate that Project impacts on water quality are expected to be minimal.

NEPA specifies that a groundwater resources evaluation must assess (1) the environmental impact of the proposed action, (2) any adverse environmental effects that cannot be avoided should the proposal be implemented, (3) alternatives to the proposed action, (4) the relationship between local short-term uses of man's environment and the maintenance and enhancement of long-term productivity, and (5) any irreversible and irretrievable commitments of resources that would be involved in the proposed action should it be implemented. The Project demand for water is a short-term impact to the environment, and analysis of the Project based on the county standards of significance indicated that the environmental impact and effects of Project implementation will be minimal provided proper CEPA oversight. In addition, completion of the Project will provide renewable energy, which will enhance the productivity over the current undeveloped land use.

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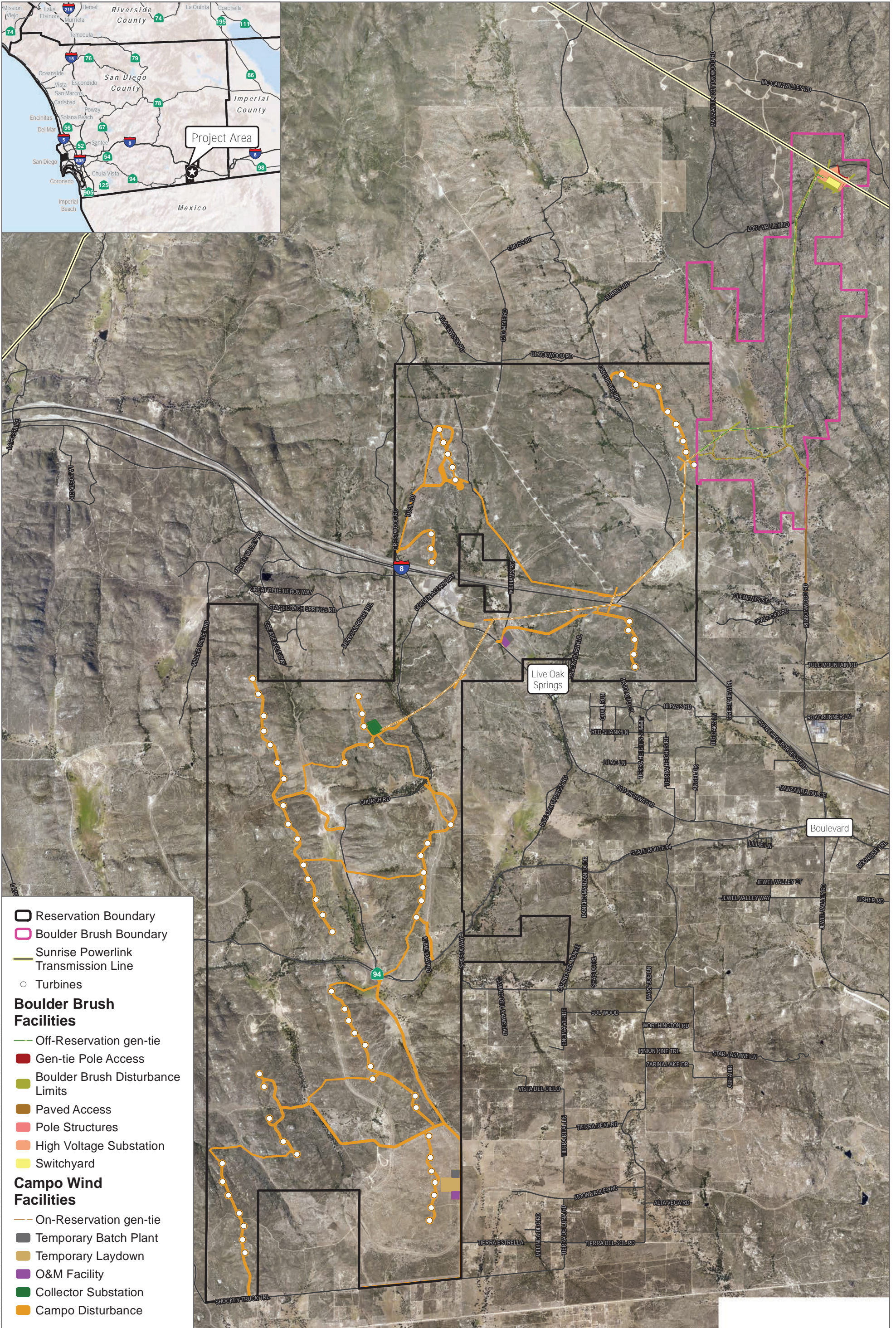
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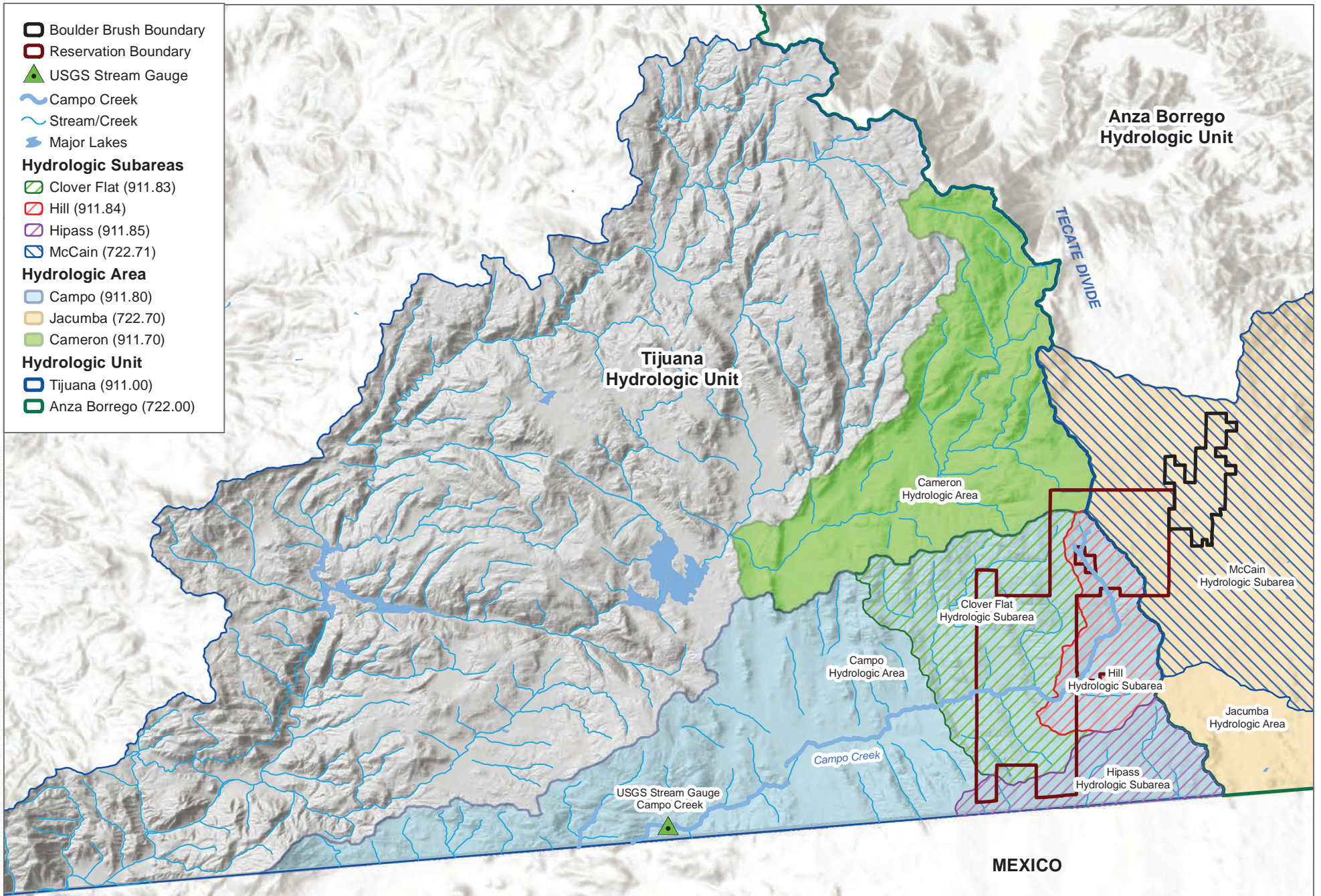
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FIGURE 2

Initial Project Layout

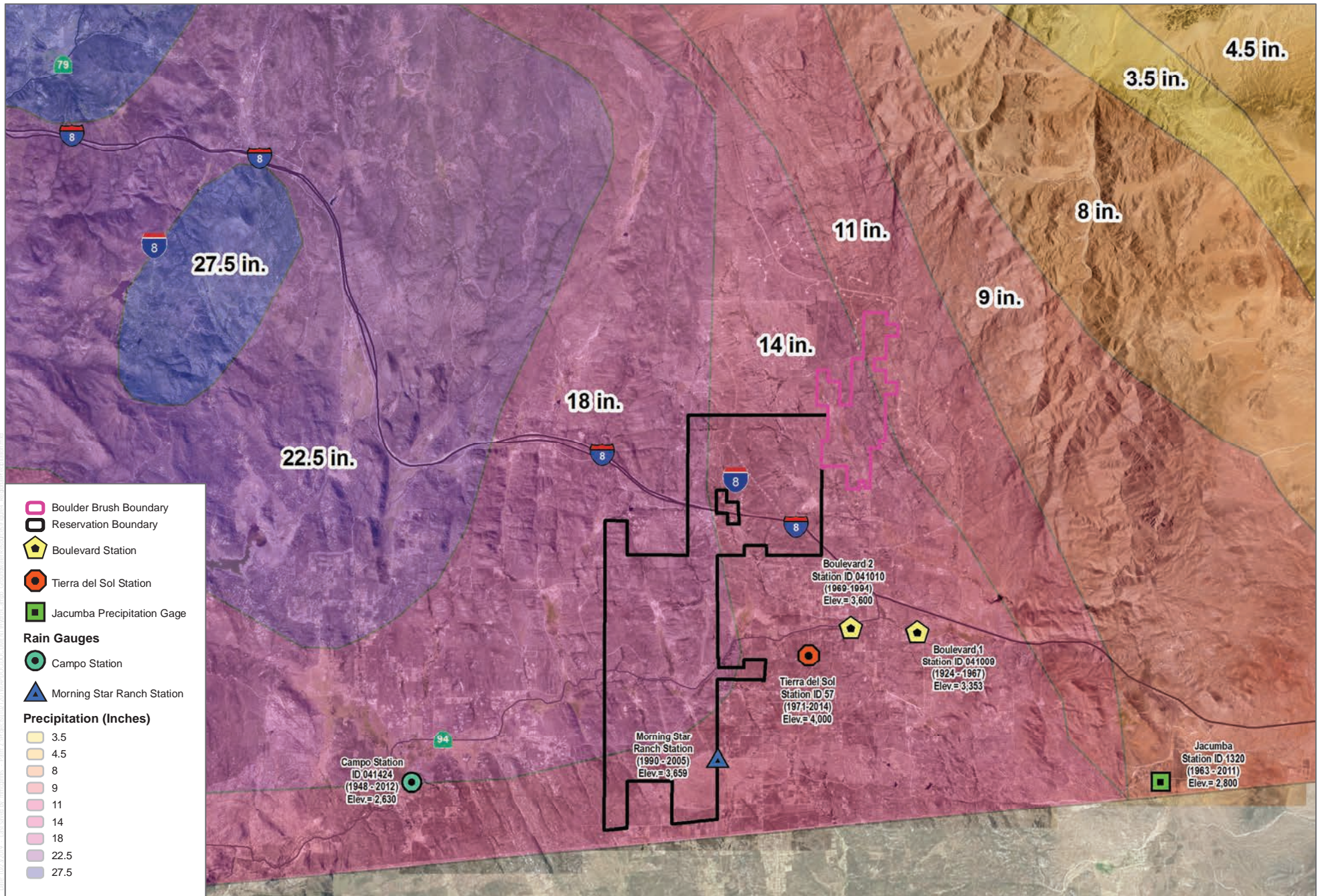
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SOURCE: SANGIS 2019; USGS 2018

Groundwater Resources Evaluation for the Campo Wind Project with Boulder Brush Facilities

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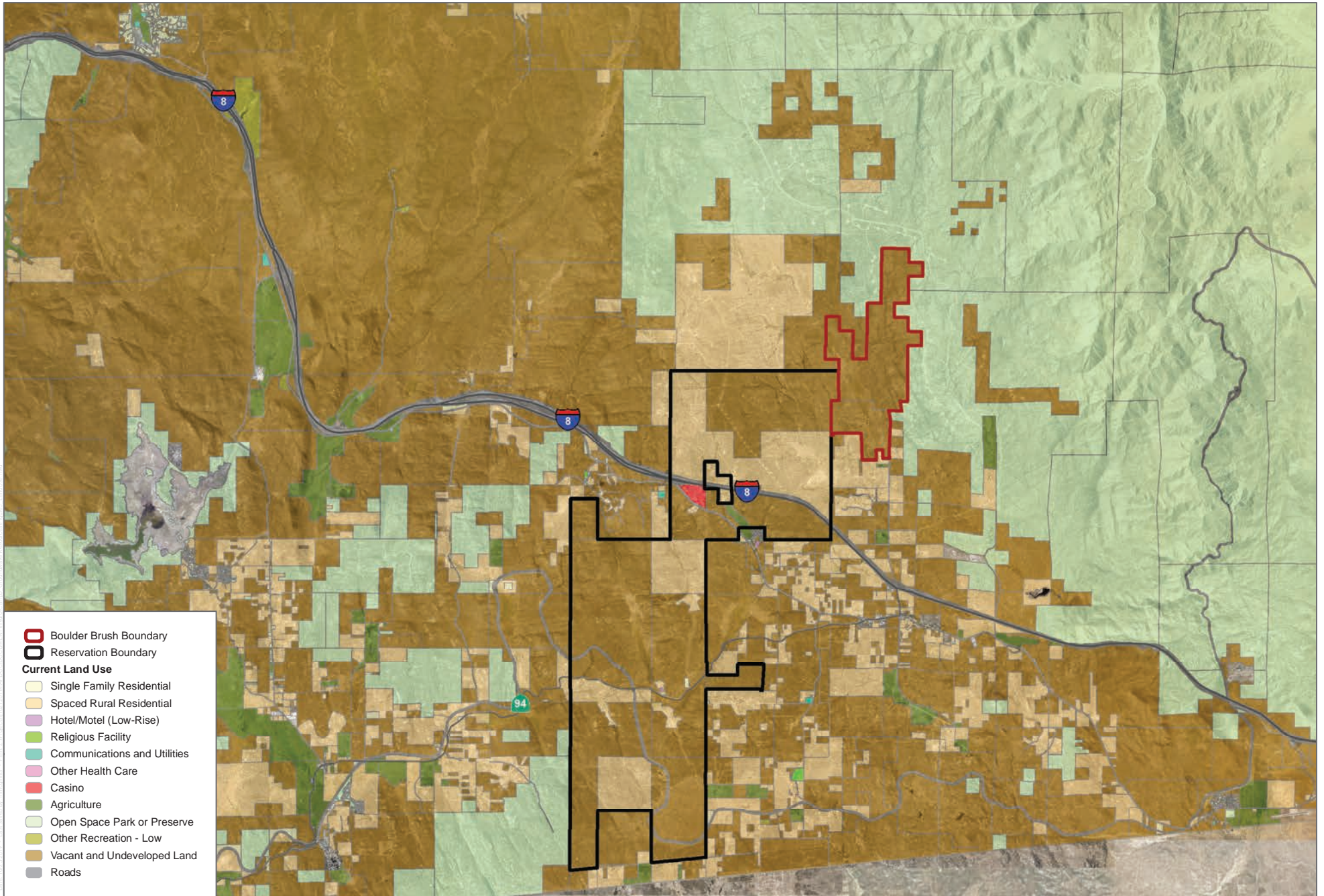


SOURCE: SANGIS 2017; USGS 2019; NOAA 2019

FIGURE 4

Groundwater Resources Evaluation for the Campo Wind Project with Boulder Brush Facilities

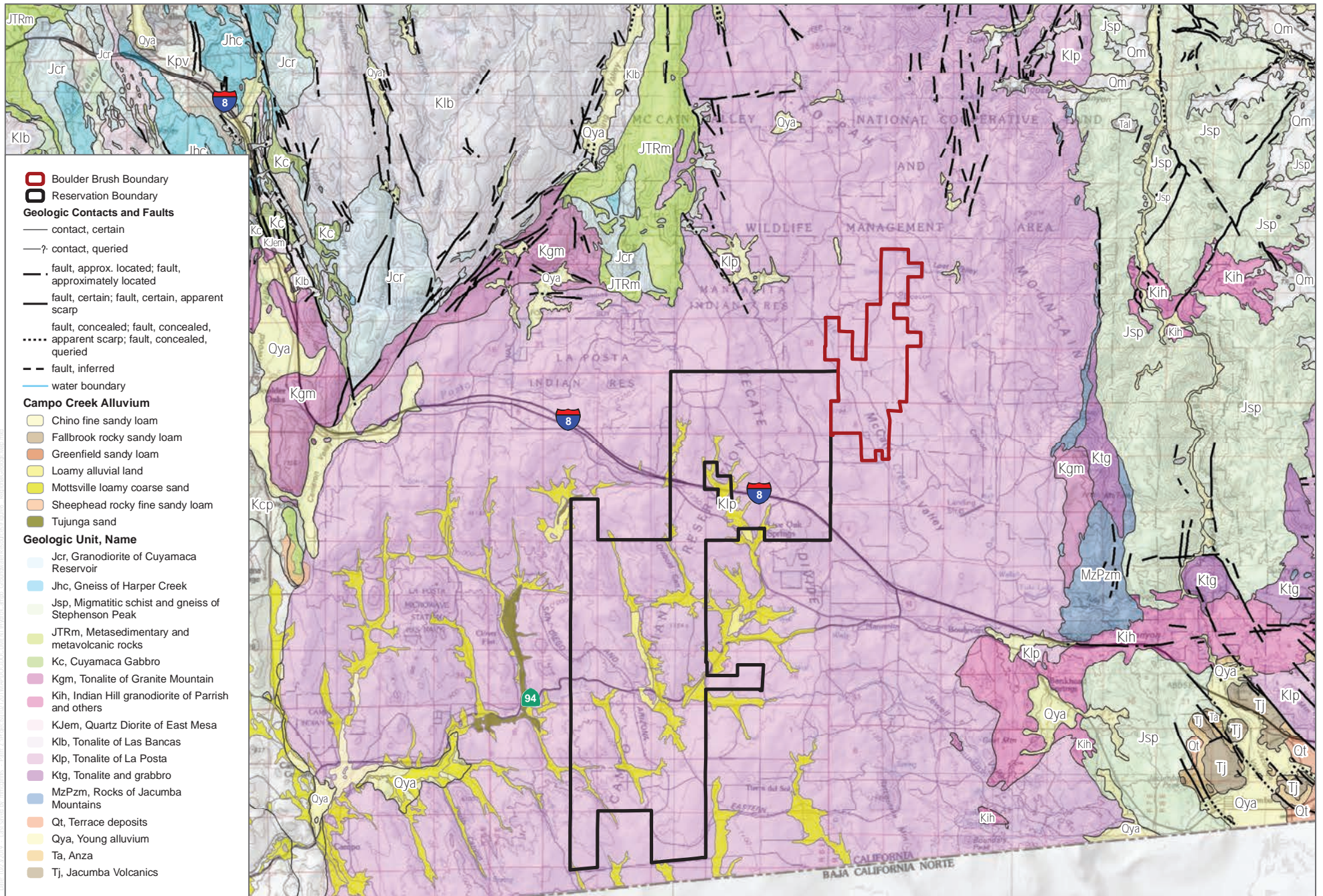
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SOURCE: SANGIS 2017; 2019

Groundwater Resources Evaluation for the Campo Wind Project with Boulder Brush Facilities

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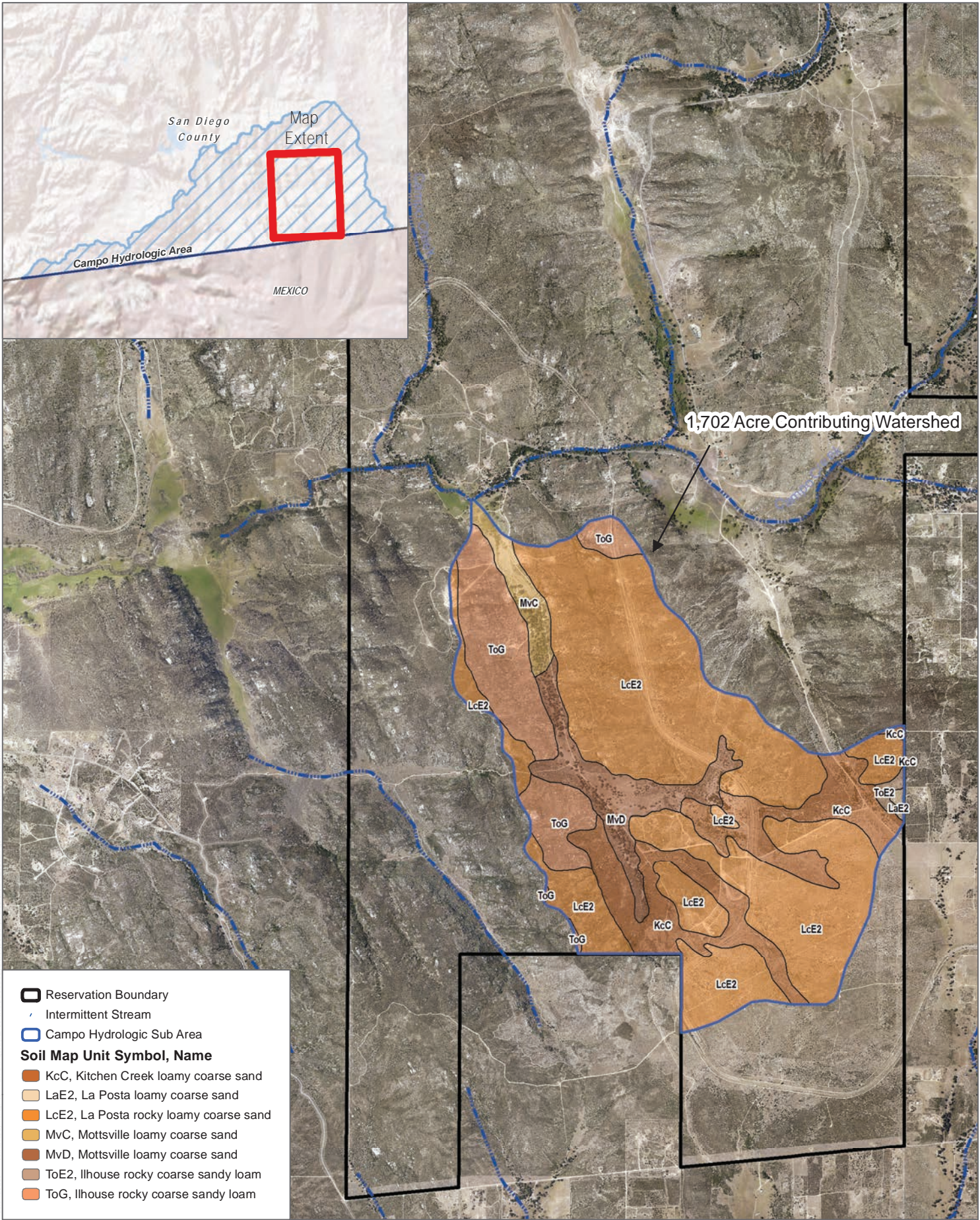
SOURCE: SANGIS 2017; USGS 2019; USDA 2019



FIGURE 6
Regional Geology
Campo Wind Project Final Environmental Impact Statement

Groundwater Resources Evaluation for the Campo Wind Project with Boulder Brush Facilities

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SOURCE: SANGIS 2017

Groundwater Resources Evaluation for the Campo Wind Project with Boulder Brush Facilities

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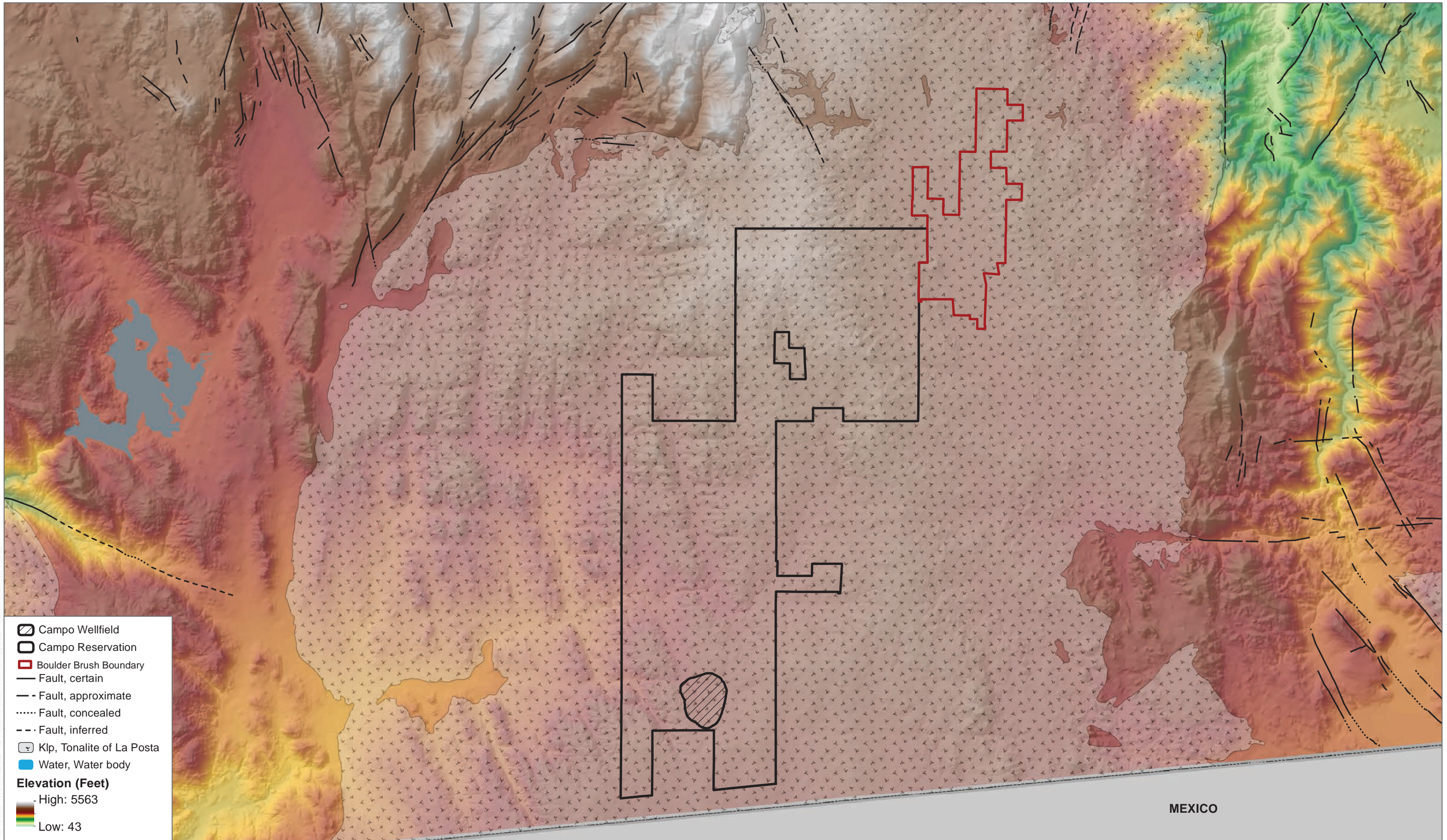
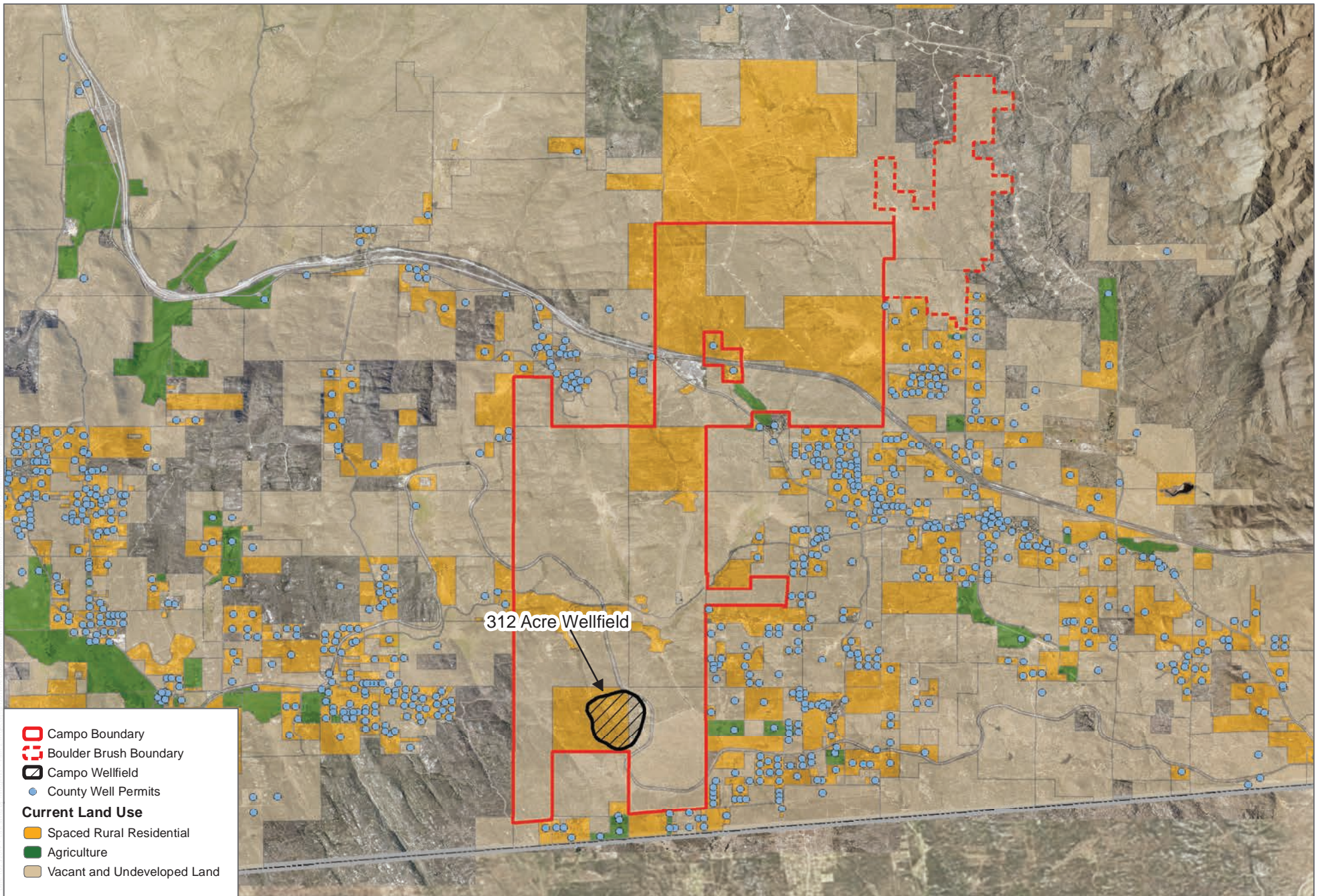


FIGURE 8

IFSAR Digital Elevation Model

Campo Wind Project Final Environmental Impact Statement

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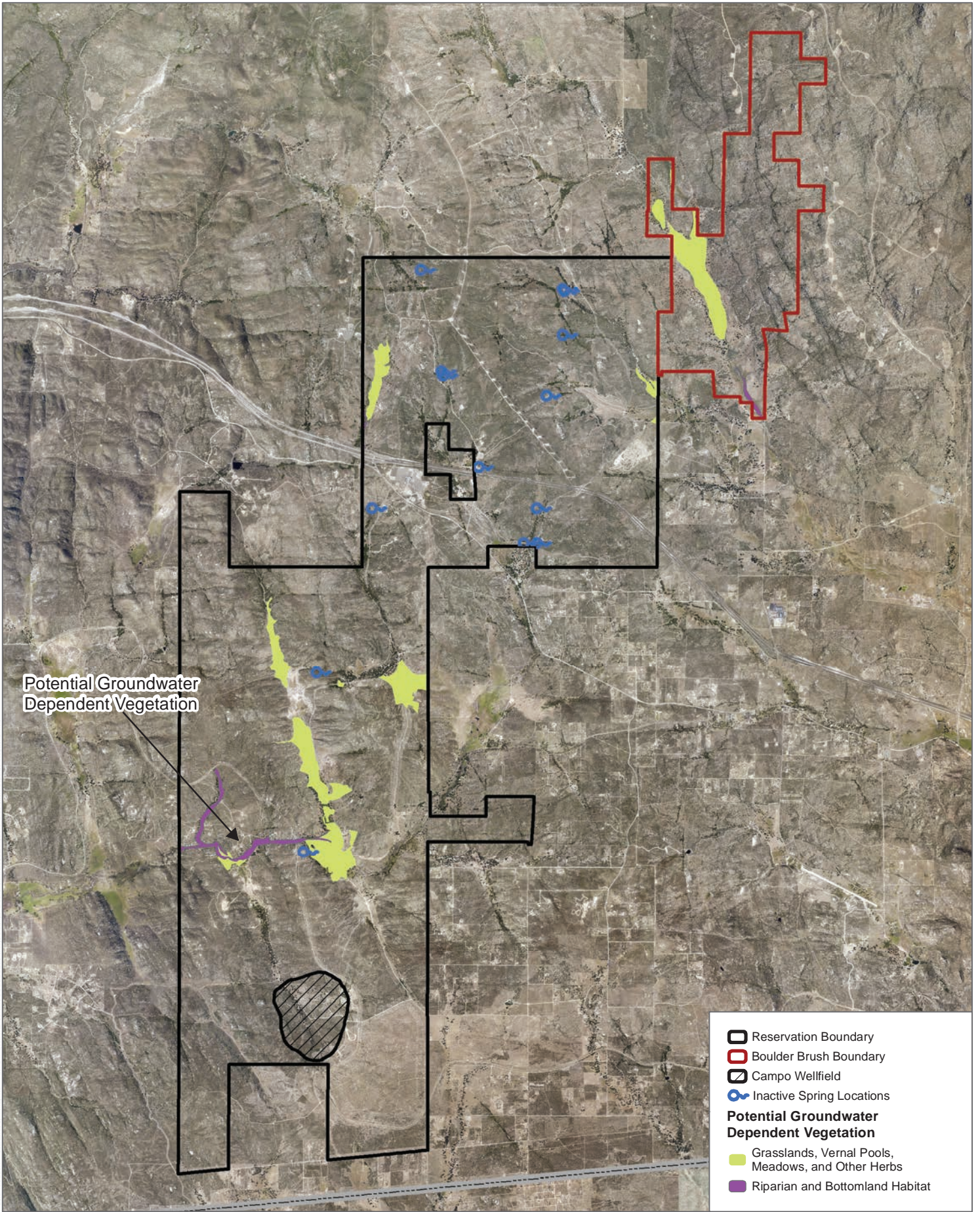
SOURCE: SANGIS 2017



FIGURE 9
On-site Wellfield and Off-site Wells
Campo Wind Project Final Environmental Impact Statement

Groundwater Resources Evaluation for the Campo Wind Project with Boulder Brush Facilities

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Potential Groundwater Dependent Vegetation

- Reservation Boundary
- Boulder Brush Boundary
- Campo Wellfield
- Inactive Spring Locations
- Potential Groundwater Dependent Vegetation**
- Grasslands, Vernal Pools, Meadows, and Other Herbs
- Riparian and Bottomland Habitat

SOURCE: SANGIS 2017; USGS 2019

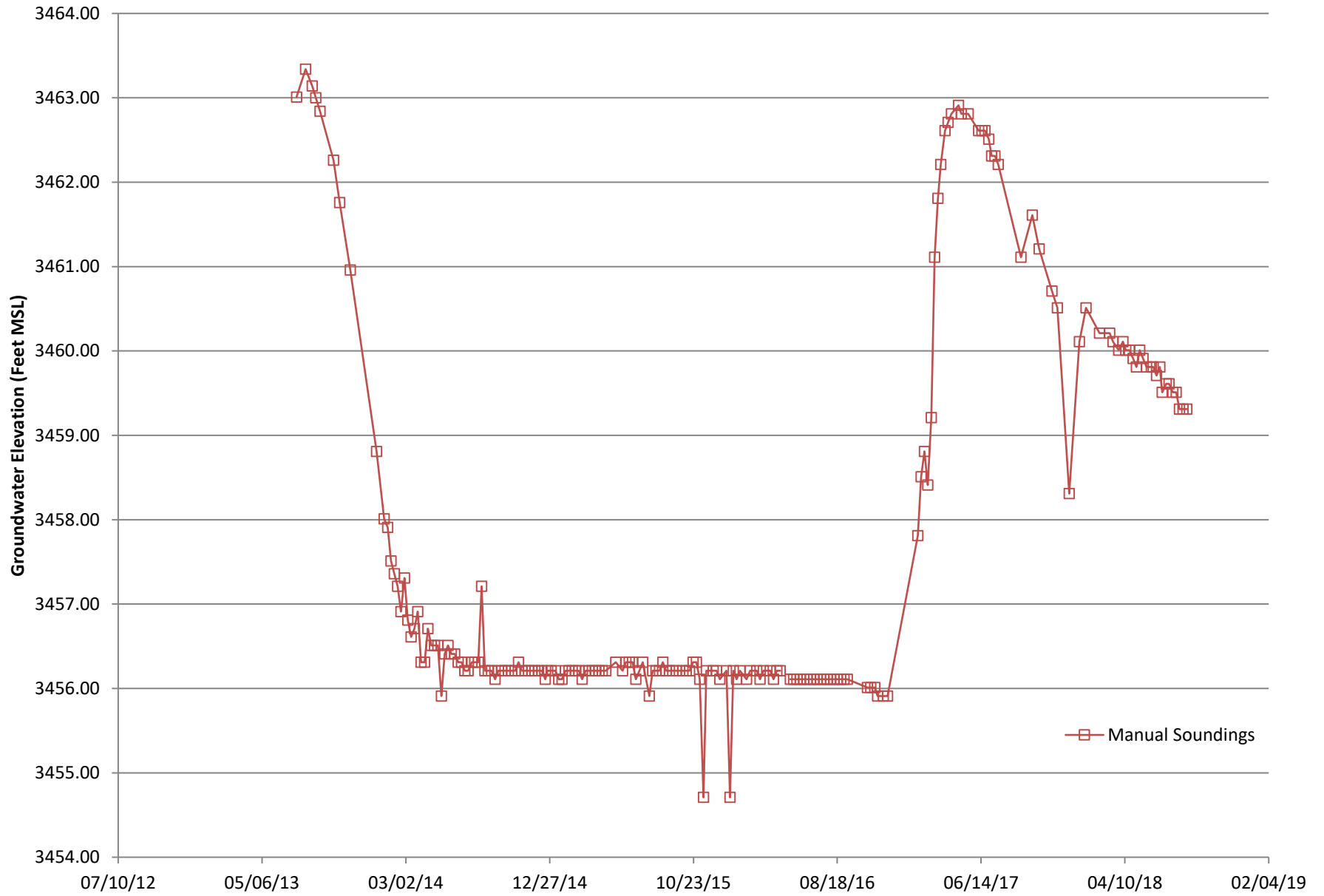
FIGURE 10

Groundwater Resources Evaluation for the Campo Wind Project with Boulder Brush Facilities

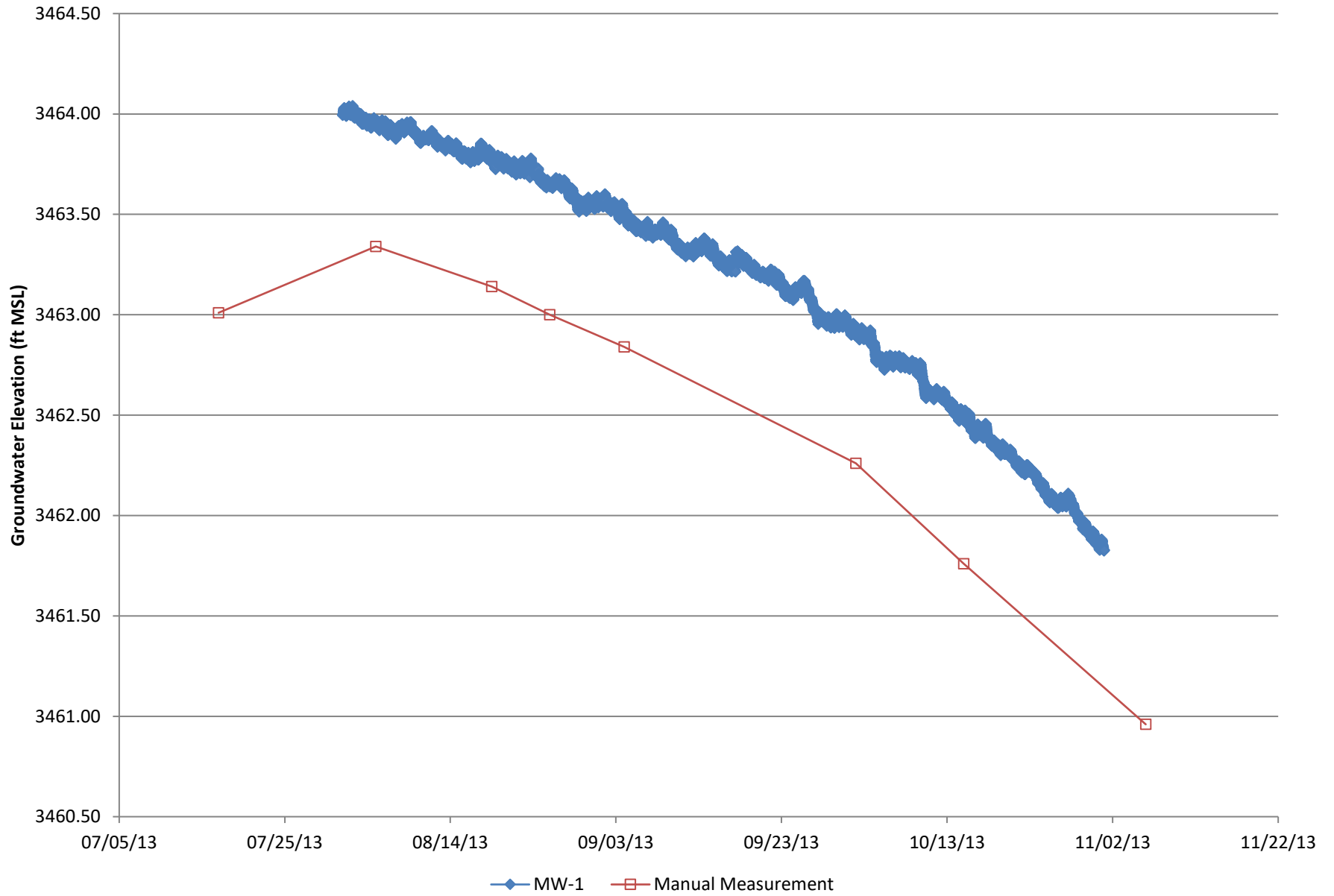
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APPENDIX A
Hydrographs for On-Site Wells

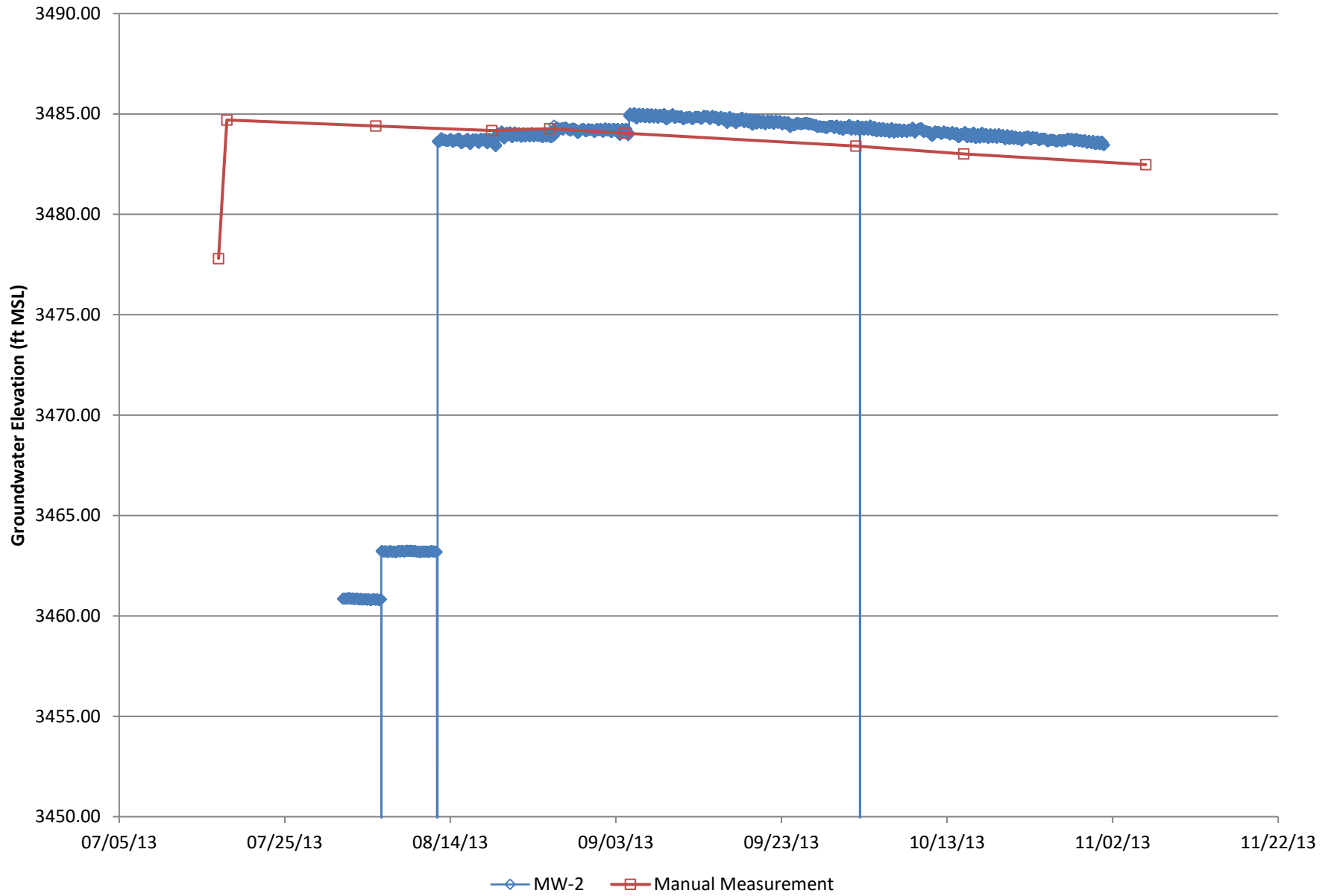
Monitoring Well MW-1



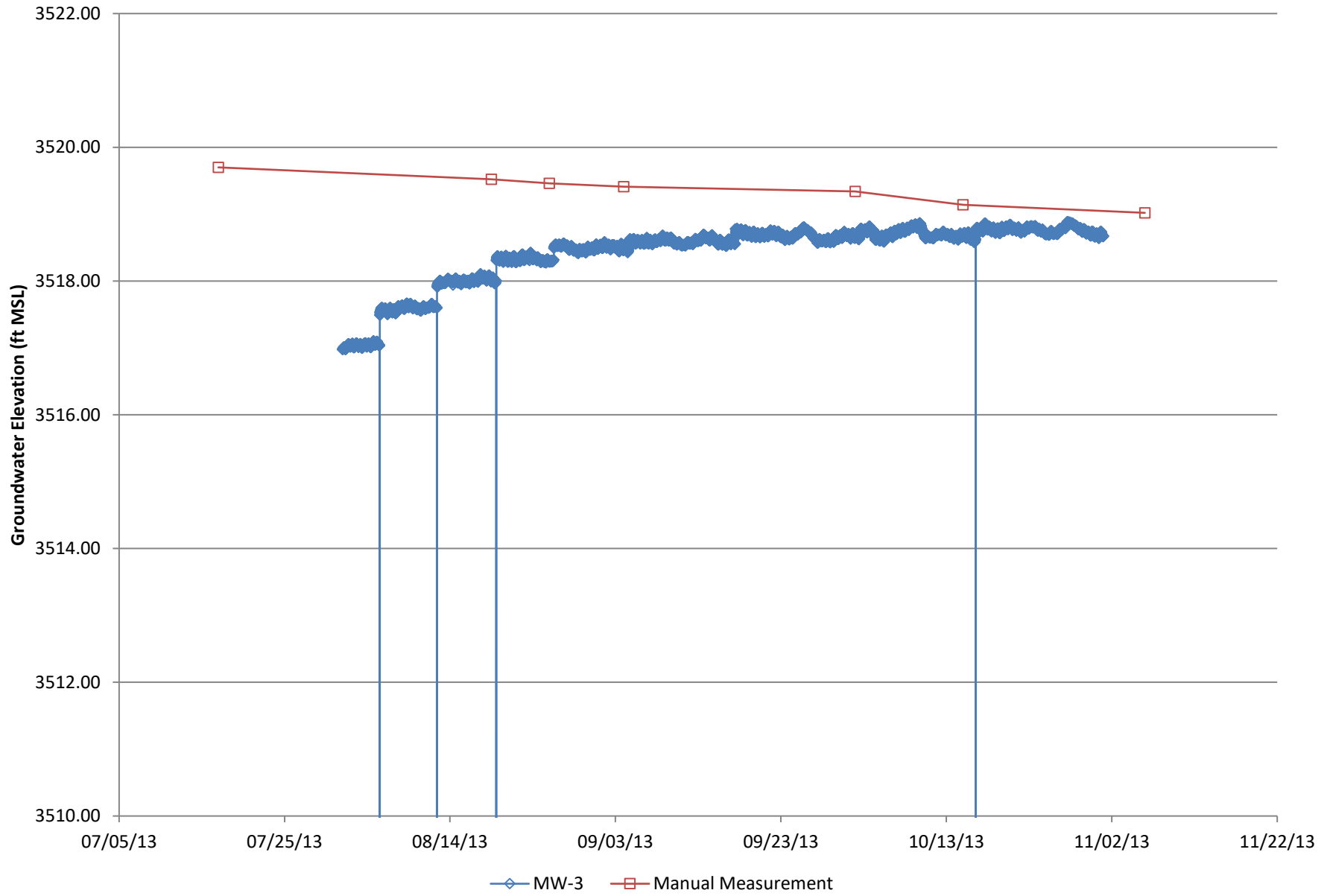
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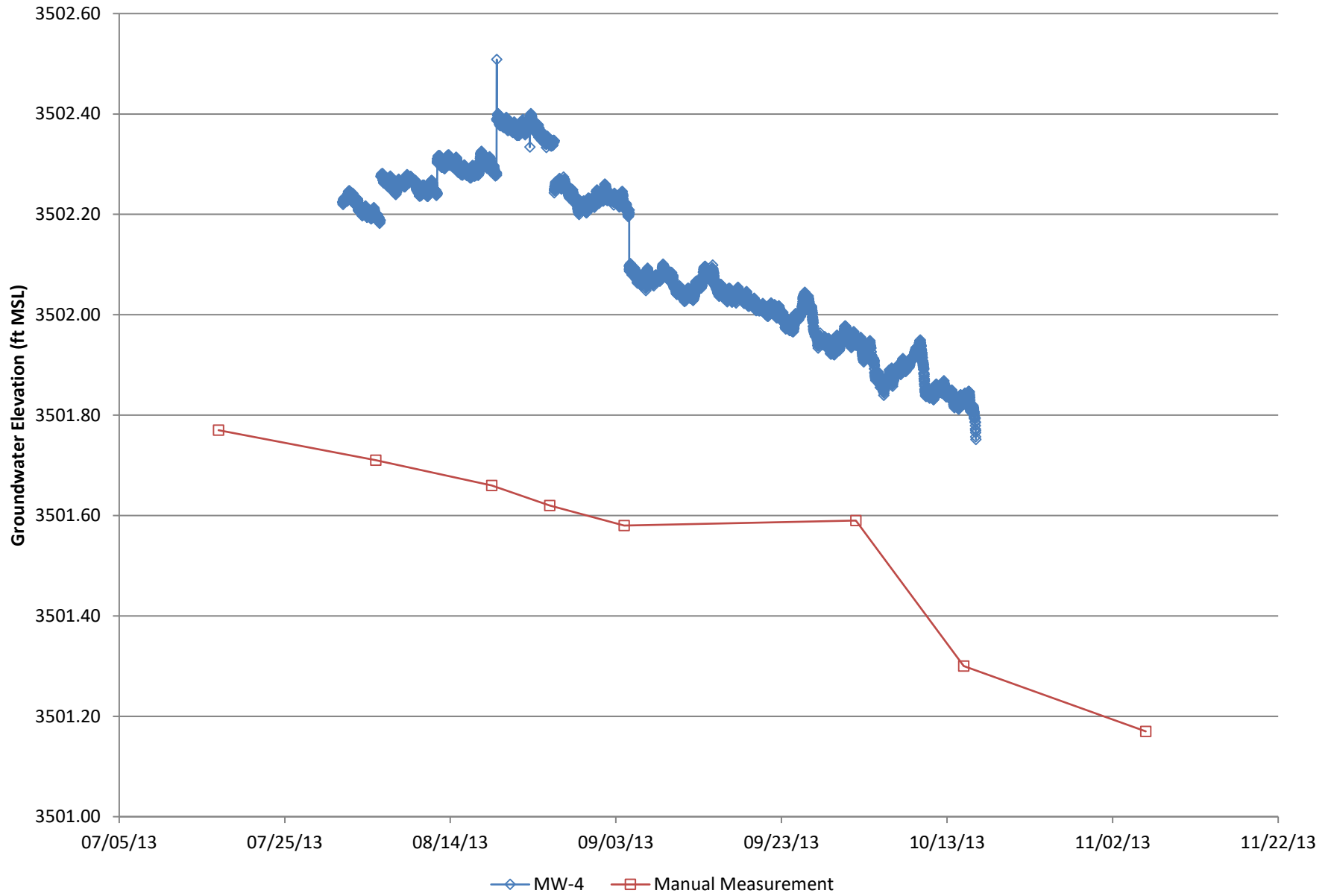
Monitoring Well MW-2



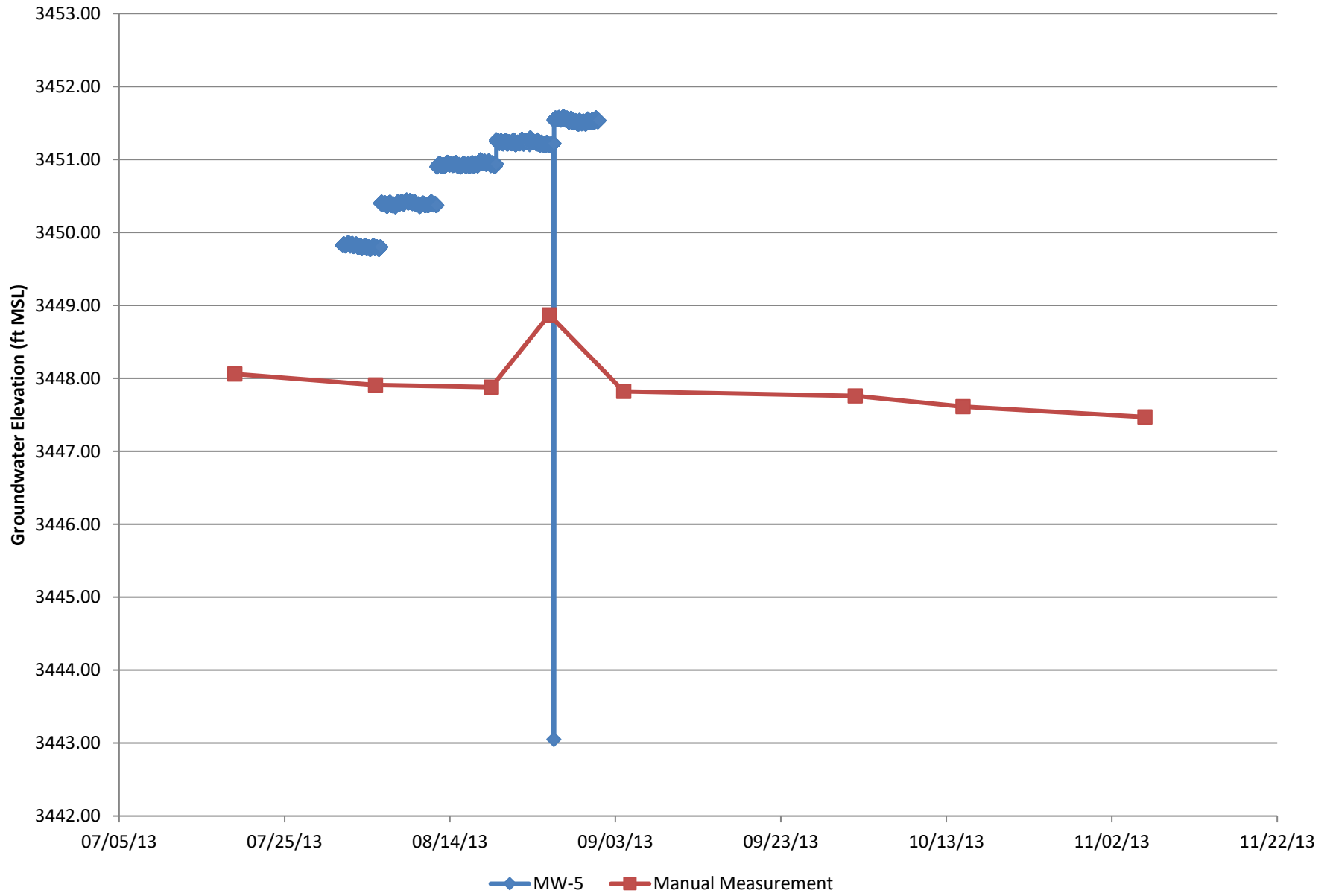
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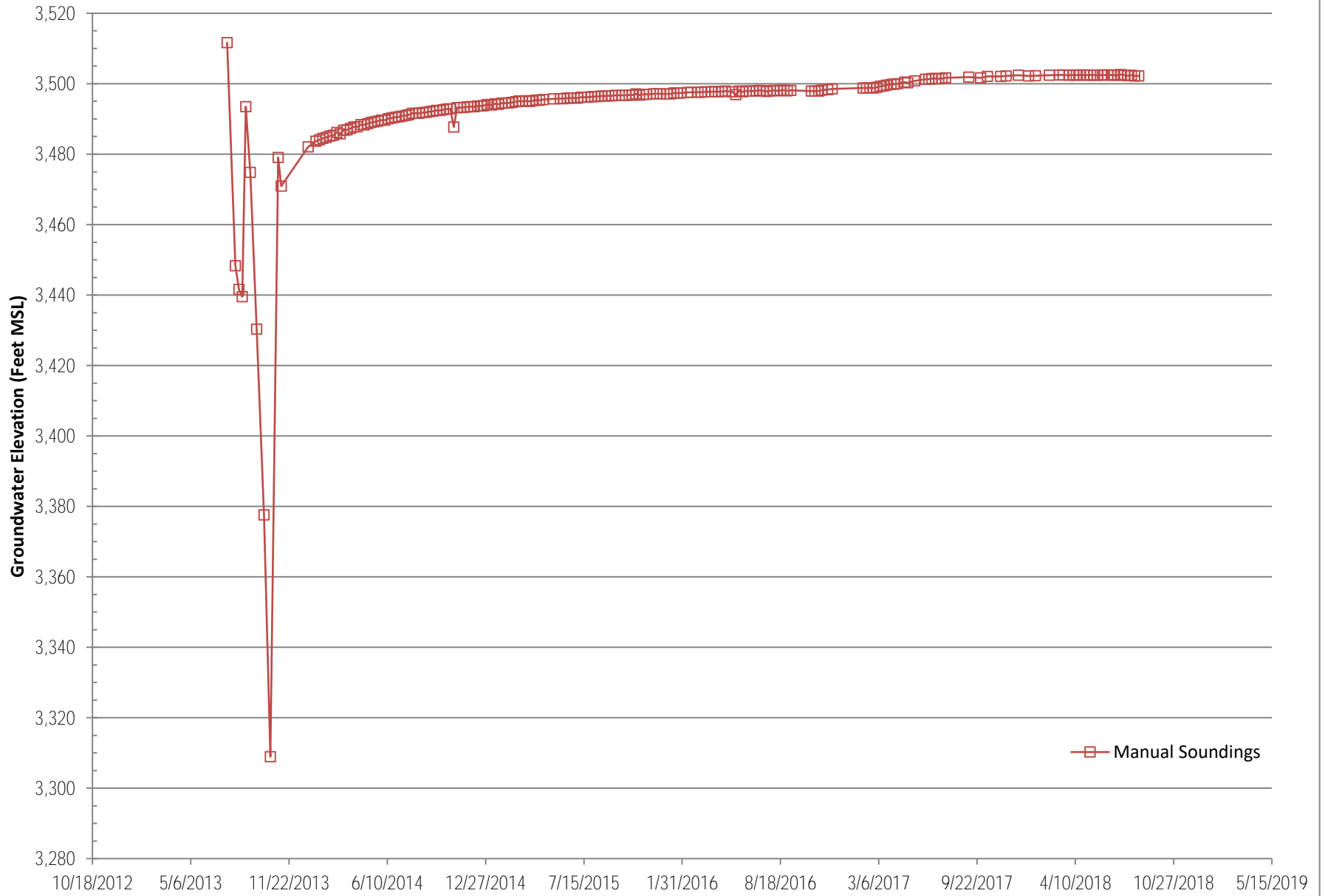
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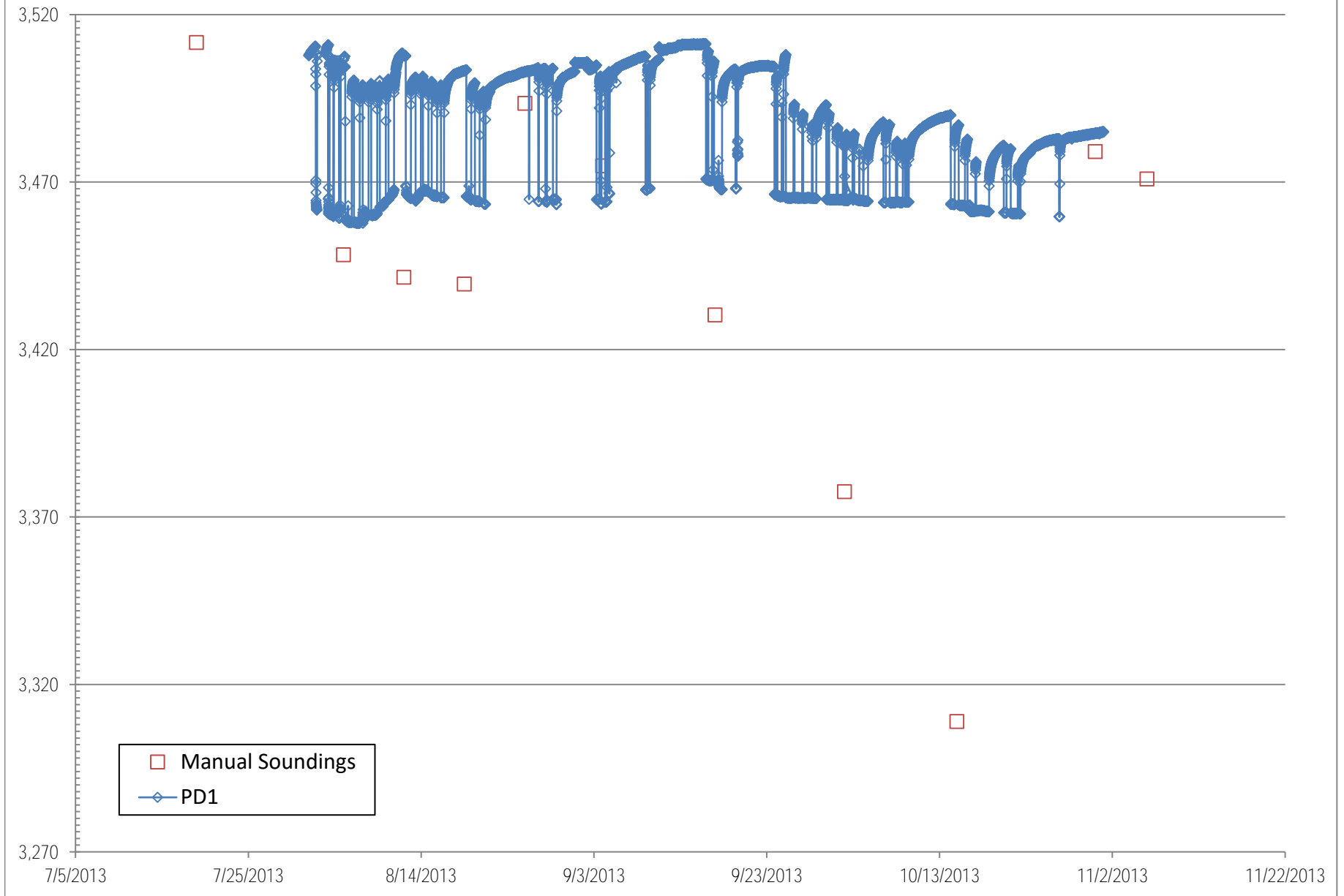
Monitoring Well MW-5



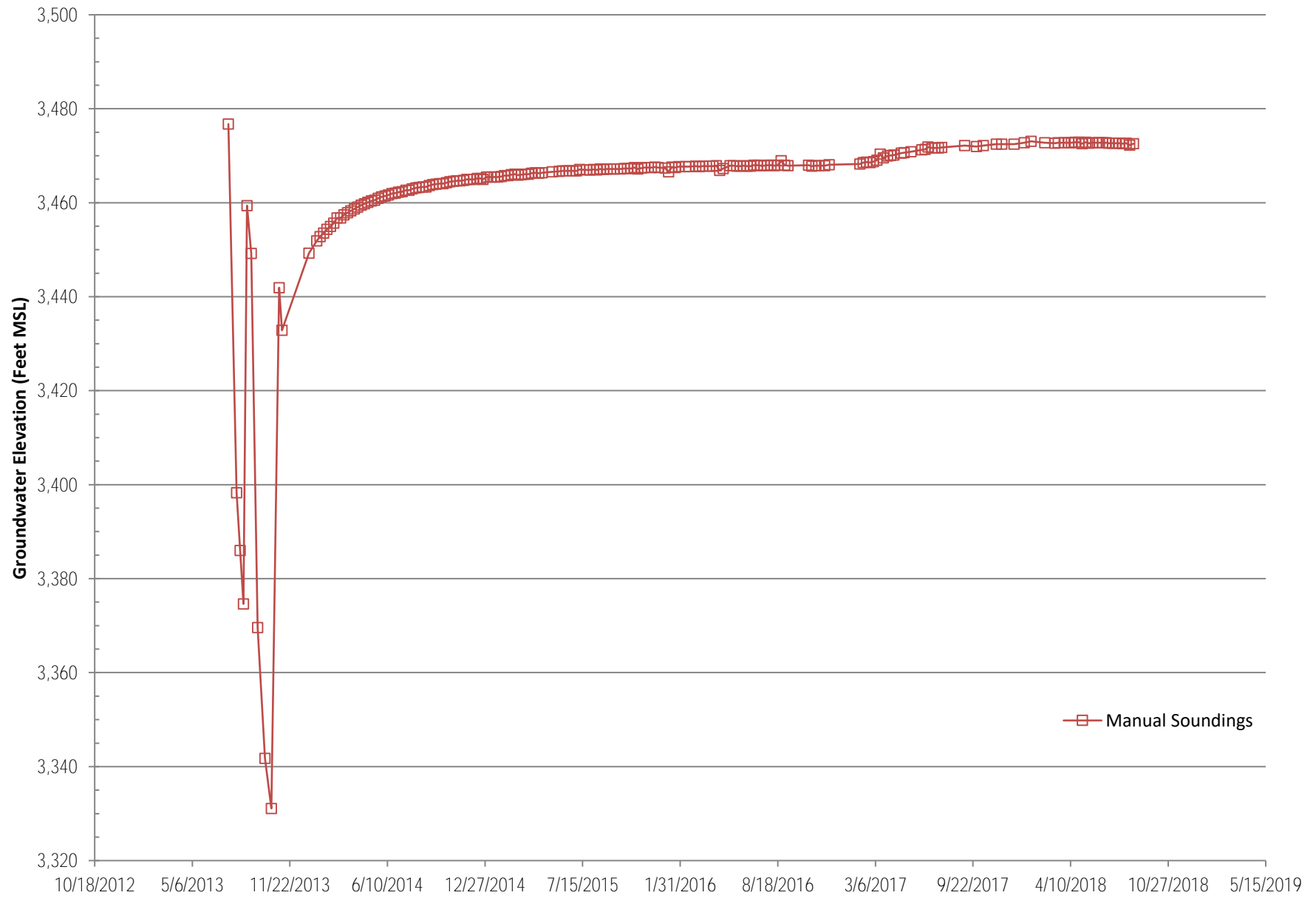
Supply Well PD1



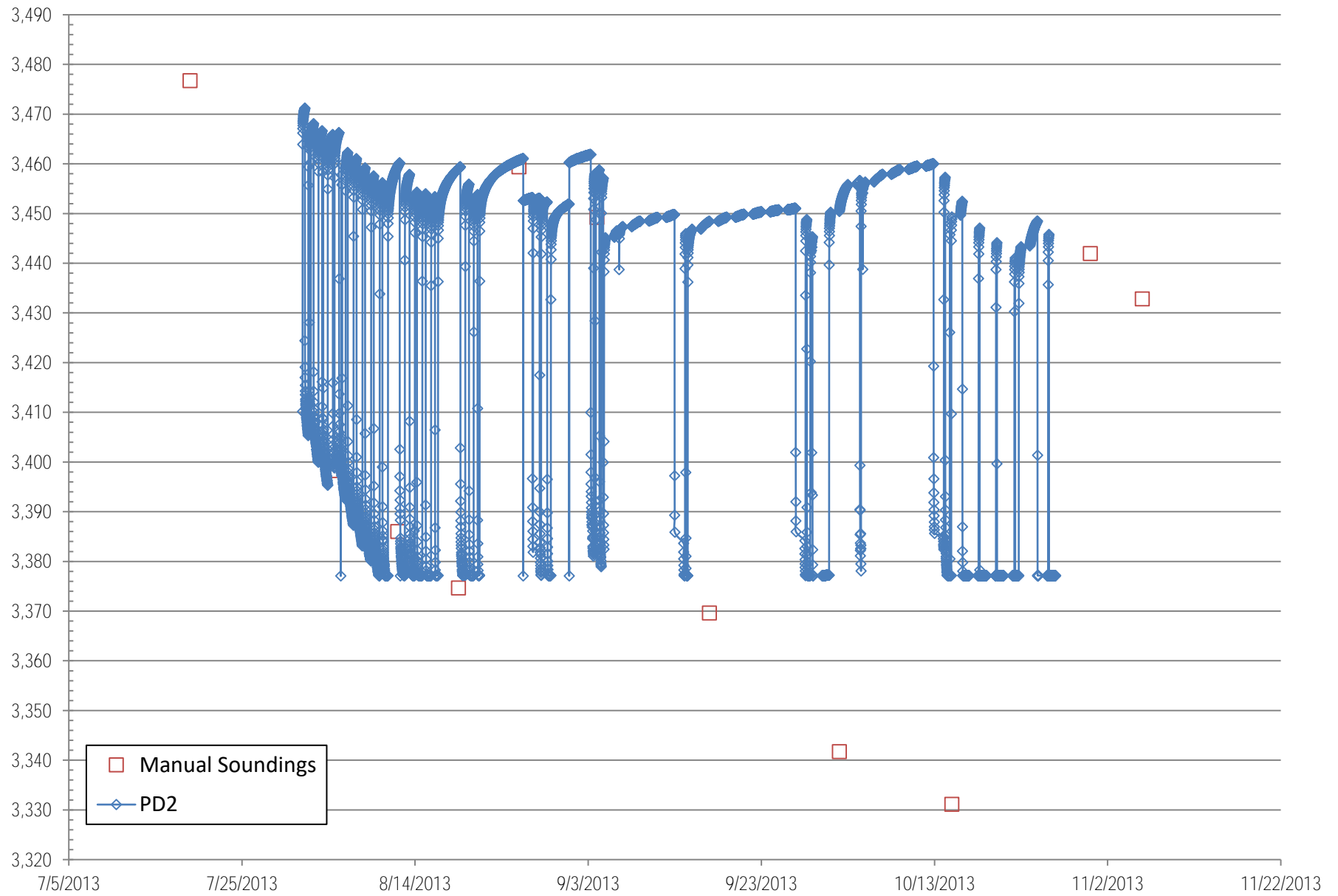
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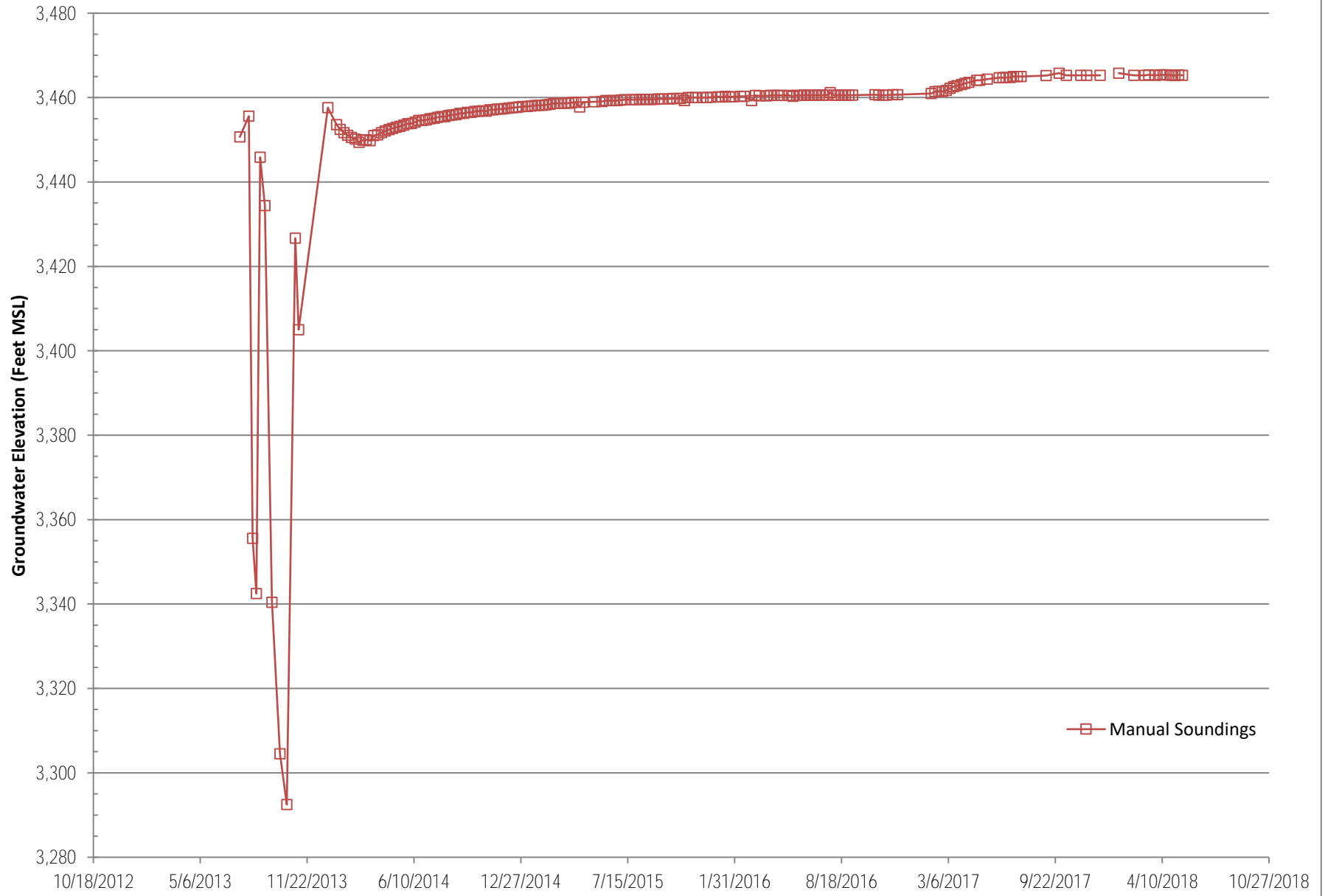
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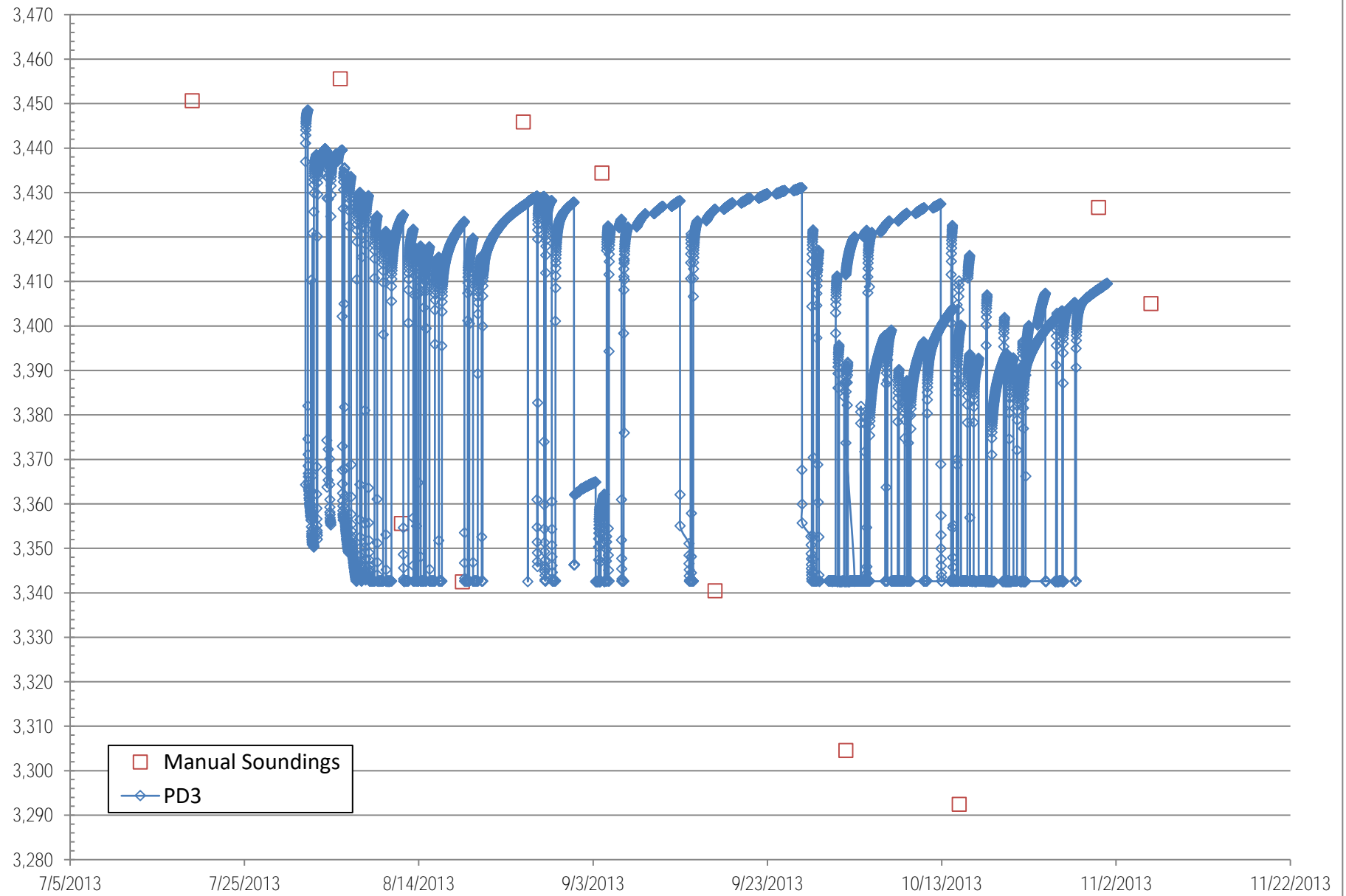
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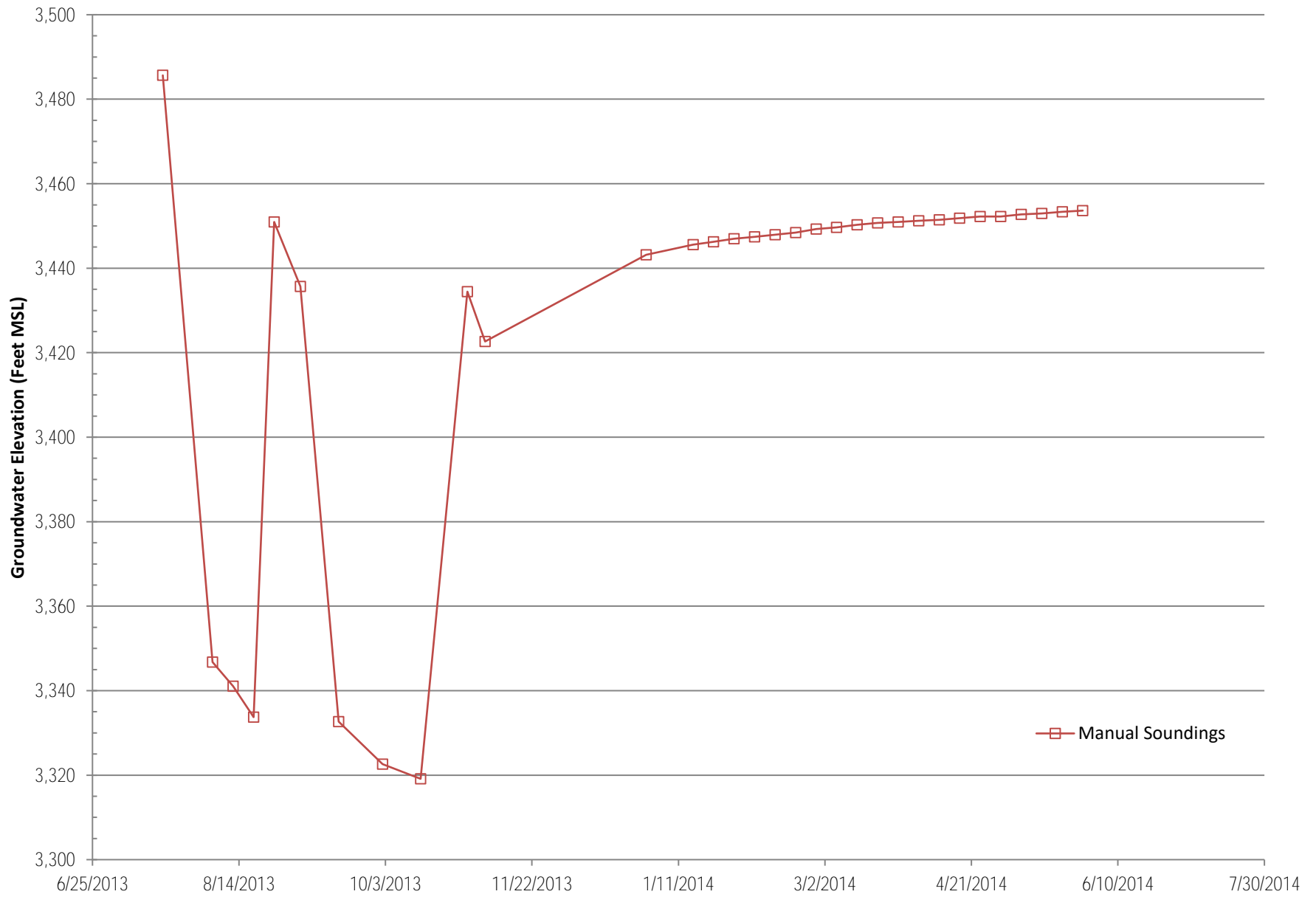
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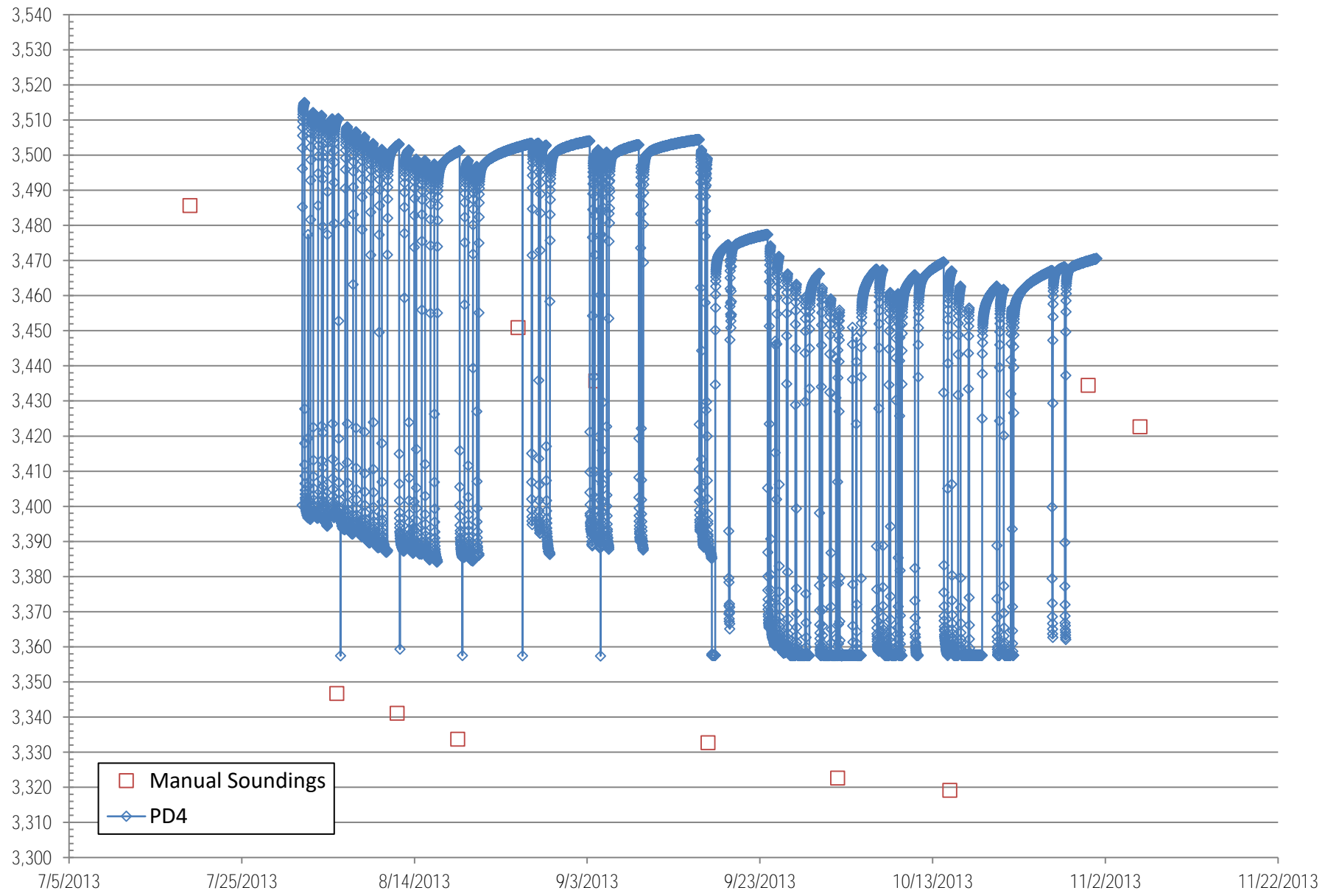
Supply Well PD3



Supply Well PD4



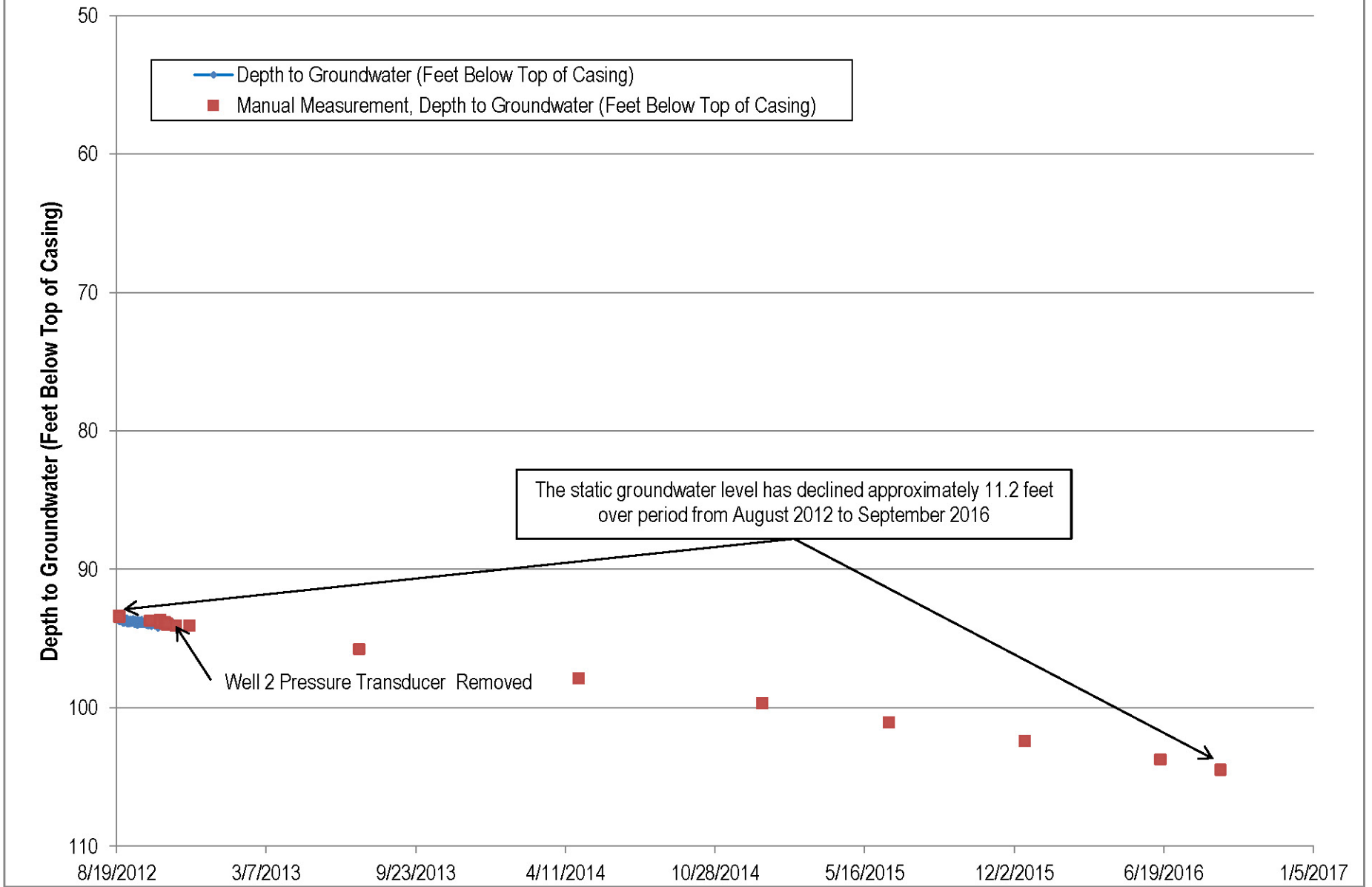
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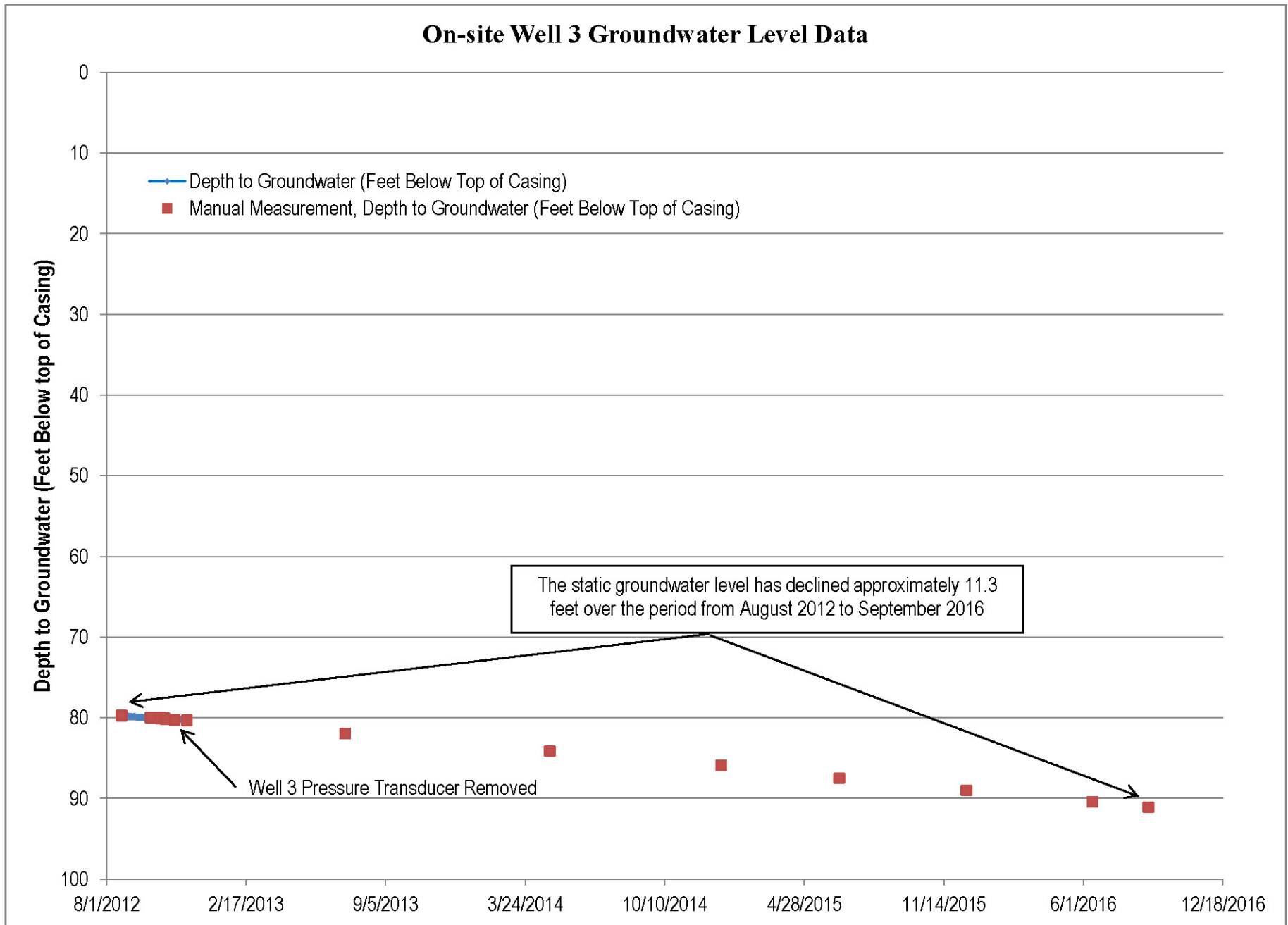
APPENDIX B
Hydrographs for Off-Site Wells

Long Term Water Level Monitoring Tierra del Sol Solar Farm Project

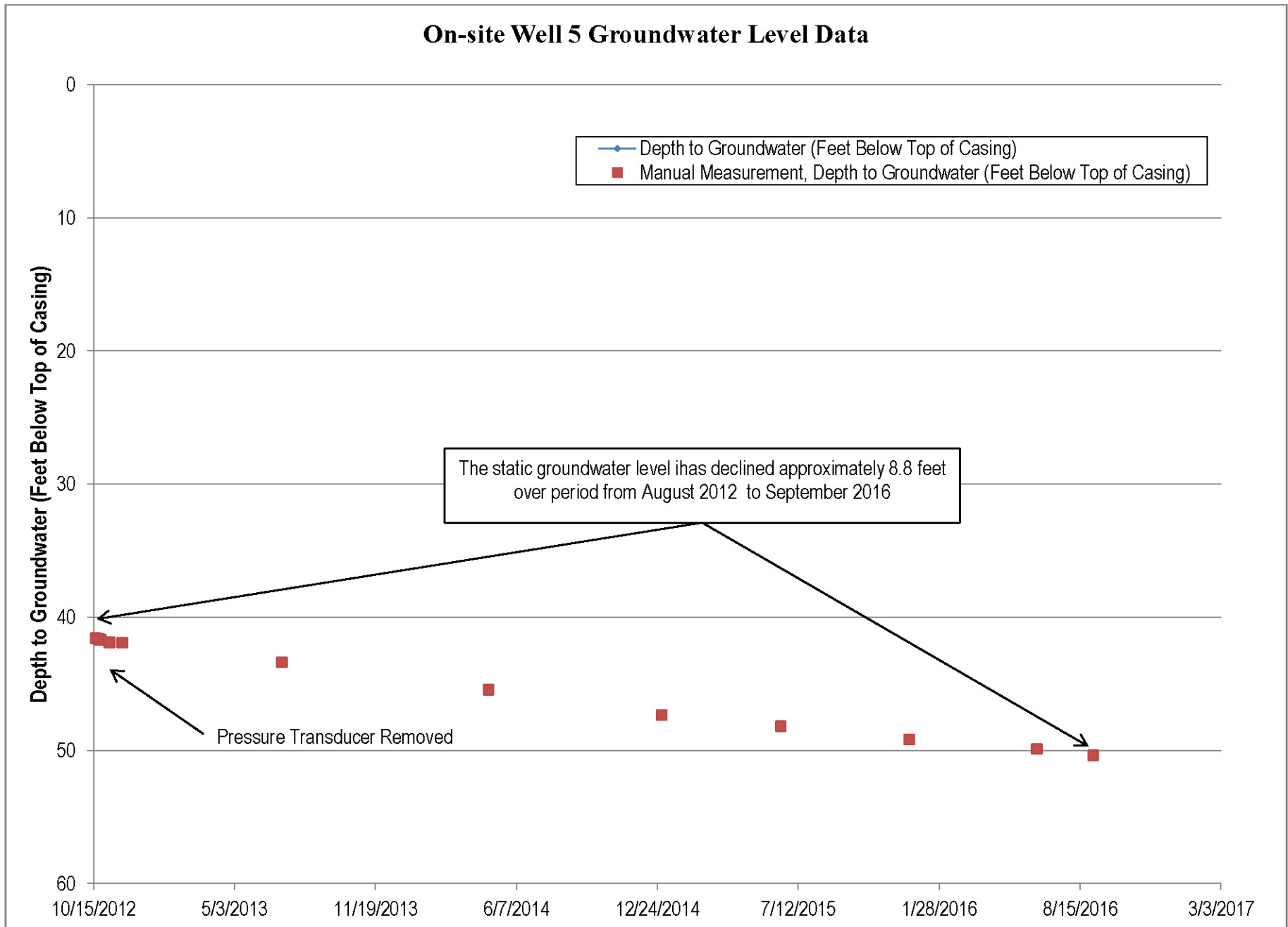
On-site Well 2 Groundwater Level Data



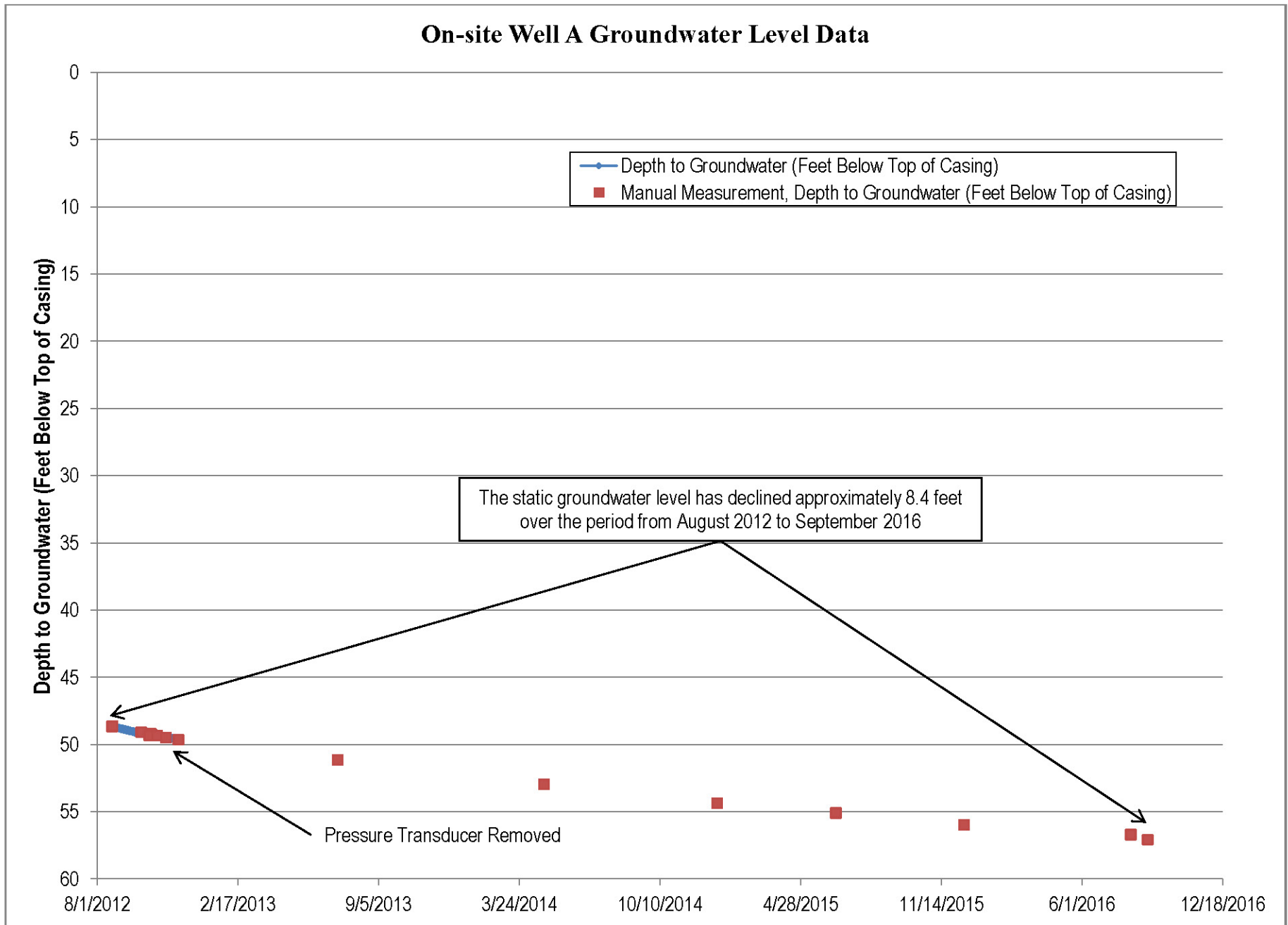
Long Term Water Level Monitoring Tierra del Sol Solar Farm Project



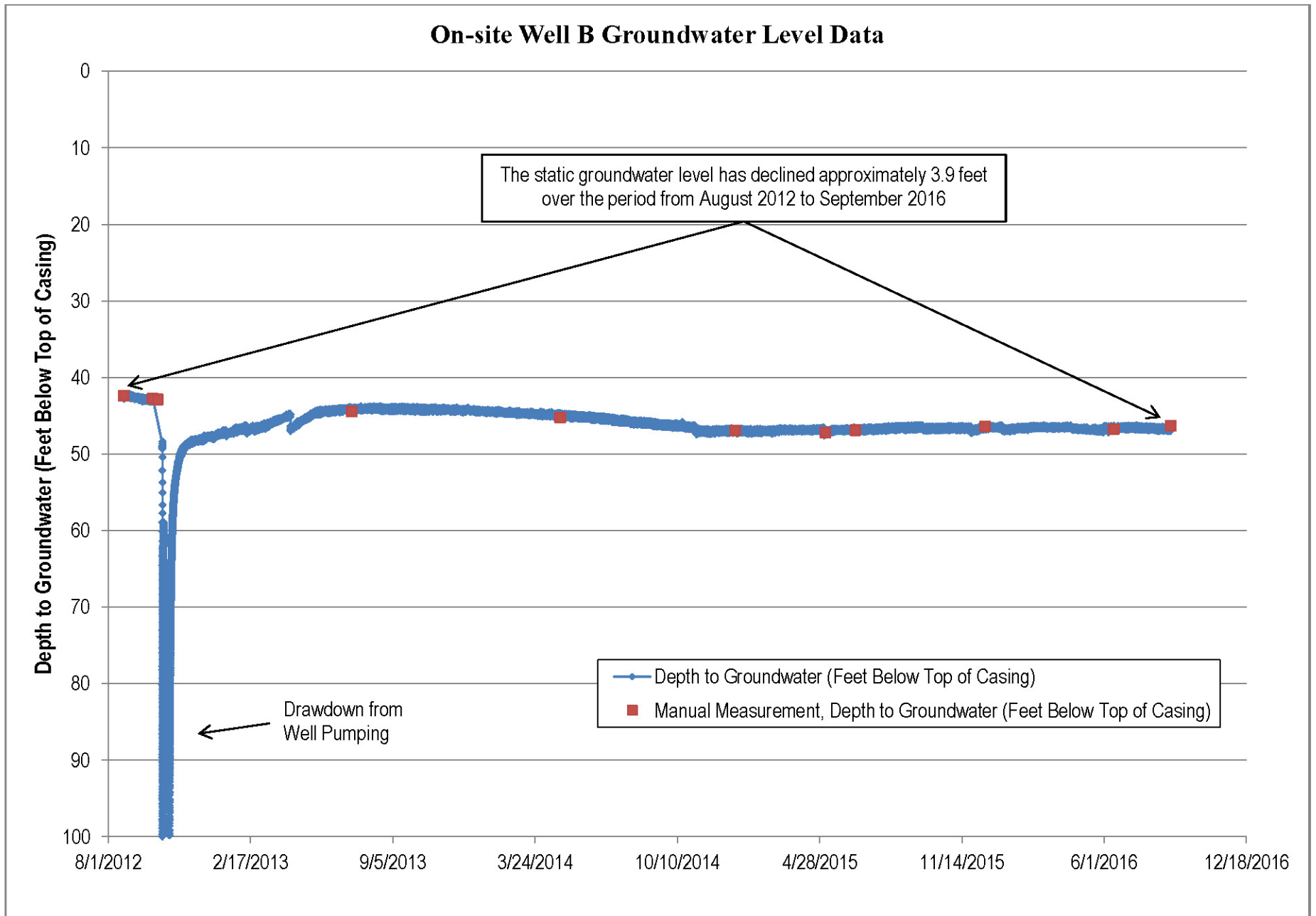
Long Term Water Level Monitoring Tierra del Sol Solar Farm Project



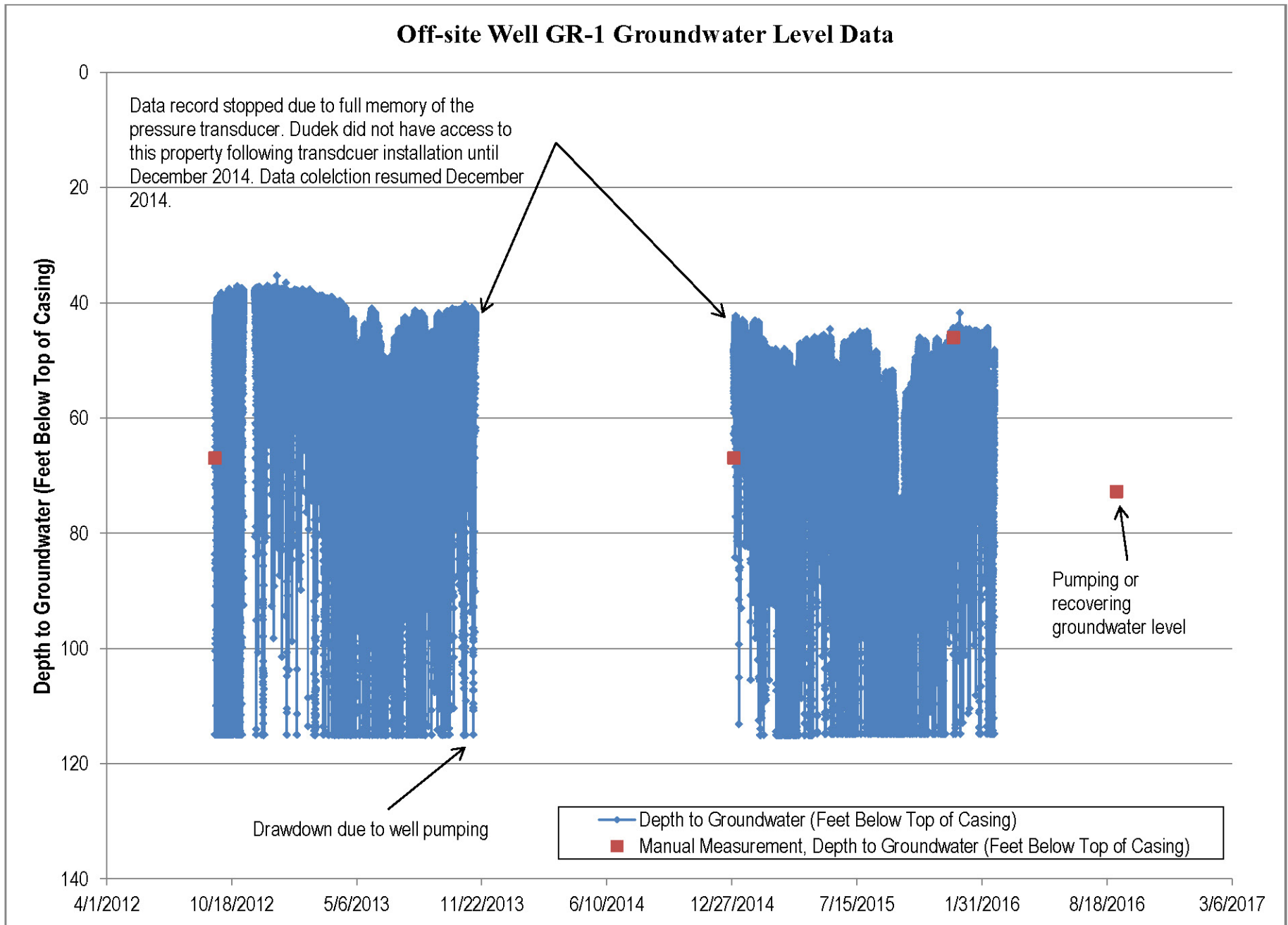
Long Term Water Level Monitoring Tierra del Sol Solar Farm Project



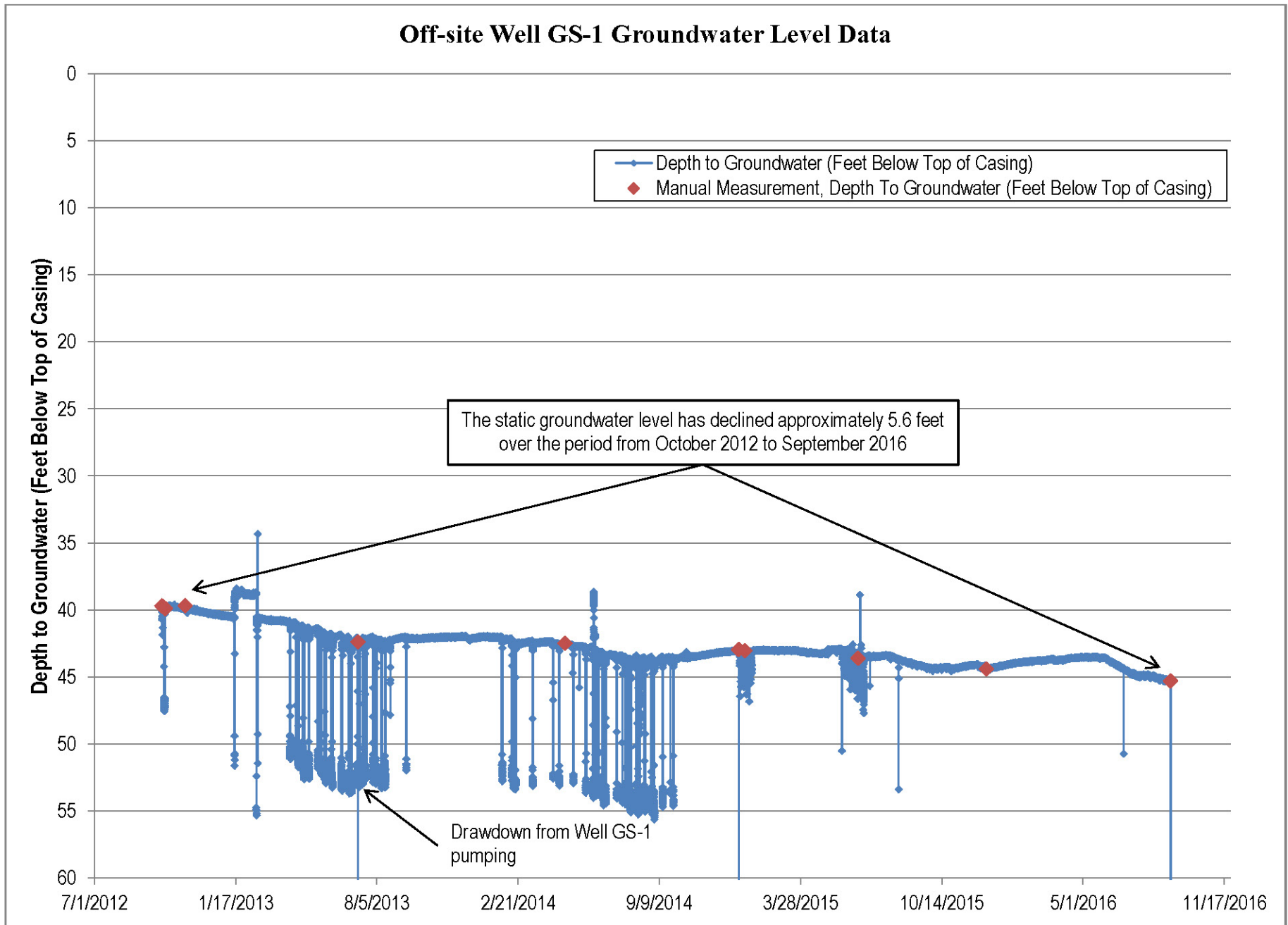
Long Term Groundwater Level Monitoring Tierra del Sol Solar Farm Project



Long Term Groundwater Level Monitoring Tierra del Sol Solar Farm Project

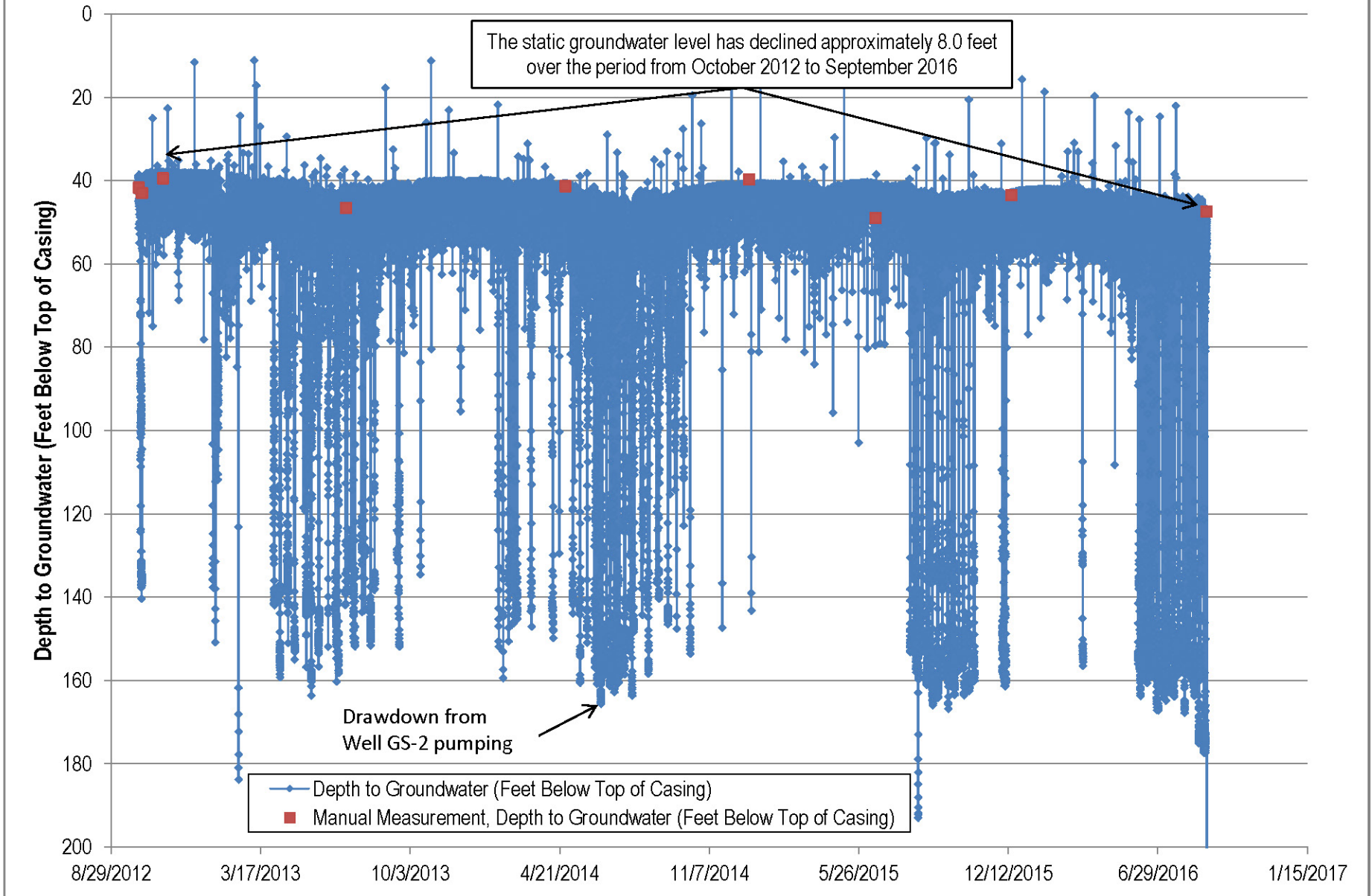


Long Term Groundwater Level Monitoring Tierra del Sol Solar Farm Project

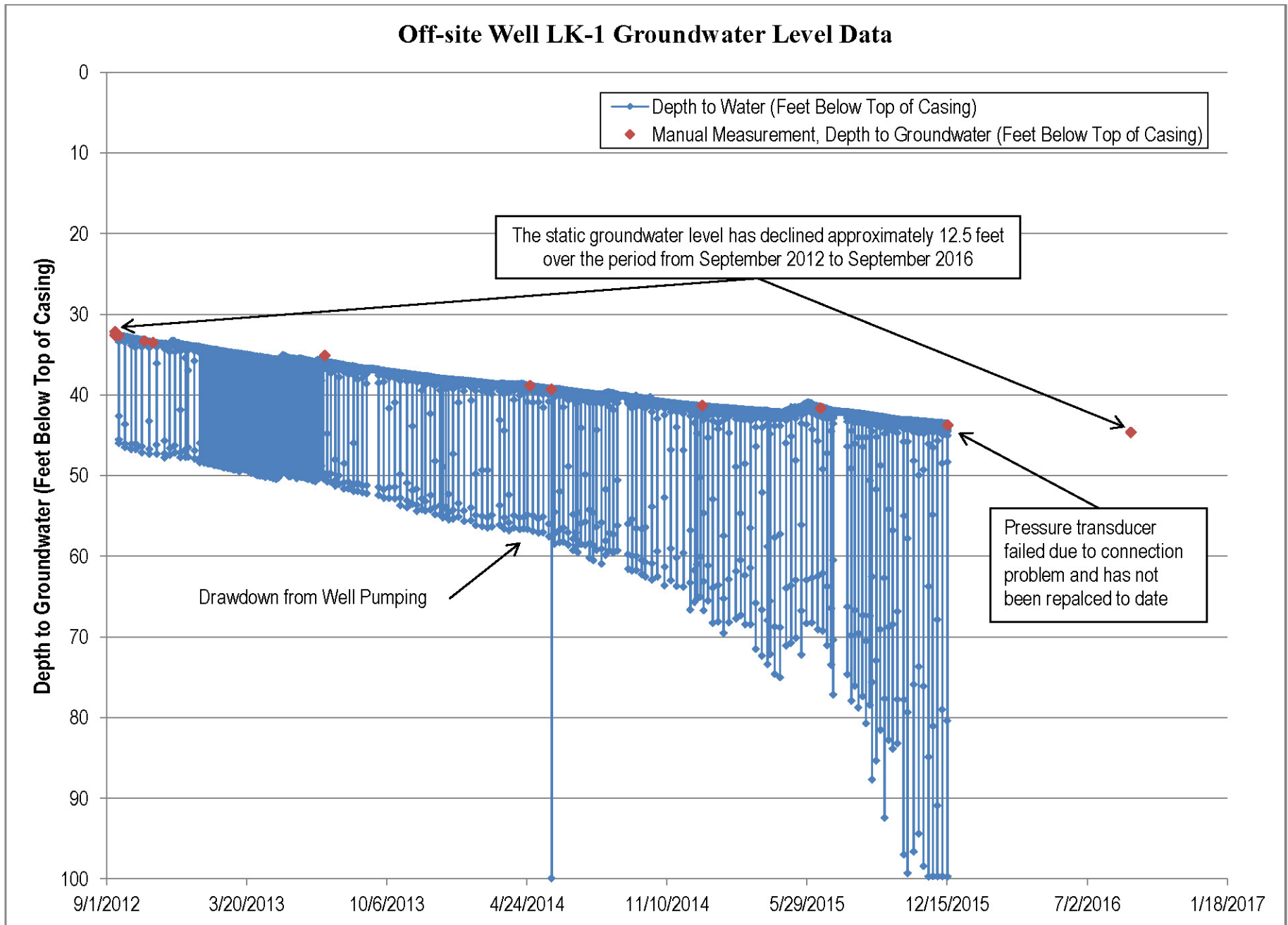


Long Term Groundwater Level Monitoring Tierra del Sol Solar Farm Project

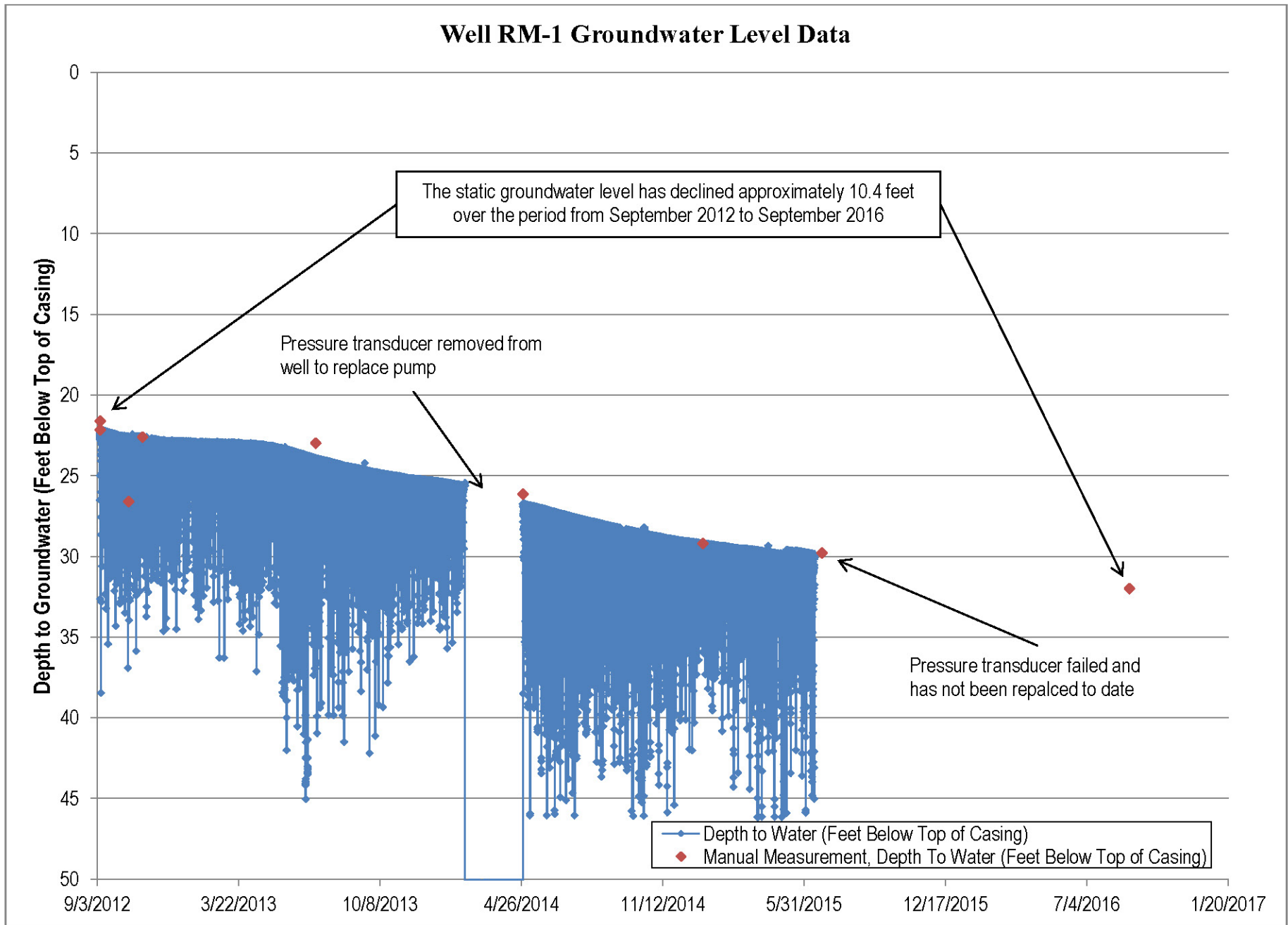
Off-site Well GS-2 Groundwater Level Data



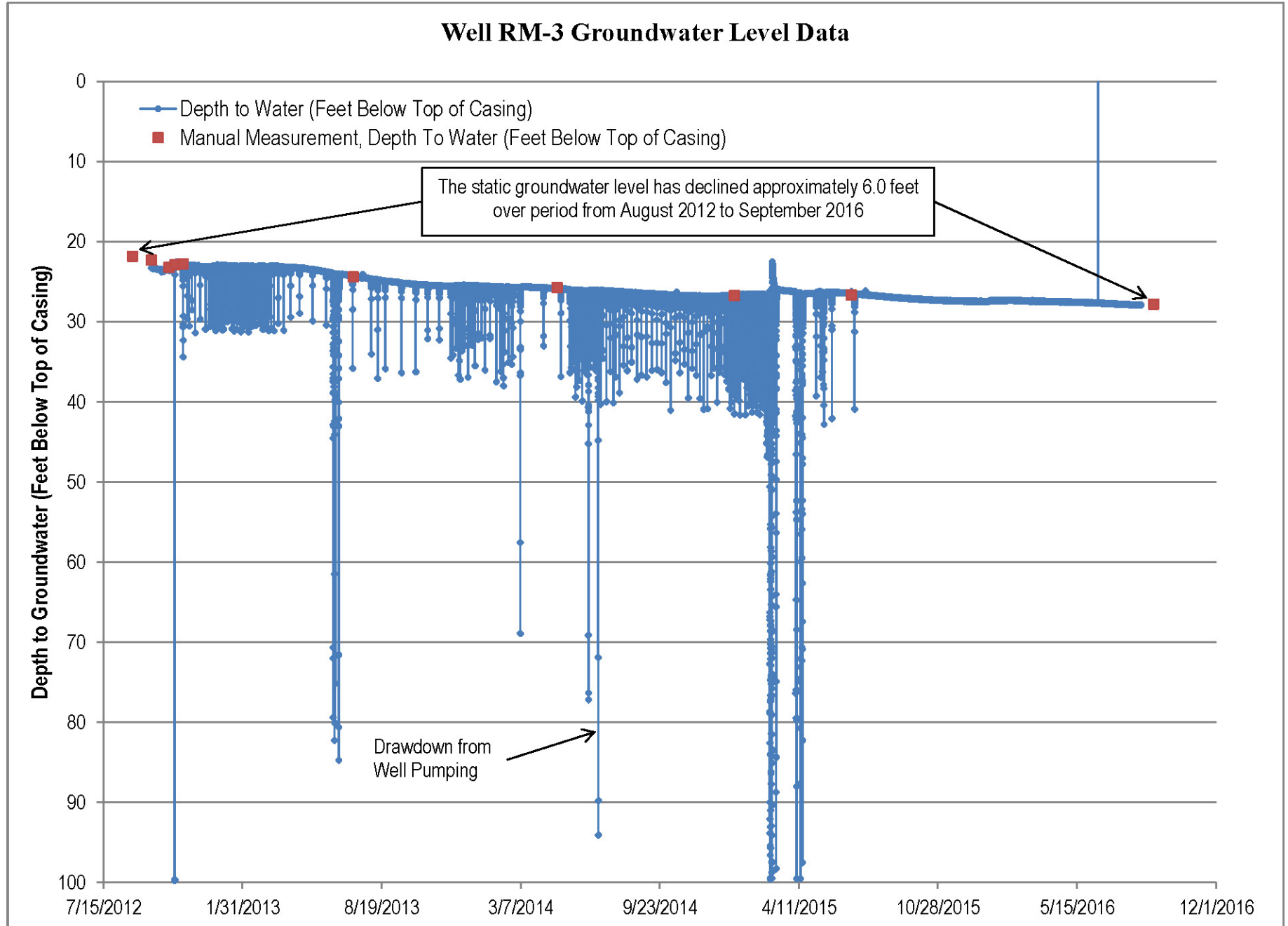
Long Term Groundwater Level Monitoring Tierra del Sol Solar Farm Project



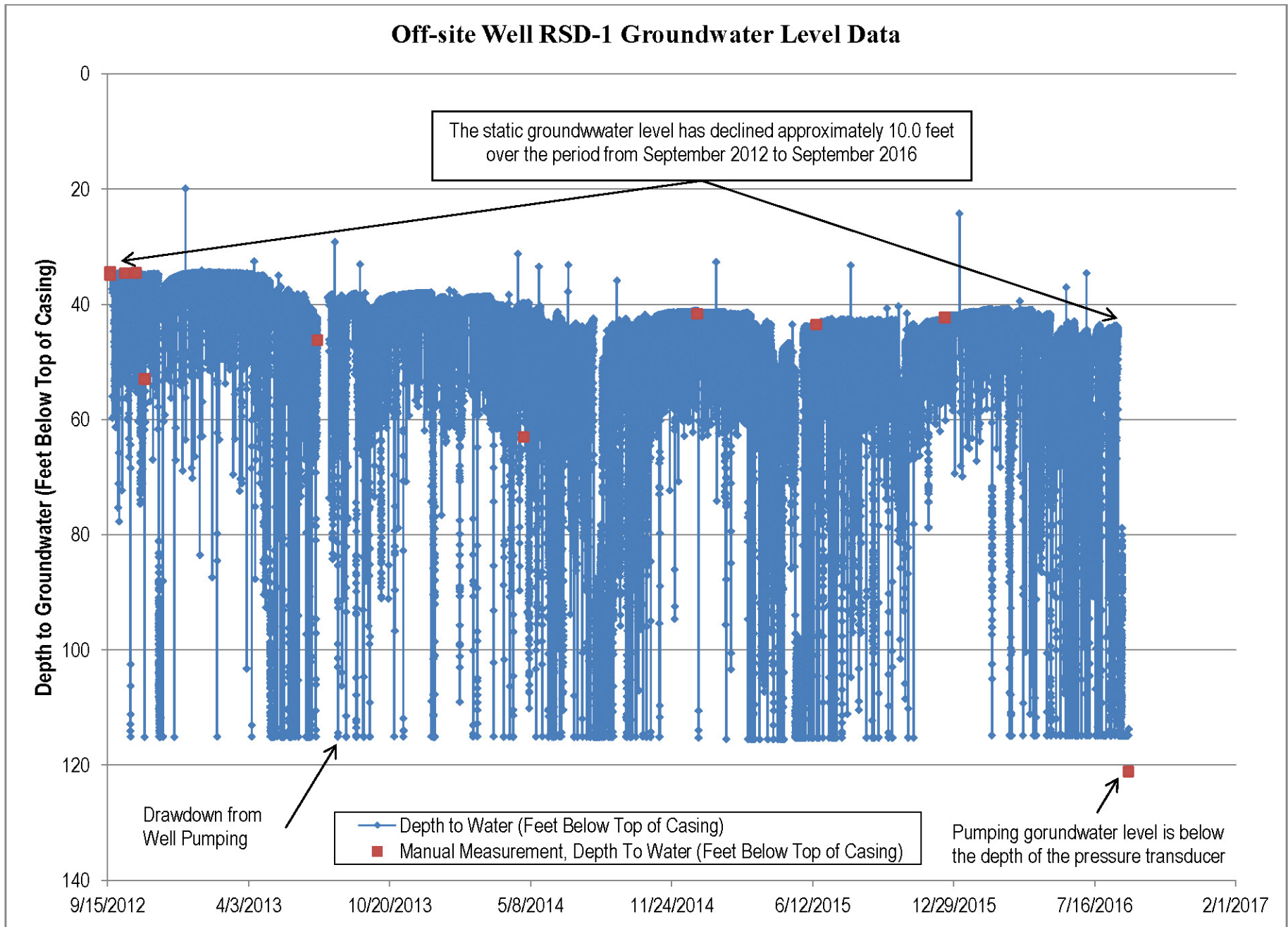
Long Term Groundwater Level Monitoring Tierra del Sol Solar Farm Project



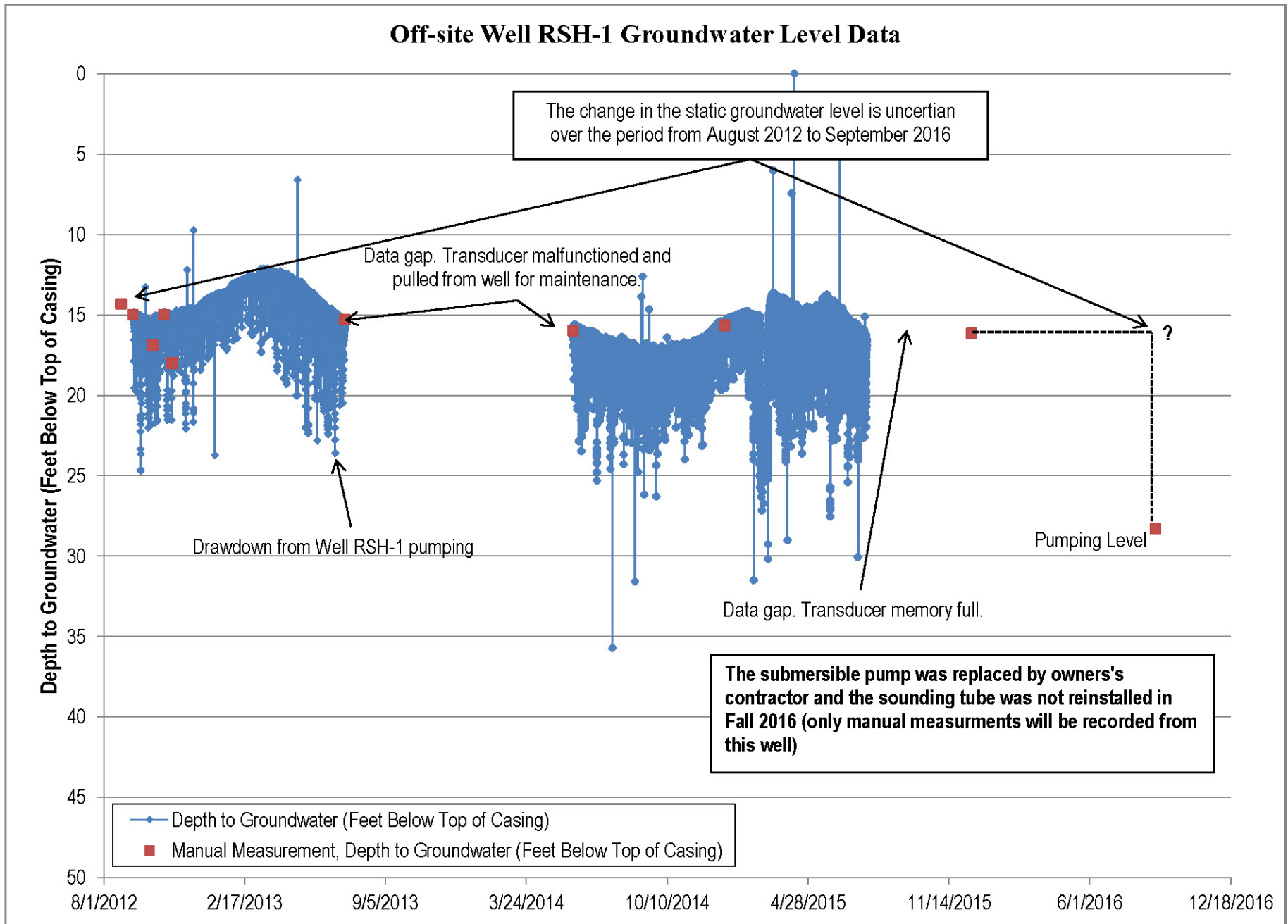
Long Term Water Level Monitoring Tierra del Sol



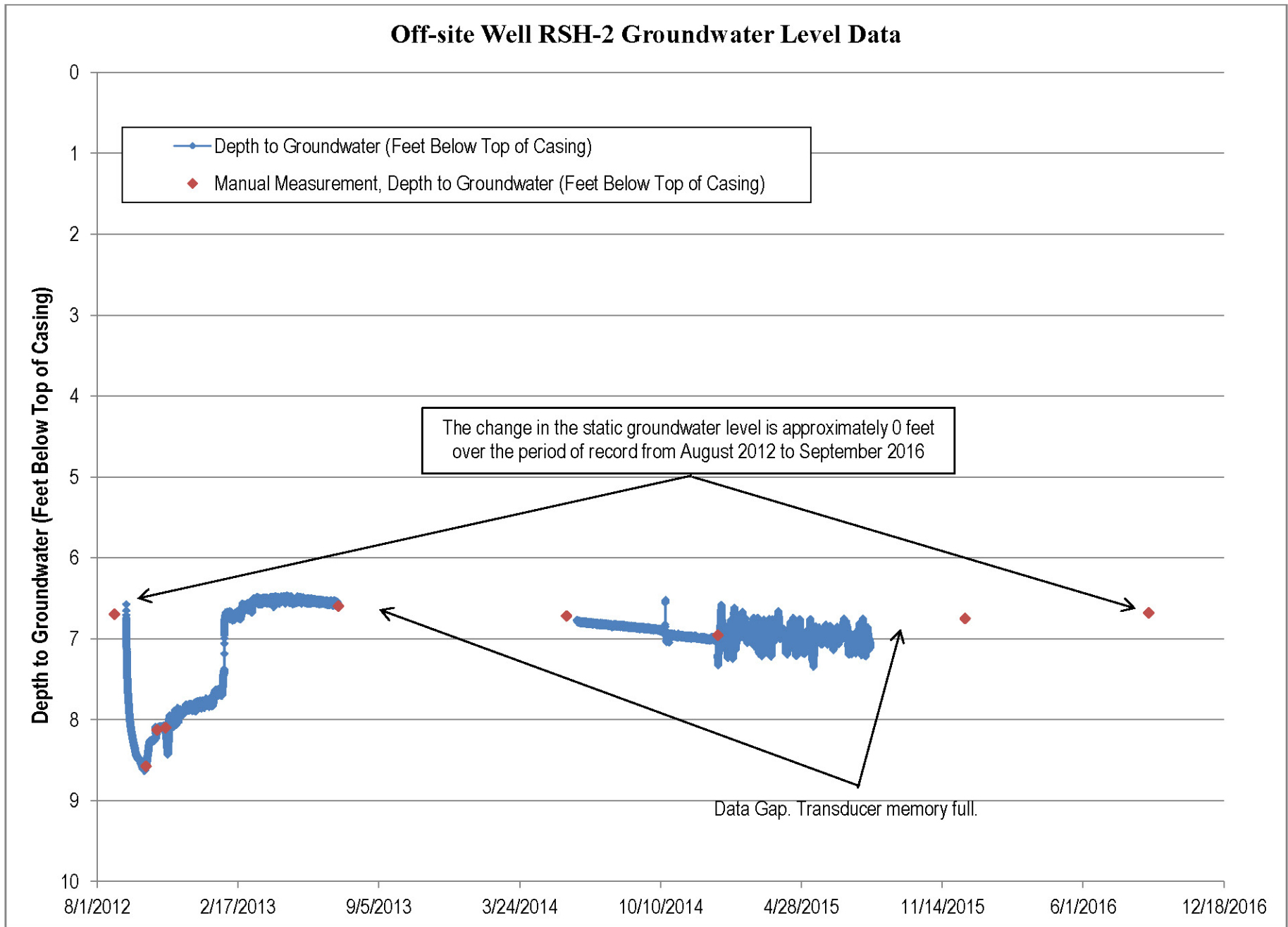
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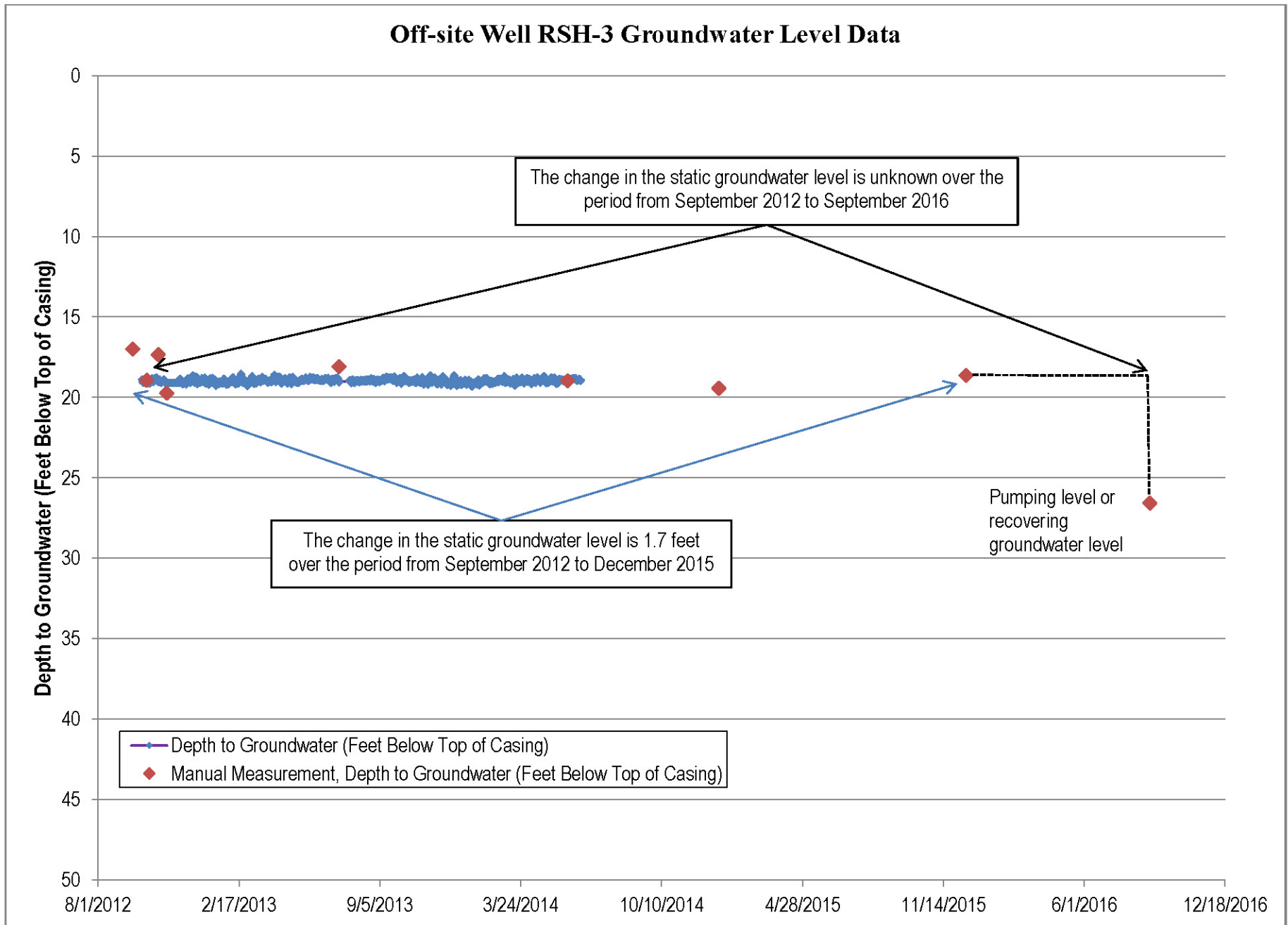
Long Term Water Level Monitoring Tierra del Sol Solar Farm Project



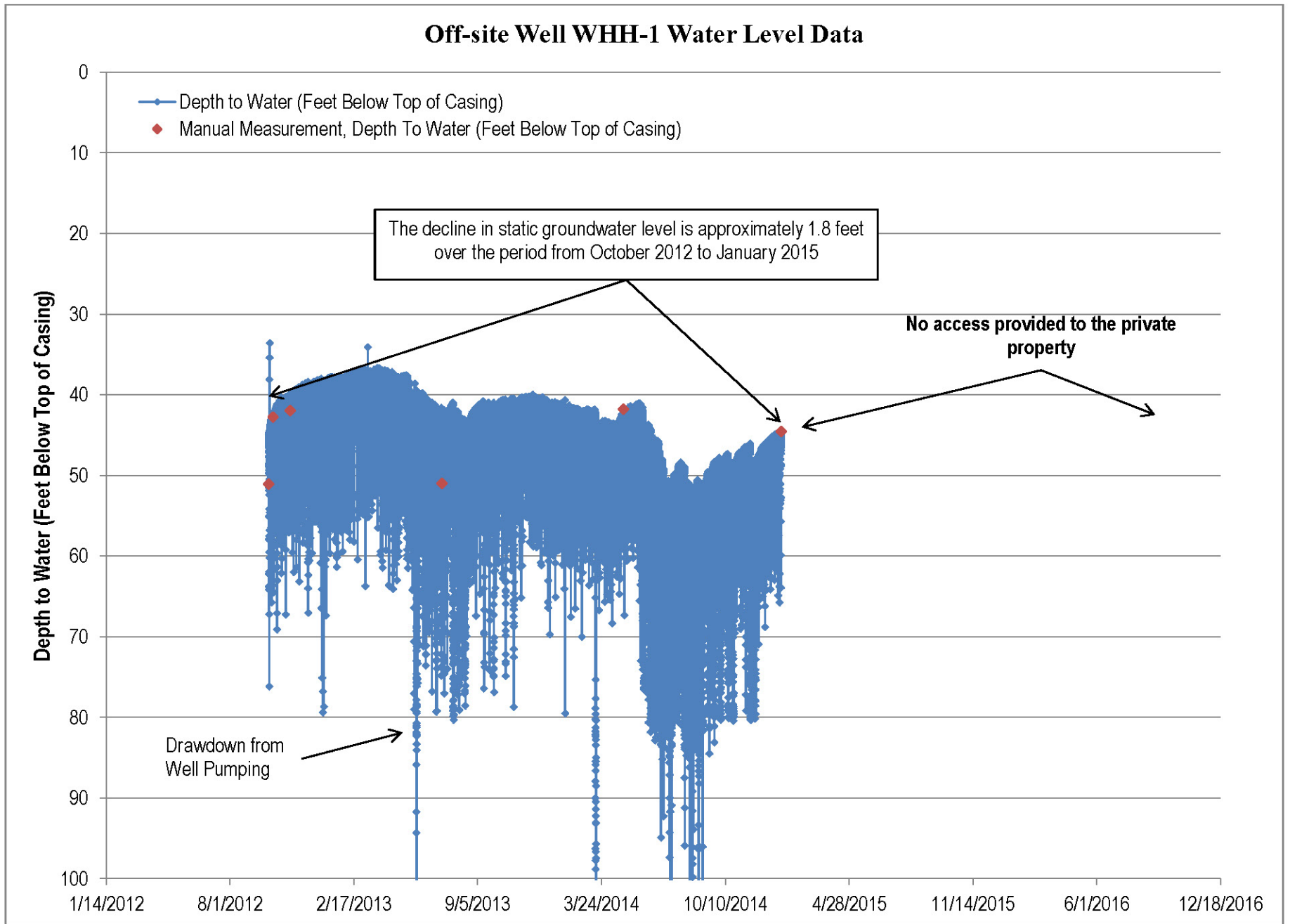
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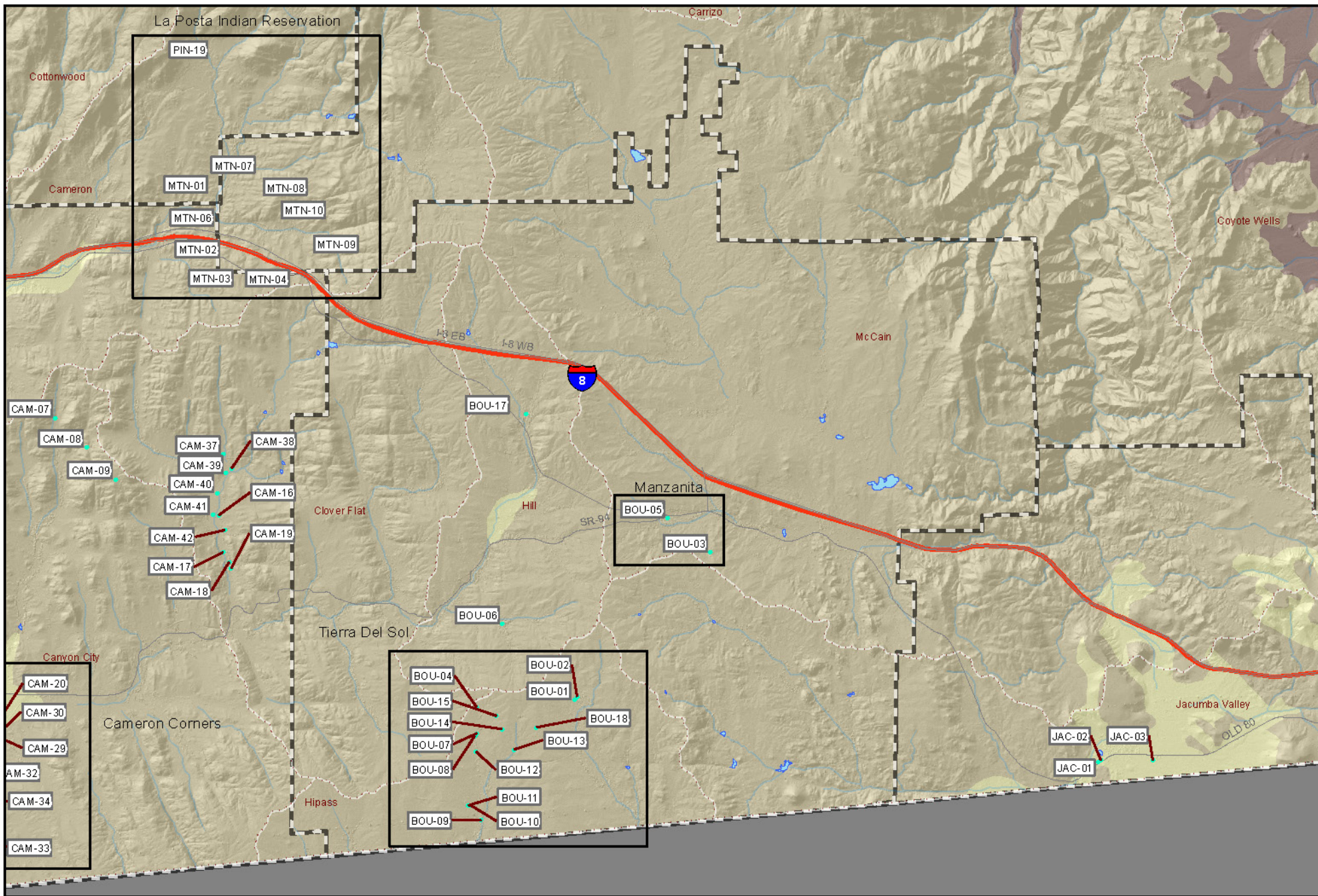


Long Term Water Level Monitoring Tierra del Sol Solar Farm Project



Long Term Water Level Monitoring Tierra del Sol Solar Farm Project

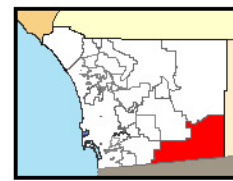




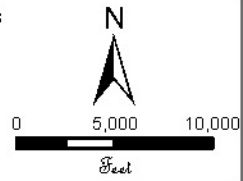
Monitored Wells - Boulevard
 FIGURE 2-17

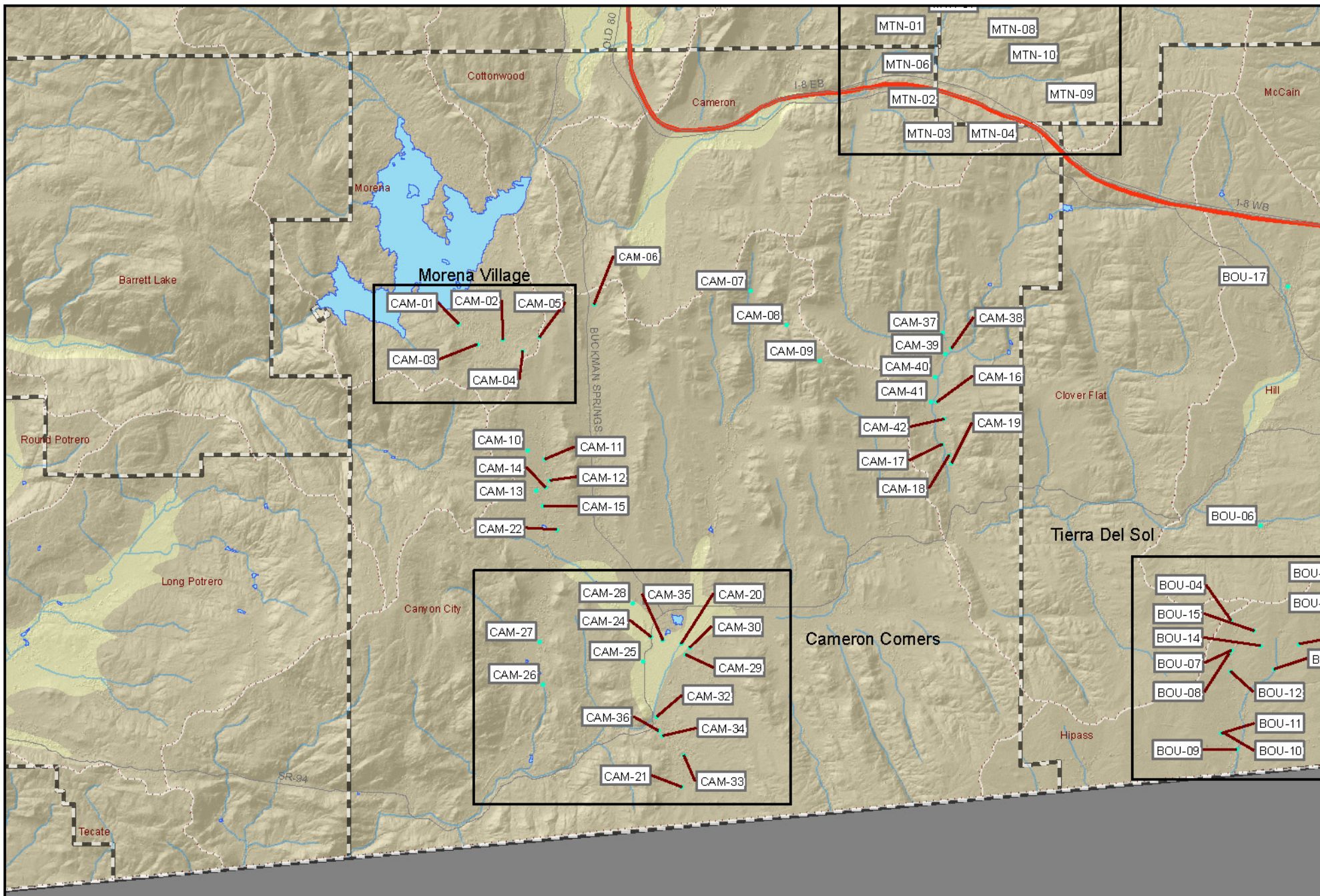


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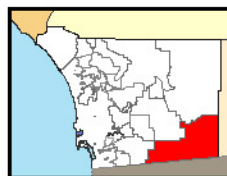


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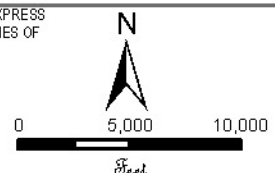


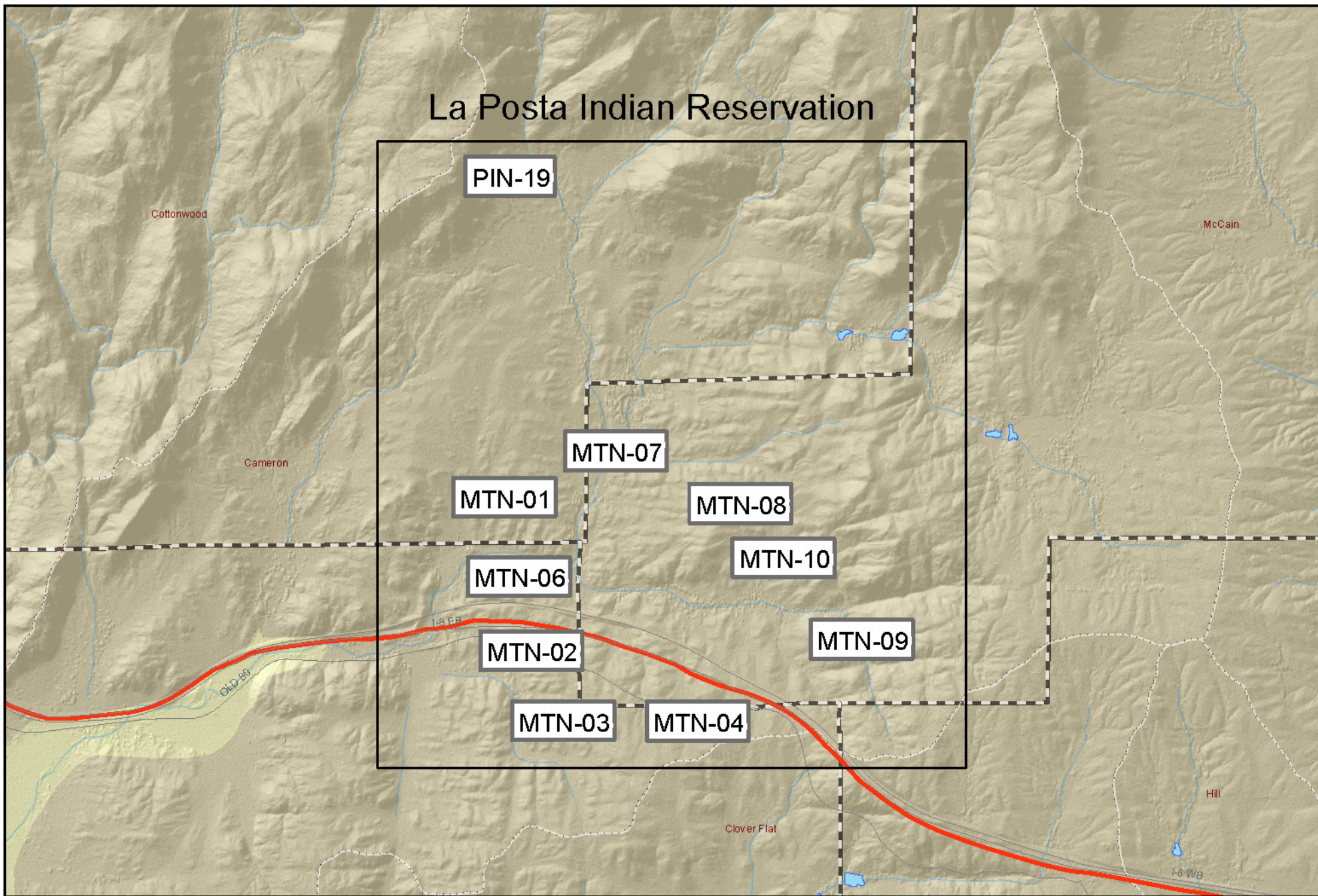


Monitored Wells - Campo
 FIGURE 2-18



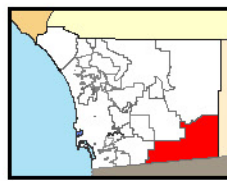
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Monitored Wells - Mountain Empire
La Posta Indian Reservation

FIGURE 2-26



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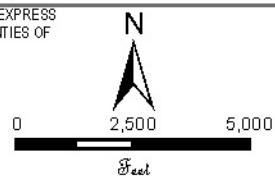


Figure 2-33: Boulevard Community Planning Group
Manzanita Well Hydrographs

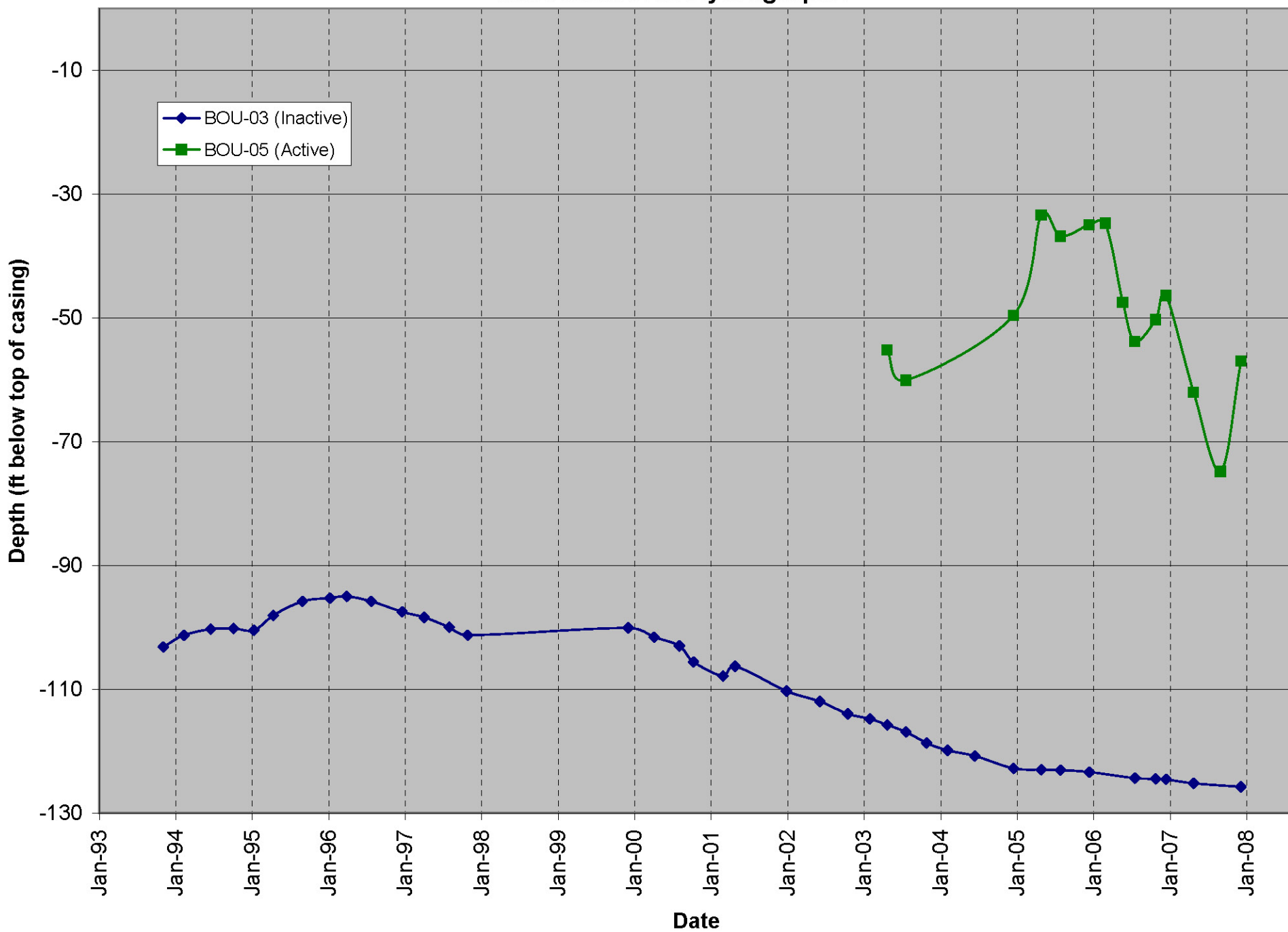


Figure 2-34: Boulevard Community Planning Group
Tierra Del Sol Well Hydrographs

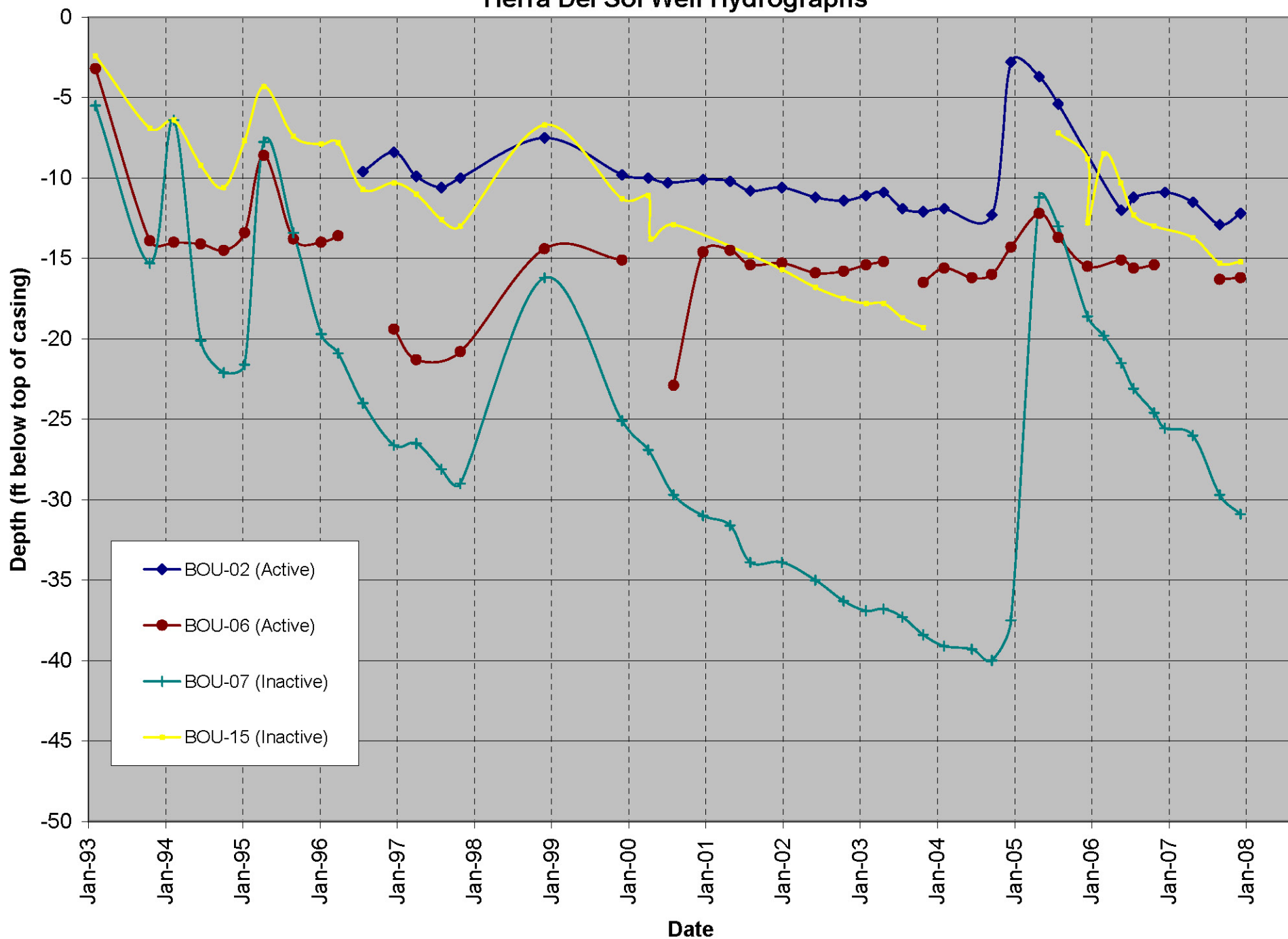


Figure 2-36: Campo-Lake Morena Community Planning Group
Morena Village Well Hydrographs

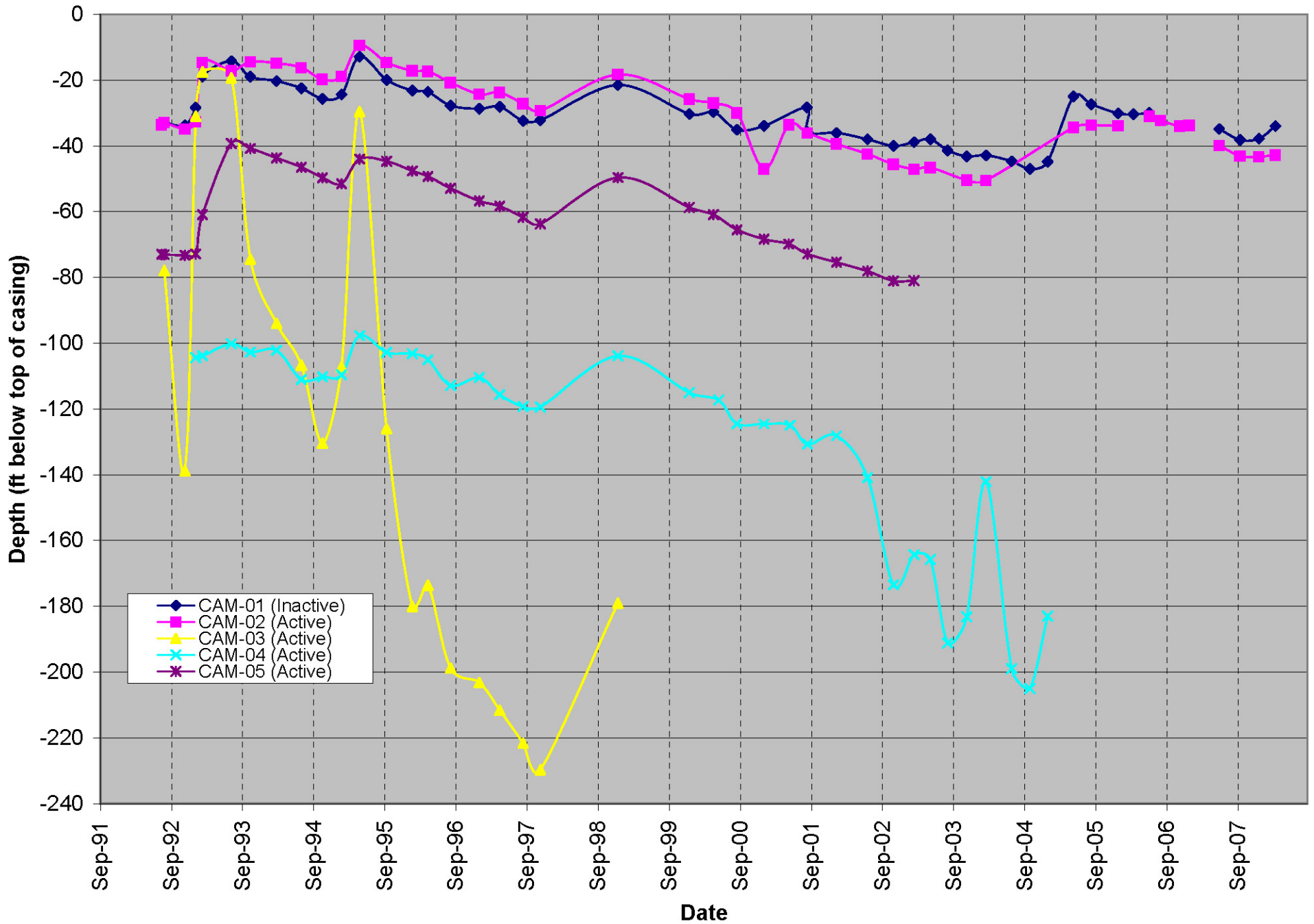


Figure 2-37: Campo-Lake Morena Community Planning Group
Other Areas of Campo Well Hydrographs

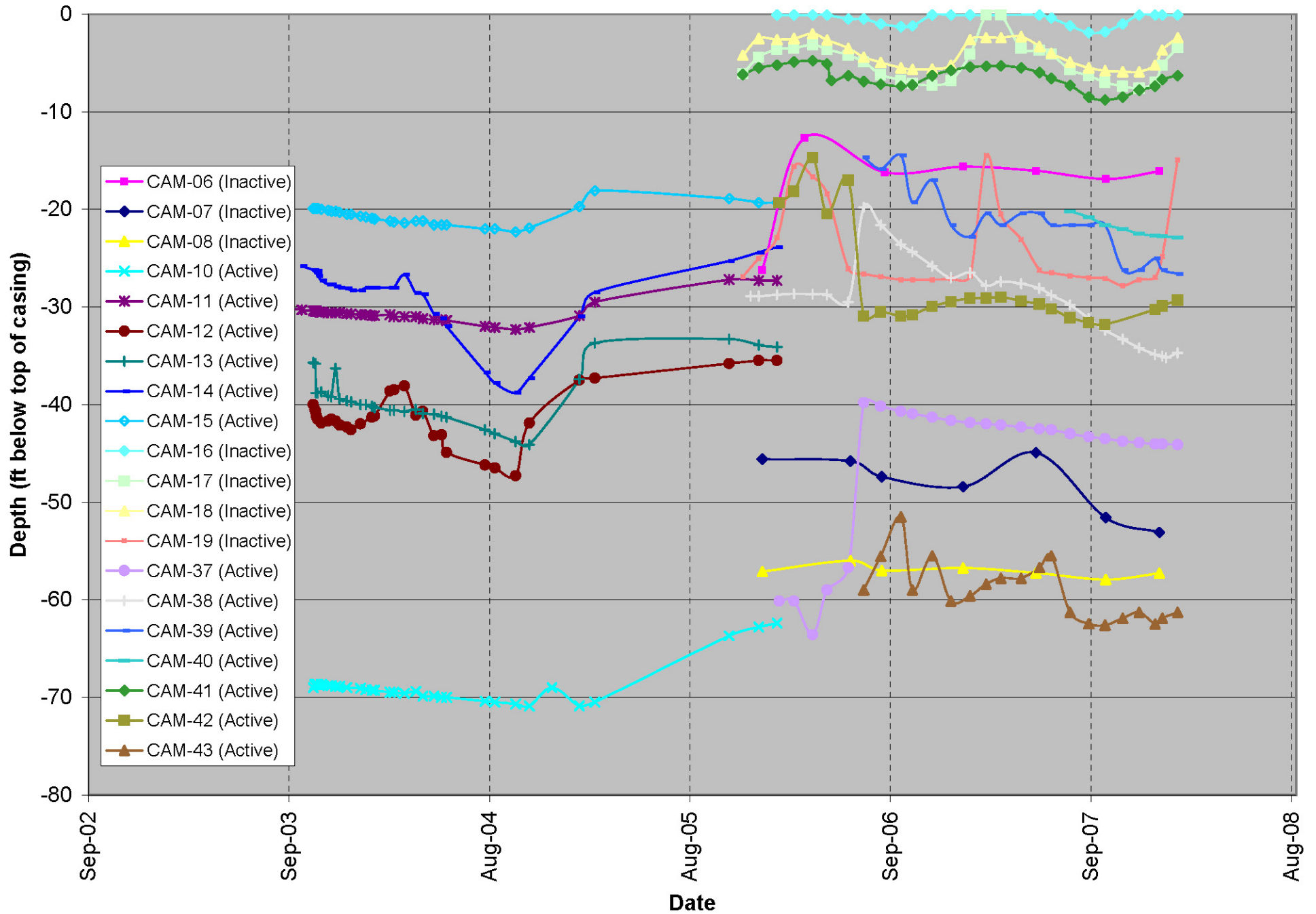
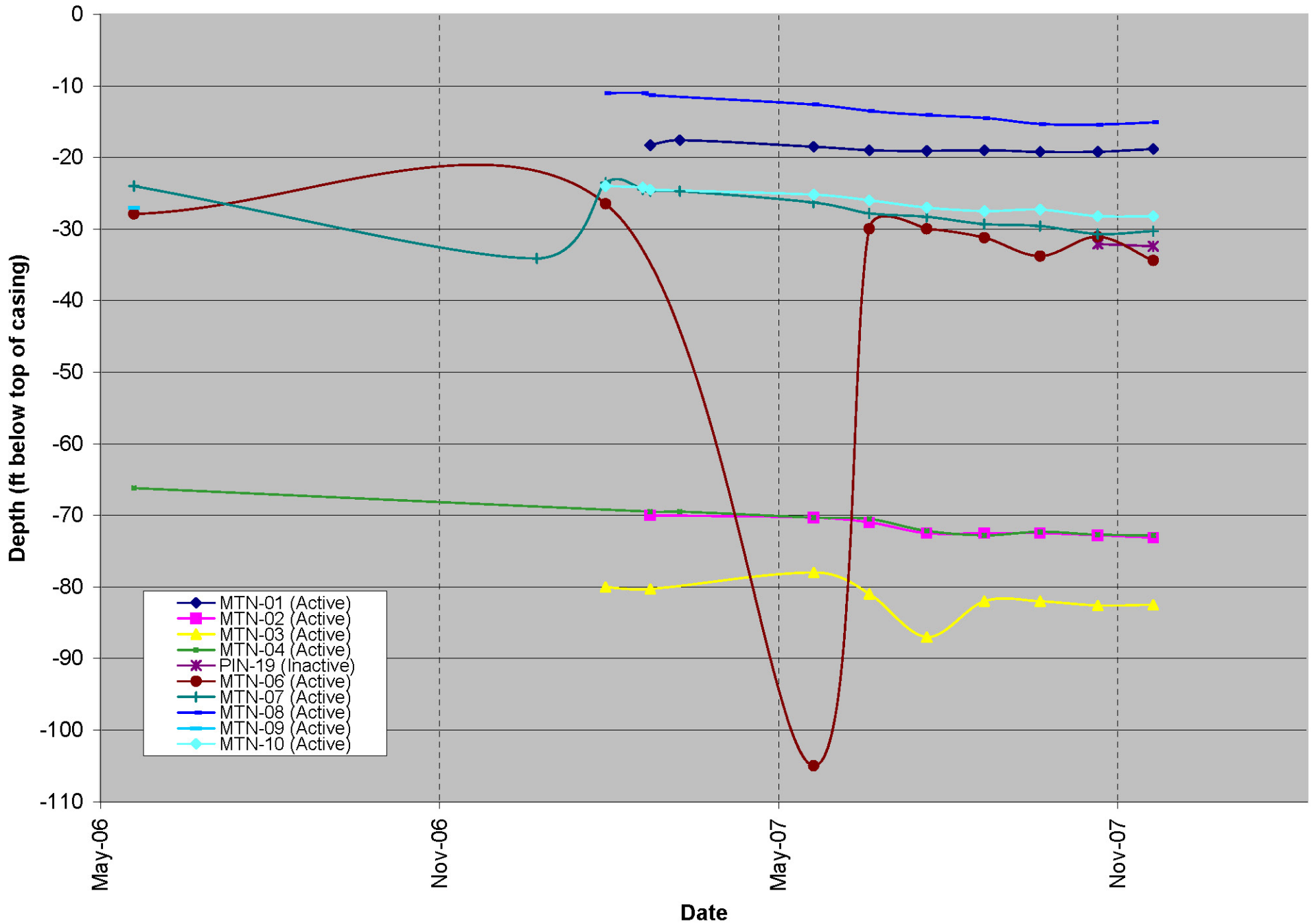


Figure 2-59: Mountain Empire Community Planning Area
La Posta Indian Reservation Well Hydrographs



APPENDIX C
Soil Moisture Balance Analysis

1/1/1982 1489.25 2978.5
 1/1/2014 1489.25 2978.5

Annual Water Demand =

Time	Monthly Avg. Reference ET (inches)	Monthly Avg. Reference ET (feet)	Mean Precip (inches)	Mean Precip (feet)	Water Demand (AF)
1/1/1959	1.55	0.13	1.12	0.093	
2/1/1959	2.52	0.21	5.61	0.468	
3/1/1959	4.03	0.34	0	0.000	
4/1/1959	5.7	0.48	0.17	0.014	
5/1/1959	7.75	0.65	0.14	0.012	
6/1/1959	8.7	0.73	0	0.000	
7/1/1959	9.3	0.78	0.03	0.003	
8/1/1959	8.37	0.70	0.16	0.013	
9/1/1959	6.3	0.53	0.34	0.028	
10/1/1959	4.34	0.36	0.5	0.042	
11/1/1959	2.4	0.20	0.13	0.011	
12/1/1959	1.55	0.13	2.93	0.244	
1/1/1960	1.55	0.13	2.97	0.248	
2/1/1960	2.52	0.21	4.1	0.342	
3/1/1960	4.03	0.34	0.45	0.038	
4/1/1960	5.7	0.48	1.95	0.163	
5/1/1960	7.75	0.65	0.49	0.041	
6/1/1960	8.7	0.73	0	0.000	
7/1/1960	9.3	0.78	0.17	0.014	
8/1/1960	8.37	0.70	0.03	0.003	
9/1/1960	6.3	0.53	1.59	0.133	
10/1/1960	4.34	0.36	0.16	0.013	
11/1/1960	2.4	0.20	1.67	0.139	
12/1/1960	1.55	0.13	0.07	0.006	
1/1/1961	1.55	0.13	1.09	0.091	
2/1/1961	2.52	0.21	0.16	0.013	
3/1/1961	4.03	0.34	2.28	0.190	

Soil	KcC	LaE2	LcE2	MvC	MvD	ToE2	ToG
Soil Group	B	A	A	A	A	D	D
Curve Number	72	55	55	55	55	86	86
S	3.89	8.18	8.18	8.18	8.18	1.63	1.63
SMC (in)	4.25	2.50	1.50	4.50	4.50	1.50	1.50
Area (A)							
	273.80	4.00	1004.20	50.40	129.40	7.80	232.50

Jan-1959	Precip (in) =	1.12E+00	1.12E+00	1.12E+00	1.12E+00	1.12E+00	1.12E+00	1.12E+00	
	PET (in) =	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	1.38E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-02
	P - (PET + RO) =	-4.44E-01	-4.30E-01	-4.30E-01	-4.30E-01	-4.30E-01	-4.30E-01	-4.30E-01	-3.02E+00
	SM =	4.25E+00	2.50E+00	1.50E+00	4.50E+00	4.50E+00	1.50E+00	1.50E+00	2.03E+01
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Feb-1959	Precip (in) =	5.61E+00	5.61E+00	5.61E+00	5.61E+00	5.61E+00	5.61E+00	5.61E+00	
	PET (in) =	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	1.34E+00	6.49E-01	6.49E-01	6.49E-01	6.49E-01	2.02E+00	2.02E+00	7.98E+00
	P - (PET + RO) =	1.75E+00	2.44E+00	2.44E+00	2.44E+00	2.44E+00	1.07E+00	1.07E+00	1.37E+01
	SM =	4.25E+00	2.50E+00	1.50E+00	4.50E+00	4.50E+00	1.50E+00	1.50E+00	2.03E+01
	Recharge =	4.00E+01	8.14E-01	2.04E+02	1.03E+01	2.63E+01	6.96E-01	2.07E+01	3.03E+02
Mar-1959	Precip (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
	PET (in) =	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-4.03E+00	-4.03E+00	-4.03E+00	-4.03E+00	-4.03E+00	-4.03E+00	-4.03E+00	-2.82E+01
	SM =	4.25E+00	2.50E+00	1.50E+00	4.50E+00	4.50E+00	1.50E+00	1.50E+00	2.03E+01
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Apr-1959	Precip (in) =	1.70E-01	1.70E-01	1.70E-01	1.70E-01	1.70E-01	1.70E-01	1.70E-01	
	PET (in) =	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-5.53E+00	-5.53E+00	-5.53E+00	-5.53E+00	-5.53E+00	-5.53E+00	-5.53E+00	-3.87E+01
	SM =	1.16E+00	2.74E-01	3.76E-02	1.32E+00	1.32E+00	3.76E-02	3.76E-02	4.18E+00

4/1/1970	5.7	0.48	1.18	0.098
5/1/1970	7.75	0.65	0	0.000
6/1/1970	8.7	0.73	0.03	0.003
7/1/1970	9.3	0.78	0.03	0.003
8/1/1970	8.37	0.70	2.66	0.222
9/1/1970	6.3	0.53	0.08	0.007
10/1/1970	4.34	0.36	0.12	0.010
11/1/1970	2.4	0.20	1.28	0.107
12/1/1970	1.55	0.13	2.66	0.222
1/1/1971	1.55	0.13	1.12	0.093
2/1/1971	2.52	0.21	1.22	0.102
3/1/1971	4.03	0.34	0.4	0.033
4/1/1971	5.7	0.48	1.46	0.122
5/1/1971	7.75	0.65	0.67	0.056
6/1/1971	8.7	0.73	0	0.000
7/1/1971	9.3	0.78	0.07	0.006
8/1/1971	8.37	0.70	1	0.083
9/1/1971	6.3	0.53	0.25	0.021
10/1/1971	4.34	0.36	1.18	0.098
11/1/1971	2.4	0.20	0.05	0.004
12/1/1971	1.55	0.13	3.6	0.300
1/1/1972	1.55	0.13	0	0.000
2/1/1972	2.52	0.21	0.18	0.015
3/1/1972	4.03	0.34	0	0.000
4/1/1972	5.7	0.48	0.24	0.020
5/1/1972	7.75	0.65	0.14	0.012
6/1/1972	8.7	0.73	0.31	0.026
7/1/1972	9.3	0.78	0	0.000
8/1/1972	8.37	0.70	0.04	0.003
9/1/1972	6.3	0.53	0.14	0.012
10/1/1972	4.34	0.36	1.87	0.156
11/1/1972	2.4	0.20	2.6	0.217
12/1/1972	1.55	0.13	2.55	0.213
1/1/1973	1.55	0.13	1.7	0.142
2/1/1973	2.52	0.21	3.13	0.261
3/1/1973	4.03	0.34	5.24	0.437

Sep-1960	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-8.34E+00	-8.34E+00	-8.34E+00	-8.34E+00	-8.34E+00	-8.34E+00	-8.34E+00	-8.34E+00	-5.84E+01
	SM =	1.88E-04	8.67E-07	2.57E-11	4.55E-04	4.55E-04	1.74E-12	1.74E-12	1.10E-03	
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Precip (in) =	1.59E+00	1.59E+00	1.59E+00	1.59E+00	1.59E+00	1.59E+00	1.59E+00	1.59E+00	
	PET (in) =	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00		
	RO (in) =	7.02E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.02E-02
	P - (PET + RO) =	-4.78E+00	-4.71E+00	-4.71E+00	-4.71E+00	-4.71E+00	-4.71E+00	-4.71E+00	-4.71E+00	-3.30E+01
	SM =	6.10E-05	1.32E-07	1.11E-12	1.60E-04	1.60E-04	7.53E-14	7.53E-14	3.81E-04	
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Oct-1960	Precip (in) =	1.60E-01	1.60E-01	1.60E-01	1.60E-01	1.60E-01	1.60E-01	1.60E-01	1.60E-01	
	PET (in) =	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00		
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-4.18E+00	-4.18E+00	-4.18E+00	-4.18E+00	-4.18E+00	-4.18E+00	-4.18E+00	-4.18E+00	-2.93E+01
	SM =	2.28E-05	2.48E-08	6.85E-14	6.31E-05	6.31E-05	4.64E-15	4.64E-15	1.49E-04	
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nov-1960	Precip (in) =	1.67E+00	1.67E+00	1.67E+00	1.67E+00	1.67E+00	1.67E+00	1.67E+00	1.67E+00	
	PET (in) =	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00		
	RO (in) =	8.33E-02	6.89E-05	6.89E-05	6.89E-05	6.89E-05	3.04E-01	3.04E-01	6.92E-01	
	P - (PET + RO) =	-8.13E-01	-7.30E-01	-7.30E-01	-7.30E-01	-7.30E-01	-1.03E+00	-1.03E+00	-5.80E+00	
	SM =	1.88E-05	1.85E-08	4.21E-14	5.37E-05	5.37E-05	2.33E-15	2.33E-15	1.26E-04	
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Dec-1960	Precip (in) =	7.00E-02	7.00E-02	7.00E-02	7.00E-02	7.00E-02	7.00E-02	7.00E-02	7.00E-02	
	PET (in) =	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00		
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-1.48E+00	-1.48E+00	-1.48E+00	-1.48E+00	-1.48E+00	-1.48E+00	-1.48E+00	-1.48E+00	-1.04E+01
	SM =	1.33E-05	1.02E-08	1.57E-14	3.86E-05	3.86E-05	8.68E-16	8.68E-16	9.06E-05	
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Jan-1961	Precip (in) =	1.09E+00	1.09E+00	1.09E+00	1.09E+00	1.09E+00	1.09E+00	1.09E+00	1.09E+00	
	PET (in) =	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00		

4/1/1979	5.7	0.48	0.03	0.003
5/1/1979	7.75	0.65	0.19	0.016
6/1/1979	8.7	0.73	0	0.000
7/1/1979	9.3	0.78	0	0.000
8/1/1979	8.37	0.70	0.16	0.013
9/1/1979	6.3	0.53	0.04	0.003
10/1/1979	4.34	0.36	0.82	0.068
11/1/1979	2.4	0.20	0.26	0.022
12/1/1979	1.55	0.13	0.69	0.058
1/1/1980	1.55	0.13	11.82	0.985
2/1/1980	2.52	0.21	8.82	0.735
3/1/1980	4.03	0.34	3.72	0.310
4/1/1980	5.7	0.48	1.87	0.156
5/1/1980	7.75	0.65	0.8	0.067
6/1/1980	8.7	0.73	0	0.000
7/1/1980	9.3	0.78	0.55	0.046
8/1/1980	8.37	0.70	0	0.000
9/1/1980	6.3	0.53	0	0.000
10/1/1980	4.34	0.36	0.28	0.023
11/1/1980	2.4	0.20	0	0.000
12/1/1980	1.55	0.13	0.54	0.045
1/1/1981	1.55	0.13	0.91	0.076
2/1/1981	2.52	0.21	2.64	0.220
3/1/1981	4.03	0.34	4.22	0.352
4/1/1981	5.7	0.48	0.8	0.067
5/1/1981	7.75	0.65	0.1	0.008
6/1/1981	8.7	0.73	0	0.000
7/1/1981	9.3	0.78	0.05	0.004
8/1/1981	8.37	0.70	0.03	0.003
9/1/1981	6.3	0.53	0.31	0.026
10/1/1981	4.34	0.36	0.19	0.016
11/1/1981	2.4	0.20	1.35	0.113
12/1/1981	1.55	0.13	0.03	0.003
1/1/1982	1.55	0.13	5.14	0.428
2/1/1982	2.52	0.21	2.15	0.179
3/1/1982	4.03	0.34	4.3	0.358

Dec-1961	SM =	2.60E-11	2.18E-18	1.19E-30	1.64E-10	1.64E-10	4.70E-32	4.70E-32	3.53E-10
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	Precip (in) =	2.08E+00	2.08E+00	2.08E+00	2.08E+00	2.08E+00	2.08E+00	2.08E+00	
	PET (in) =	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	1.63E-01	1.14E-02	1.14E-02	1.14E-02	1.14E-02	4.55E-01	4.55E-01	1.12E+00
	P - (PET + RO) =	3.67E-01	5.19E-01	5.19E-01	5.19E-01	5.19E-01	7.50E-02	7.50E-02	2.59E+00
	SM =	3.67E-01	5.19E-01	5.19E-01	5.19E-01	5.19E-01	7.50E-02	7.50E-02	2.59E+00
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Jan-1962	Precip (in) =	3.61E+00	3.61E+00	3.61E+00	3.61E+00	3.61E+00	3.61E+00	3.61E+00	
	PET (in) =	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	5.97E-01	1.92E-01	1.92E-01	1.92E-01	1.92E-01	1.10E+00	1.10E+00	3.56E+00
	P - (PET + RO) =	1.46E+00	1.87E+00	1.87E+00	1.87E+00	1.87E+00	9.62E-01	9.62E-01	1.09E+01
	SM =	1.83E+00	2.39E+00	1.50E+00	2.39E+00	2.39E+00	1.04E+00	1.04E+00	1.26E+01
	Recharge =	0.00E+00	0.00E+00	7.42E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.42E+01
Feb-1962	Precip (in) =	4.53E+00	4.53E+00	4.53E+00	4.53E+00	4.53E+00	4.53E+00	4.53E+00	
	PET (in) =	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	9.21E-01	3.78E-01	3.78E-01	3.78E-01	3.78E-01	1.52E+00	1.52E+00	5.46E+00
	P - (PET + RO) =	1.09E+00	1.63E+00	1.63E+00	1.63E+00	1.63E+00	4.95E-01	4.95E-01	8.61E+00
	SM =	2.92E+00	2.50E+00	1.50E+00	4.02E+00	4.02E+00	1.50E+00	1.50E+00	1.80E+01
	Recharge =	0.00E+00	5.06E-01	1.37E+02	0.00E+00	0.00E+00	2.05E-02	6.11E-01	1.38E+02
Mar-1962	Precip (in) =	2.12E+00	2.12E+00	2.12E+00	2.12E+00	2.12E+00	2.12E+00	2.12E+00	
	PET (in) =	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	1.72E-01	1.35E-02	1.35E-02	1.35E-02	1.35E-02	4.70E-01	4.70E-01	1.17E+00
	P - (PET + RO) =	-2.08E+00	-1.92E+00	-1.92E+00	-1.92E+00	-1.92E+00	-2.38E+00	-2.38E+00	-1.45E+01
	SM =	1.79E+00	2.50E+00	1.50E+00	2.62E+00	2.62E+00	1.50E+00	1.50E+00	1.40E+01
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Apr-1962	Precip (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
	PET (in) =	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-5.70E+00	-5.70E+00	-5.70E+00	-5.70E+00	-5.70E+00	-5.70E+00	-5.70E+00	-3.99E+01
	SM =	4.68E-01	2.56E-01	3.36E-02	7.39E-01	7.39E-01	3.36E-02	3.36E-02	2.30E+00

	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	8.48E-01	3.34E-01	3.34E-01	3.34E-01	3.34E-01	1.42E+00	1.42E+00	5.03E+00
	P - (PET + RO) =	1.93E+00	2.45E+00	2.45E+00	2.45E+00	2.45E+00	1.36E+00	1.36E+00	1.44E+01
	SM =	2.22E+00	2.50E+00	1.50E+00	2.87E+00	2.87E+00	1.37E+00	1.37E+00	1.47E+01
	Recharge =	0.00E+00	1.23E-01	1.15E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.15E+02
Feb-1997	Precip (in) =	1.53E+00	1.53E+00	1.53E+00	1.53E+00	1.53E+00	1.53E+00	1.53E+00	
	PET (in) =	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	6.10E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.10E-02
	P - (PET + RO) =	-1.05E+00	-9.90E-01	-9.90E-01	-9.90E-01	-9.90E-01	-9.90E-01	-9.90E-01	-6.99E+00
	SM =	1.73E+00	2.50E+00	1.50E+00	2.30E+00	2.30E+00	7.08E-01	7.08E-01	1.18E+01
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mar-1997	Precip (in) =	2.00E-02	2.00E-02	2.00E-02	2.00E-02	2.00E-02	2.00E-02	2.00E-02	
	PET (in) =	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-4.01E+00	-4.01E+00	-4.01E+00	-4.01E+00	-4.01E+00	-4.01E+00	-4.01E+00	-2.81E+01
	SM =	6.75E-01	5.03E-01	1.04E-01	9.45E-01	9.45E-01	4.89E-02	4.89E-02	3.27E+00
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Apr-1997	Precip (in) =	2.20E-01	2.20E-01	2.20E-01	2.20E-01	2.20E-01	2.20E-01	2.20E-01	
	PET (in) =	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-5.48E+00	-5.48E+00	-5.48E+00	-5.48E+00	-5.48E+00	-5.48E+00	-5.48E+00	-3.84E+01
	SM =	1.86E-01	5.62E-02	2.68E-03	2.80E-01	2.80E-01	1.27E-03	1.27E-03	8.06E-01
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
May-1997	Precip (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
	PET (in) =	7.75E+00	7.75E+00	7.75E+00	7.75E+00	7.75E+00	7.75E+00	7.75E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-7.75E+00	-7.75E+00	-7.75E+00	-7.75E+00	-7.75E+00	-7.75E+00	-7.75E+00	-5.43E+01
	SM =	3.00E-02	2.53E-03	1.53E-05	4.99E-02	4.99E-02	7.22E-06	7.22E-06	1.32E-01
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Jun-1997	Precip (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
	PET (in) =	8.70E+00	8.70E+00	8.70E+00	8.70E+00	8.70E+00	8.70E+00	8.70E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-8.70E+00	-8.70E+00	-8.70E+00	-8.70E+00	-8.70E+00	-8.70E+00	-8.70E+00	-6.09E+01
	SM =	3.87E-03	7.79E-05	4.63E-08	7.22E-03	7.22E-03	2.19E-08	2.19E-08	1.84E-02
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Jul-1997	Precip (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
	PET (in) =	9.30E+00	9.30E+00	9.30E+00	9.30E+00	9.30E+00	9.30E+00	9.30E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	

	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-9.30E+00	-9.30E+00	-9.30E+00	-9.30E+00	-9.30E+00	-9.30E+00	-9.30E+00	-9.30E+00	-6.51E+01
	SM =	4.34E-04	1.89E-06	9.40E-11	9.15E-04	9.15E-04	4.44E-11	4.44E-11	2.27E-03	
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Aug-1997	Precip (in) =	7.00E-02	7.00E-02	7.00E-02	7.00E-02	7.00E-02	7.00E-02	7.00E-02	7.00E-02	
	PET (in) =	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-8.30E+00	-8.30E+00	-8.30E+00	-8.30E+00	-8.30E+00	-8.30E+00	-8.30E+00	-8.30E+00	-5.81E+01
	SM =	6.16E-05	6.83E-08	3.72E-13	1.45E-04	1.45E-04	1.75E-13	1.75E-13	3.51E-04	
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sep-1997	Precip (in) =	1.93E+00	1.93E+00	1.93E+00	1.93E+00	1.93E+00	1.93E+00	1.93E+00	1.93E+00	
	PET (in) =	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00		
	RO (in) =	1.32E-01	5.09E-03	5.09E-03	5.09E-03	5.09E-03	3.98E-01	3.98E-01	9.48E-01	
	P - (PET + RO) =	-4.50E+00	-4.38E+00	-4.38E+00	-4.38E+00	-4.38E+00	-4.77E+00	-4.77E+00	-3.15E+01	
	SM =	2.14E-05	1.19E-08	2.01E-14	5.47E-05	5.47E-05	7.30E-15	7.30E-15	1.31E-04	
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Oct-1997	Precip (in) =	1.60E-01	1.60E-01	1.60E-01	1.60E-01	1.60E-01	1.60E-01	1.60E-01	1.60E-01	
	PET (in) =	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00		
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-4.18E+00	-4.18E+00	-4.18E+00	-4.18E+00	-4.18E+00	-4.18E+00	-4.18E+00	-4.18E+00	-2.93E+01
	SM =	7.99E-06	2.23E-09	1.24E-15	2.16E-05	2.16E-05	4.50E-16	4.50E-16	5.12E-05	
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nov-1997	Precip (in) =	1.75E+00	1.75E+00	1.75E+00	1.75E+00	1.75E+00	1.75E+00	1.75E+00	1.75E+00	
	PET (in) =	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00		
	RO (in) =	9.72E-02	7.78E-04	7.78E-04	7.78E-04	7.78E-04	3.32E-01	3.32E-01	7.65E-01	
	P - (PET + RO) =	-7.47E-01	-6.51E-01	-6.51E-01	-6.51E-01	-6.51E-01	-9.82E-01	-9.82E-01	-5.32E+00	
	SM =	6.70E-06	1.72E-09	8.03E-16	1.87E-05	1.87E-05	2.34E-16	2.34E-16	4.41E-05	
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Dec-1997	Precip (in) =	4.21E+00	4.21E+00	4.21E+00	4.21E+00	4.21E+00	4.21E+00	4.21E+00	4.21E+00	
	PET (in) =	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00		
	RO (in) =	8.05E-01	3.08E-01	3.08E-01	3.08E-01	3.08E-01	1.37E+00	1.37E+00	4.77E+00	
	P - (PET + RO) =	1.86E+00	2.35E+00	2.35E+00	2.35E+00	2.35E+00	1.29E+00	1.29E+00	1.38E+01	
	SM =	1.86E+00	2.35E+00	1.50E+00	2.35E+00	2.35E+00	1.29E+00	1.29E+00	1.30E+01	
	Recharge =	0.00E+00	0.00E+00	7.13E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.13E+01	
Jan-1998	Precip (in) =	1.60E+00	1.60E+00	1.60E+00	1.60E+00	1.60E+00	1.60E+00	1.60E+00	1.60E+00	
	PET (in) =	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00		
	RO (in) =	7.18E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-02	

	P - (PET + RO) =	-2.18E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02	5.00E-02	2.78E-01
	SM =	1.85E+00	2.40E+00	1.50E+00	2.40E+00	2.40E+00	1.34E+00	1.34E+00	1.32E+01	
	Recharge =	0.00E+00	0.00E+00	4.18E+00	9.33E-16	2.39E-15	0.00E+00	0.00E+00	4.18E+00	
Feb-1998	Precip (in) =	1.04E+01	1.04E+01	1.04E+01	1.04E+01	1.04E+01	1.04E+01	1.04E+01		
	PET (in) =	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00		
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00		
	RO (in) =	3.41E+00	2.25E+00	2.25E+00	2.25E+00	2.25E+00	2.25E+00	4.32E+00	4.32E+00	2.11E+01
	P - (PET + RO) =	4.44E+00	5.60E+00	5.60E+00	5.60E+00	5.60E+00	3.53E+00	3.53E+00	3.39E+01	
	SM =	4.25E+00	2.50E+00	1.50E+00	4.50E+00	4.50E+00	1.50E+00	1.50E+00	2.03E+01	
	Recharge =	4.64E+01	1.83E+00	4.68E+02	1.47E+01	3.77E+01	2.19E+00	6.53E+01	6.36E+02	
Mar-1998	Precip (in) =	4.40E+00	4.40E+00	4.40E+00	4.40E+00	4.40E+00	4.40E+00	4.40E+00		
	PET (in) =	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00		
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00		
	RO (in) =	8.73E-01	3.49E-01	3.49E-01	3.49E-01	3.49E-01	1.46E+00	1.46E+00	5.18E+00	
	P - (PET + RO) =	-5.03E-01	2.11E-02	2.11E-02	2.11E-02	2.11E-02	-1.09E+00	-1.09E+00	-2.59E+00	
	SM =	4.25E+00	2.50E+00	1.50E+00	4.50E+00	4.50E+00	1.50E+00	1.50E+00	2.03E+01	
	Recharge =	0.00E+00	7.03E-03	1.77E+00	8.86E-02	2.28E-01	0.00E+00	0.00E+00	2.09E+00	
Apr-1998	Precip (in) =	2.35E+00	2.35E+00	2.35E+00	2.35E+00	2.35E+00	2.35E+00	2.35E+00		
	PET (in) =	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00		
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00		
	RO (in) =	2.26E-01	2.86E-02	2.86E-02	2.86E-02	2.86E-02	5.61E-01	5.61E-01	1.46E+00	
	P - (PET + RO) =	-3.58E+00	-3.38E+00	-3.38E+00	-3.38E+00	-3.38E+00	-3.91E+00	-3.91E+00	-2.49E+01	
	SM =	1.83E+00	2.50E+00	1.50E+00	4.50E+00	4.50E+00	1.11E-01	1.11E-01	1.51E+01	
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
May-1998	Precip (in) =	1.17E+00	1.17E+00	1.17E+00	1.17E+00	1.17E+00	1.17E+00	1.17E+00		
	PET (in) =	7.75E+00	7.75E+00	7.75E+00	7.75E+00	7.75E+00	7.75E+00	7.75E+00		
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00		
	RO (in) =	1.80E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-02	
	P - (PET + RO) =	-6.60E+00	-6.58E+00	-6.58E+00	-6.58E+00	-6.58E+00	-6.58E+00	-6.58E+00	-4.61E+01	
	SM =	3.88E-01	1.80E-01	1.87E-02	1.04E+00	1.04E+00	1.38E-03	1.38E-03	2.67E+00	
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Jun-1998	Precip (in) =	2.00E-02	2.00E-02	2.00E-02	2.00E-02	2.00E-02	2.00E-02	2.00E-02		
	PET (in) =	8.70E+00	8.70E+00	8.70E+00	8.70E+00	8.70E+00	8.70E+00	8.70E+00		
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00		
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-8.68E+00	-8.68E+00	-8.68E+00	-8.68E+00	-8.68E+00	-8.68E+00	-8.68E+00	-6.08E+01	
	SM =	5.03E-02	5.58E-03	5.73E-05	1.52E-01	1.52E-01	4.22E-06	4.22E-06	3.59E-01	
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Jul-1998	Precip (in) =	1.00E-01	1.00E-01	1.00E-01	1.00E-01	1.00E-01	1.00E-01	1.00E-01		
	PET (in) =	9.30E+00	9.30E+00	9.30E+00	9.30E+00	9.30E+00	9.30E+00	9.30E+00		
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00		
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-9.20E+00	-9.20E+00	-9.20E+00	-9.20E+00	-9.20E+00	-9.20E+00	-9.20E+00	-6.44E+01	

	SM =	5.78E-03	1.41E-04	1.24E-07	1.96E-02	1.96E-02	9.16E-09	9.16E-09	4.51E-02
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Aug-1998	Precip (in) =	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	
	PET (in) =	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-8.17E+00	-8.17E+00	-8.17E+00	-8.17E+00	-8.17E+00	-8.17E+00	-8.17E+00	-5.72E+01
	SM =	8.45E-04	5.36E-06	5.35E-10	3.19E-03	3.19E-03	3.95E-11	3.95E-11	7.23E-03
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sep-1998	Precip (in) =	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	
	PET (in) =	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-6.10E+00	-6.10E+00	-6.10E+00	-6.10E+00	-6.10E+00	-6.10E+00	-6.10E+00	-4.27E+01
	SM =	2.01E-04	4.68E-07	9.18E-12	8.23E-04	8.23E-04	6.76E-13	6.76E-13	1.85E-03
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Oct-1998	Precip (in) =	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	
	PET (in) =	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-4.31E+00	-4.31E+00	-4.31E+00	-4.31E+00	-4.31E+00	-4.31E+00	-4.31E+00	-3.02E+01
	SM =	7.29E-05	8.34E-08	5.18E-13	3.16E-04	3.16E-04	3.82E-14	3.82E-14	7.05E-04
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nov-1998	Precip (in) =	1.17E+00	1.17E+00	1.17E+00	1.17E+00	1.17E+00	1.17E+00	1.17E+00	
	PET (in) =	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	1.80E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.80E-02
	P - (PET + RO) =	-1.25E+00	-1.23E+00	-1.23E+00	-1.23E+00	-1.23E+00	-1.23E+00	-1.23E+00	-8.63E+00
	SM =	5.44E-05	5.10E-08	2.28E-13	2.40E-04	2.40E-04	1.68E-14	1.68E-14	5.35E-04
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Dec-1998	Precip (in) =	1.42E+00	1.42E+00	1.42E+00	1.42E+00	1.42E+00	1.42E+00	1.42E+00	
	PET (in) =	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	4.55E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.55E-02
	P - (PET + RO) =	-1.76E-01	-1.30E-01	-1.30E-01	-1.30E-01	-1.30E-01	-1.30E-01	-1.30E-01	-9.56E-01
	SM =	5.22E-05	4.84E-08	2.09E-13	2.33E-04	2.33E-04	1.54E-14	1.54E-14	5.19E-04
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Jan-1999	Precip (in) =	1.66E+00	1.66E+00	1.66E+00	1.66E+00	1.66E+00	1.66E+00	1.66E+00	
	PET (in) =	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	8.16E-02	3.40E-05	3.40E-05	3.40E-05	3.40E-05	3.01E-01	3.01E-01	6.83E-01
	P - (PET + RO) =	2.84E-02	1.10E-01	1.10E-01	1.10E-01	1.10E-01	-1.91E-01	-1.91E-01	8.72E-02
	SM =	2.85E-02	1.10E-01	1.10E-01	1.10E-01	1.10E-01	1.36E-14	1.36E-14	4.69E-01

	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-8.24E+00	-8.24E+00	-8.24E+00	-8.24E+00	-8.24E+00	-8.24E+00	-8.24E+00	-5.77E+01
	SM =	4.89E-05	8.22E-08	1.26E-12	1.33E-04	1.33E-04	2.89E-13	2.89E-13	3.16E-04
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sep-2000	Precip (in) =	3.00E-01	3.00E-01	3.00E-01	3.00E-01	3.00E-01	3.00E-01	3.00E-01	3.00E-01
	PET (in) =	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-6.00E+00	-6.00E+00	-6.00E+00	-6.00E+00	-6.00E+00	-6.00E+00	-6.00E+00	-4.20E+01
	SM =	1.19E-05	7.46E-09	2.30E-14	3.52E-05	3.52E-05	5.29E-15	5.29E-15	8.23E-05
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Oct-2000	Precip (in) =	6.50E-01	6.50E-01	6.50E-01	6.50E-01	6.50E-01	6.50E-01	6.50E-01	6.50E-01
	PET (in) =	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-3.69E+00	-3.69E+00	-3.69E+00	-3.69E+00	-3.69E+00	-3.69E+00	-3.69E+00	-2.58E+01
	SM =	5.01E-06	1.70E-09	1.97E-15	1.55E-05	1.55E-05	4.52E-16	4.52E-16	3.60E-05
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nov-2000	Precip (in) =	3.90E-01	3.90E-01	3.90E-01	3.90E-01	3.90E-01	3.90E-01	3.90E-01	3.90E-01
	PET (in) =	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-2.01E+00	-2.01E+00	-2.01E+00	-2.01E+00	-2.01E+00	-2.01E+00	-2.01E+00	-1.41E+01
	SM =	3.12E-06	7.63E-10	5.15E-16	9.91E-06	9.91E-06	1.18E-16	1.18E-16	2.29E-05
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Dec-2000	Precip (in) =	4.00E-02	4.00E-02	4.00E-02	4.00E-02	4.00E-02	4.00E-02	4.00E-02	4.00E-02
	PET (in) =	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-1.51E+00	-1.51E+00	-1.51E+00	-1.51E+00	-1.51E+00	-1.51E+00	-1.51E+00	-1.06E+01
	SM =	2.19E-06	4.17E-10	1.88E-16	7.08E-06	7.08E-06	4.33E-17	4.33E-17	1.64E-05
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Jan-2001	Precip (in) =	2.92E+00	2.92E+00	2.92E+00	2.92E+00	2.92E+00	2.92E+00	2.92E+00	2.92E+00
	PET (in) =	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	3.80E-01	8.70E-02	8.70E-02	8.70E-02	8.70E-02	7.97E-01	7.97E-01	2.32E+00
	P - (PET + RO) =	9.90E-01	1.28E+00	1.28E+00	1.28E+00	1.28E+00	5.73E-01	5.73E-01	7.27E+00
	SM =	9.90E-01	1.28E+00	1.28E+00	1.28E+00	1.28E+00	5.73E-01	5.73E-01	7.27E+00
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Feb-2001	Precip (in) =	4.12E+00	4.12E+00	4.12E+00	4.12E+00	4.12E+00	4.12E+00	4.12E+00	4.12E+00
	PET (in) =	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	

	SM =	3.11E-06	1.04E-09	3.50E-16	9.64E-06	9.64E-06	3.47E-17	3.47E-17	2.24E-05
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mar-2002	Precip (in) =	1.12E+00	1.12E+00	1.12E+00	1.12E+00	1.12E+00	1.12E+00	1.12E+00	
	PET (in) =	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	1.38E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-02
	P - (PET + RO) =	-2.92E+00	-2.91E+00	-2.91E+00	-2.91E+00	-2.91E+00	-2.91E+00	-2.91E+00	-2.04E+01
	SM =	1.56E-06	3.26E-10	5.03E-17	5.05E-06	5.05E-06	4.99E-18	4.99E-18	1.17E-05
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Apr-2002	Precip (in) =	3.90E-01	3.90E-01	3.90E-01	3.90E-01	3.90E-01	3.90E-01	3.90E-01	
	PET (in) =	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-5.31E+00	-5.31E+00	-5.31E+00	-5.31E+00	-5.31E+00	-5.31E+00	-5.31E+00	-3.72E+01
	SM =	4.48E-07	3.90E-11	1.46E-18	1.55E-06	1.55E-06	1.45E-19	1.45E-19	3.55E-06
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
May-2002	Precip (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
	PET (in) =	7.75E+00	7.75E+00	7.75E+00	7.75E+00	7.75E+00	7.75E+00	7.75E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-7.75E+00	-7.75E+00	-7.75E+00	-7.75E+00	-7.75E+00	-7.75E+00	-7.75E+00	-5.43E+01
	SM =	7.24E-08	1.76E-12	8.33E-21	2.77E-07	2.77E-07	8.26E-22	8.26E-22	6.27E-07
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Jun-2002	Precip (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
	PET (in) =	8.70E+00	8.70E+00	8.70E+00	8.70E+00	8.70E+00	8.70E+00	8.70E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-8.70E+00	-8.70E+00	-8.70E+00	-8.70E+00	-8.70E+00	-8.70E+00	-8.70E+00	-6.09E+01
	SM =	9.35E-09	5.41E-14	2.52E-23	4.01E-08	4.01E-08	2.50E-24	2.50E-24	8.96E-08
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Jul-2002	Precip (in) =	1.90E-01	1.90E-01	1.90E-01	1.90E-01	1.90E-01	1.90E-01	1.90E-01	
	PET (in) =	9.30E+00	9.30E+00	9.30E+00	9.30E+00	9.30E+00	9.30E+00	9.30E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-9.11E+00	-9.11E+00	-9.11E+00	-9.11E+00	-9.11E+00	-9.11E+00	-9.11E+00	-6.38E+01
	SM =	1.10E-09	1.41E-15	5.81E-26	5.30E-09	5.30E-09	5.76E-27	5.76E-27	1.17E-08
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Aug-2002	Precip (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
	PET (in) =	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-8.37E+00	-8.37E+00	-8.37E+00	-8.37E+00	-8.37E+00	-8.37E+00	-8.37E+00	-5.86E+01
	SM =	1.53E-10	4.97E-17	2.19E-28	8.25E-10	8.25E-10	2.17E-29	2.17E-29	1.80E-09

	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-3.37E+00	-3.37E+00	-3.37E+00	-3.37E+00	-3.37E+00	-3.37E+00	-3.37E+00	-2.36E+01
	SM =	4.70E-01	4.08E-01	1.50E+00	7.42E-01	7.42E-01	4.77E-02	4.77E-02	3.96E+00
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Apr-2004	Precip (in) =	1.33E+00	1.33E+00	1.33E+00	1.33E+00	1.33E+00	1.33E+00	1.33E+00	
	PET (in) =	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	3.43E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.43E-02
	P - (PET + RO) =	-4.40E+00	-4.37E+00	-4.37E+00	-4.37E+00	-4.37E+00	-4.37E+00	-4.37E+00	-3.06E+01
	SM =	1.67E-01	7.10E-02	8.14E-02	2.81E-01	2.81E-01	2.59E-03	2.59E-03	8.87E-01
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
May-2004	Precip (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
	PET (in) =	7.75E+00	7.75E+00	7.75E+00	7.75E+00	7.75E+00	7.75E+00	7.75E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-7.75E+00	-7.75E+00	-7.75E+00	-7.75E+00	-7.75E+00	-7.75E+00	-7.75E+00	-5.43E+01
	SM =	2.69E-02	3.20E-03	4.65E-04	5.02E-02	5.02E-02	1.48E-05	1.48E-05	1.31E-01
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Jun-2004	Precip (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
	PET (in) =	8.70E+00	8.70E+00	8.70E+00	8.70E+00	8.70E+00	8.70E+00	8.70E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-8.70E+00	-8.70E+00	-8.70E+00	-8.70E+00	-8.70E+00	-8.70E+00	-8.70E+00	-6.09E+01
	SM =	3.47E-03	9.86E-05	1.41E-06	7.27E-03	7.27E-03	4.48E-08	4.48E-08	1.81E-02
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Jul-2004	Precip (in) =	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	
	PET (in) =	9.30E+00	9.30E+00	9.30E+00	9.30E+00	9.30E+00	9.30E+00	9.30E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-9.16E+00	-9.16E+00	-9.16E+00	-9.16E+00	-9.16E+00	-9.16E+00	-9.16E+00	-6.41E+01
	SM =	4.03E-04	2.53E-06	3.13E-09	9.49E-04	9.49E-04	9.97E-11	9.97E-11	2.30E-03
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Aug-2004	Precip (in) =	1.00E-02	1.00E-02	1.00E-02	1.00E-02	1.00E-02	1.00E-02	1.00E-02	
	PET (in) =	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-8.36E+00	-8.36E+00	-8.36E+00	-8.36E+00	-8.36E+00	-8.36E+00	-8.36E+00	-5.85E+01
	SM =	5.63E-05	8.92E-08	1.19E-11	1.48E-04	1.48E-04	3.79E-13	3.79E-13	3.53E-04
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sep-2004	Precip (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
	PET (in) =	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	

	SM =	1.81E-04	1.02E-07	7.27E-13	3.53E-04	3.53E-04	4.90E-13	4.90E-13	8.88E-04
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Oct-2005	Precip (in) =	6.20E-01	6.20E-01	6.20E-01	6.20E-01	6.20E-01	6.20E-01	6.20E-01	
	PET (in) =	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-3.72E+00	-3.72E+00	-3.72E+00	-3.72E+00	-3.72E+00	-3.72E+00	-3.72E+00	-2.60E+01
	SM =	7.56E-05	2.31E-08	6.08E-14	1.55E-04	1.55E-04	4.11E-14	4.11E-14	3.85E-04
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nov-2005	Precip (in) =	1.10E-01	1.10E-01	1.10E-01	1.10E-01	1.10E-01	1.10E-01	1.10E-01	
	PET (in) =	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-2.29E+00	-2.29E+00	-2.29E+00	-2.29E+00	-2.29E+00	-2.29E+00	-2.29E+00	-1.60E+01
	SM =	4.41E-05	9.23E-09	1.32E-14	9.29E-05	9.29E-05	8.92E-15	8.92E-15	2.30E-04
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Dec-2005	Precip (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
	PET (in) =	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-1.55E+00	-1.55E+00	-1.55E+00	-1.55E+00	-1.55E+00	-1.55E+00	-1.55E+00	-1.09E+01
	SM =	3.06E-05	4.96E-09	4.70E-15	6.59E-05	6.59E-05	3.17E-15	3.17E-15	1.62E-04
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Jan-2006	Precip (in) =	9.90E-01	9.90E-01	9.90E-01	9.90E-01	9.90E-01	9.90E-01	9.90E-01	
	PET (in) =	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	5.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.49E-03
	P - (PET + RO) =	-5.65E-01	-5.60E-01	-5.60E-01	-5.60E-01	-5.60E-01	-5.60E-01	-5.60E-01	-3.93E+00
	SM =	2.68E-05	3.97E-09	3.24E-15	5.82E-05	5.82E-05	2.18E-15	2.18E-15	1.43E-04
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Feb-2006	Precip (in) =	1.30E+00	1.30E+00	1.30E+00	1.30E+00	1.30E+00	1.30E+00	1.30E+00	
	PET (in) =	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	3.09E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.09E-02
	P - (PET + RO) =	-1.25E+00	-1.22E+00	-1.22E+00	-1.22E+00	-1.22E+00	-1.22E+00	-1.22E+00	-8.57E+00
	SM =	2.00E-05	2.44E-09	1.44E-15	4.43E-05	4.43E-05	9.69E-16	9.69E-16	1.09E-04
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mar-2006	Precip (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
	PET (in) =	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-4.03E+00	-4.03E+00	-4.03E+00	-4.03E+00	-4.03E+00	-4.03E+00	-4.03E+00	-2.82E+01
	SM =	7.74E-06	4.86E-10	9.78E-17	1.81E-05	1.81E-05	6.60E-17	6.60E-17	4.40E-05

	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-4.17E+00	-4.17E+00	-4.17E+00	-4.17E+00	-4.17E+00	-4.17E+00	-4.17E+00	-2.92E+01
	SM =	4.93E-07	2.68E-10	1.90E-16	3.38E-06	3.38E-06	4.54E-47	4.54E-47	7.26E-06
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nov-2007	Precip (in) =	3.20E-01	3.20E-01	3.20E-01	3.20E-01	3.20E-01	3.20E-01	3.20E-01	3.20E-01
	PET (in) =	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-2.08E+00	-2.08E+00	-2.08E+00	-2.08E+00	-2.08E+00	-2.08E+00	-2.08E+00	-1.46E+01
	SM =	3.02E-07	1.17E-10	4.74E-17	2.13E-06	2.13E-06	1.13E-47	1.13E-47	4.56E-06
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Dec-2007	Precip (in) =	2.68E+00	2.68E+00	2.68E+00	2.68E+00	2.68E+00	2.68E+00	2.68E+00	2.68E+00
	PET (in) =	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	3.12E-01	5.90E-02	5.90E-02	5.90E-02	5.90E-02	6.96E-01	6.96E-01	1.94E+00
	P - (PET + RO) =	8.18E-01	1.07E+00	1.07E+00	1.07E+00	1.07E+00	4.34E-01	4.34E-01	5.97E+00
	SM =	8.18E-01	1.07E+00	1.07E+00	1.07E+00	1.07E+00	4.34E-01	4.34E-01	5.97E+00
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Jan-2008	Precip (in) =	7.29E+00	7.29E+00	7.29E+00	7.29E+00	7.29E+00	7.29E+00	7.29E+00	7.29E+00
	PET (in) =	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	2.04E+00	1.16E+00	1.16E+00	1.16E+00	1.16E+00	2.82E+00	2.82E+00	1.23E+01
	P - (PET + RO) =	3.70E+00	4.58E+00	4.58E+00	4.58E+00	4.58E+00	2.92E+00	2.92E+00	2.79E+01
	SM =	4.25E+00	2.50E+00	1.50E+00	4.50E+00	4.50E+00	1.50E+00	1.50E+00	2.03E+01
	Recharge =	6.14E+00	1.05E+00	3.48E+02	4.85E+00	1.25E+01	1.20E+00	3.59E+01	4.09E+02
Feb-2008	Precip (in) =	2.45E+00	2.45E+00	2.45E+00	2.45E+00	2.45E+00	2.45E+00	2.45E+00	2.45E+00
	PET (in) =	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	2.51E-01	3.68E-02	3.68E-02	3.68E-02	3.68E-02	6.01E-01	6.01E-01	1.60E+00
	P - (PET + RO) =	-3.21E-01	-1.07E-01	-1.07E-01	-1.07E-01	-1.07E-01	-6.71E-01	-6.71E-01	-2.09E+00
	SM =	4.25E+00	2.50E+00	1.50E+00	4.50E+00	4.50E+00	1.50E+00	1.50E+00	2.03E+01
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mar-2008	Precip (in) =	5.10E-01	5.10E-01	5.10E-01	5.10E-01	5.10E-01	5.10E-01	5.10E-01	5.10E-01
	PET (in) =	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-3.52E+00	-3.52E+00	-3.52E+00	-3.52E+00	-3.52E+00	-3.52E+00	-3.52E+00	-2.46E+01
	SM =	1.86E+00	6.12E-01	1.44E-01	2.06E+00	2.06E+00	1.44E-01	1.44E-01	7.02E+00
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Apr-2008	Precip (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	PET (in) =	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	

	P - (PET + RO) =	-4.34E+00	-4.34E+00	-4.34E+00	-4.34E+00	-4.34E+00	-4.34E+00	-4.34E+00	-4.34E+00	-3.04E+01
	SM =	1.88E-05	2.00E-09	1.03E-15	3.97E-05	3.97E-05	1.03E-15	1.03E-15	9.82E-05	
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Nov-2008	Precip (in) =	1.80E+00	1.80E+00	1.80E+00	1.80E+00	1.80E+00	1.80E+00	1.80E+00	1.80E+00	
	PET (in) =	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00		
	RO (in) =	1.06E-01	1.60E-03	1.60E-03	1.60E-03	1.60E-03	3.50E-01	3.50E-01	8.14E-01	
	P - (PET + RO) =	-7.06E-01	-6.02E-01	-6.02E-01	-6.02E-01	-6.02E-01	-9.50E-01	-9.50E-01	-5.01E+00	
	SM =	1.59E-05	1.57E-09	6.91E-16	3.47E-05	3.47E-05	5.47E-16	5.47E-16	8.54E-05	
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Dec-2008	Precip (in) =	6.20E+00	6.20E+00	6.20E+00	6.20E+00	6.20E+00	6.20E+00	6.20E+00	6.20E+00	
	PET (in) =	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00		
	RO (in) =	1.58E+00	8.17E-01	8.17E-01	8.17E-01	8.17E-01	2.30E+00	2.30E+00	9.45E+00	
	P - (PET + RO) =	3.07E+00	3.83E+00	3.83E+00	3.83E+00	3.83E+00	2.35E+00	2.35E+00	2.31E+01	
	SM =	3.07E+00	2.50E+00	1.50E+00	3.83E+00	3.83E+00	1.50E+00	1.50E+00	1.77E+01	
	Recharge =	0.00E+00	4.44E-01	1.95E+02	0.00E+00	0.00E+00	5.53E-01	1.65E+01	2.13E+02	
Jan-2009	Precip (in) =	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	2.00E-01	
	PET (in) =	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00		
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
	P - (PET + RO) =	-1.35E+00	-1.35E+00	-1.35E+00	-1.35E+00	-1.35E+00	-1.35E+00	-1.35E+00	-9.45E+00	
	SM =	2.24E+00	2.50E+00	1.50E+00	2.84E+00	2.84E+00	1.50E+00	1.50E+00	1.49E+01	
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Feb-2009	Precip (in) =	3.70E+00	3.70E+00	3.70E+00	3.70E+00	3.70E+00	3.70E+00	3.70E+00	3.70E+00	
	PET (in) =	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00		
	RO (in) =	6.27E-01	2.08E-01	2.08E-01	2.08E-01	2.08E-01	1.14E+00	1.14E+00	3.73E+00	
	P - (PET + RO) =	5.53E-01	9.72E-01	9.72E-01	9.72E-01	9.72E-01	4.19E-02	4.19E-02	4.53E+00	
	SM =	2.79E+00	2.50E+00	1.50E+00	3.81E+00	3.81E+00	1.50E+00	1.50E+00	1.74E+01	
	Recharge =	0.00E+00	3.24E-01	8.14E+01	0.00E+00	0.00E+00	2.72E-02	8.11E-01	8.25E+01	
Mar-2009	Precip (in) =	9.00E-02	9.00E-02	9.00E-02	9.00E-02	9.00E-02	9.00E-02	9.00E-02	9.00E-02	
	PET (in) =	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00		
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
	P - (PET + RO) =	-3.94E+00	-3.94E+00	-3.94E+00	-3.94E+00	-3.94E+00	-3.94E+00	-3.94E+00	-2.76E+01	
	SM =	1.10E+00	2.50E+00	1.50E+00	1.59E+00	1.59E+00	1.50E+00	1.50E+00	1.13E+01	
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
Apr-2009	Precip (in) =	2.40E-01	2.40E-01	2.40E-01	2.40E-01	2.40E-01	2.40E-01	2.40E-01	2.40E-01	
	PET (in) =	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00		
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
	P - (PET + RO) =	-5.46E+00	-5.46E+00	-5.46E+00	-5.46E+00	-5.46E+00	-5.46E+00	-5.46E+00	-3.82E+01	

	SM =	3.05E-01	2.81E-01	3.94E-02	4.72E-01	4.72E-01	3.94E-02	3.94E-02	1.65E+00
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
May-2009	Precip (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	PET (in) =	7.75E+00	7.75E+00	7.75E+00	7.75E+00	7.75E+00	7.75E+00	7.75E+00	0.00E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	0.00E+00
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-7.75E+00	-7.75E+00	-7.75E+00	-7.75E+00	-7.75E+00	-7.75E+00	-7.75E+00	-5.43E+01
	SM =	4.93E-02	1.27E-02	2.25E-04	8.43E-02	8.43E-02	2.25E-04	2.25E-04	2.31E-01
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Jun-2009	Precip (in) =	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	0.00E+00
	PET (in) =	8.70E+00	8.70E+00	8.70E+00	8.70E+00	8.70E+00	8.70E+00	8.70E+00	0.00E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	0.00E+00
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-8.67E+00	-8.67E+00	-8.67E+00	-8.67E+00	-8.67E+00	-8.67E+00	-8.67E+00	-6.07E+01
	SM =	6.41E-03	3.95E-04	6.94E-07	1.23E-02	1.23E-02	6.94E-07	6.94E-07	3.14E-02
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Jul-2009	Precip (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	PET (in) =	9.30E+00	9.30E+00	9.30E+00	9.30E+00	9.30E+00	9.30E+00	9.30E+00	0.00E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	0.00E+00
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-9.30E+00	-9.30E+00	-9.30E+00	-9.30E+00	-9.30E+00	-9.30E+00	-9.30E+00	-6.51E+01
	SM =	7.19E-04	9.58E-06	1.41E-09	1.55E-03	1.55E-03	1.41E-09	1.41E-09	3.84E-03
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Aug-2009	Precip (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	PET (in) =	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00	0.00E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	0.00E+00
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-8.37E+00	-8.37E+00	-8.37E+00	-8.37E+00	-8.37E+00	-8.37E+00	-8.37E+00	-5.86E+01
	SM =	1.00E-04	3.37E-07	5.31E-12	2.42E-04	2.42E-04	5.31E-12	5.31E-12	5.85E-04
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sep-2009	Precip (in) =	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	0.00E+00
	PET (in) =	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	0.00E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	0.00E+00
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-6.27E+00	-6.27E+00	-6.27E+00	-6.27E+00	-6.27E+00	-6.27E+00	-6.27E+00	-4.39E+01
	SM =	2.29E-05	2.74E-08	8.13E-14	6.01E-05	6.01E-05	8.13E-14	8.13E-14	1.43E-04
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Oct-2009	Precip (in) =	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	3.00E-02	0.00E+00
	PET (in) =	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	0.00E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	0.00E+00
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-4.31E+00	-4.31E+00	-4.31E+00	-4.31E+00	-4.31E+00	-4.31E+00	-4.31E+00	-3.02E+01
	SM =	8.32E-06	4.89E-09	4.59E-15	2.31E-05	2.31E-05	4.59E-15	4.59E-15	5.44E-05

	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-7.03E+00	-7.03E+00	-7.03E+00	-7.03E+00	-7.03E+00	-7.03E+00	-7.03E+00	-4.92E+01
	SM =	2.44E-01	1.95E-02	4.58E-04	3.03E-01	3.03E-01	4.58E-04	4.58E-04	8.71E-01
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Jun-2011	Precip (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	PET (in) =	8.70E+00	8.70E+00	8.70E+00	8.70E+00	8.70E+00	8.70E+00	8.70E+00	8.70E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-8.70E+00	-8.70E+00	-8.70E+00	-8.70E+00	-8.70E+00	-8.70E+00	-8.70E+00	-6.09E+01
	SM =	3.15E-02	5.99E-04	1.39E-06	4.38E-02	4.38E-02	1.39E-06	1.39E-06	1.20E-01
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Jul-2011	Precip (in) =	2.20E-01	2.20E-01	2.20E-01	2.20E-01	2.20E-01	2.20E-01	2.20E-01	2.20E-01
	PET (in) =	9.30E+00	9.30E+00	9.30E+00	9.30E+00	9.30E+00	9.30E+00	9.30E+00	9.30E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-9.08E+00	-9.08E+00	-9.08E+00	-9.08E+00	-9.08E+00	-9.08E+00	-9.08E+00	-6.36E+01
	SM =	3.72E-03	1.59E-05	3.26E-09	5.83E-03	5.83E-03	3.26E-09	3.26E-09	1.54E-02
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Aug-2011	Precip (in) =	1.28E+00	1.28E+00	1.28E+00	1.28E+00	1.28E+00	1.28E+00	1.28E+00	1.28E+00
	PET (in) =	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	2.87E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.87E-02
	P - (PET + RO) =	-7.12E+00	-7.09E+00	-7.09E+00	-7.09E+00	-7.09E+00	-7.09E+00	-7.09E+00	-4.97E+01
	SM =	6.97E-04	9.30E-07	2.89E-11	1.21E-03	1.21E-03	2.89E-11	2.89E-11	3.11E-03
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sep-2011	Precip (in) =	2.20E-01	2.20E-01	2.20E-01	2.20E-01	2.20E-01	2.20E-01	2.20E-01	2.20E-01
	PET (in) =	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-6.08E+00	-6.08E+00	-6.08E+00	-6.08E+00	-6.08E+00	-6.08E+00	-6.08E+00	-4.26E+01
	SM =	1.67E-04	8.17E-08	5.01E-13	3.12E-04	3.12E-04	5.01E-13	5.01E-13	7.92E-04
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Oct-2011	Precip (in) =	6.40E-01	6.40E-01	6.40E-01	6.40E-01	6.40E-01	6.40E-01	6.40E-01	6.40E-01
	PET (in) =	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-3.70E+00	-3.70E+00	-3.70E+00	-3.70E+00	-3.70E+00	-3.70E+00	-3.70E+00	-2.59E+01
	SM =	6.98E-05	1.86E-08	4.26E-14	1.37E-04	1.37E-04	4.26E-14	4.26E-14	3.44E-04
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nov-2011	Precip (in) =	3.39E+00	3.39E+00	3.39E+00	3.39E+00	3.39E+00	3.39E+00	3.39E+00	3.39E+00
	PET (in) =	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	

	SM =	3.02E-06	1.83E-09	2.93E-15	1.34E-05	1.34E-05	6.78E-17	6.78E-17	2.98E-05
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Dec-2012	Precip (in) =	2.74E+00	2.74E+00	2.74E+00	2.74E+00	2.74E+00	2.74E+00	2.74E+00	
	PET (in) =	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	3.29E-01	6.56E-02	6.56E-02	6.56E-02	6.56E-02	7.21E-01	7.21E-01	2.03E+00
	P - (PET + RO) =	8.61E-01	1.12E+00	1.12E+00	1.12E+00	1.12E+00	4.69E-01	4.69E-01	6.30E+00
	SM =	8.61E-01	1.12E+00	1.12E+00	1.12E+00	1.12E+00	4.69E-01	4.69E-01	6.30E+00
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Jan-2013	Precip (in) =	2.29E+00	2.29E+00	2.29E+00	2.29E+00	2.29E+00	2.29E+00	2.29E+00	
	PET (in) =	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	2.12E-01	2.42E-02	2.42E-02	2.42E-02	2.42E-02	5.37E-01	5.37E-01	1.38E+00
	P - (PET + RO) =	5.28E-01	7.16E-01	7.16E-01	7.16E-01	7.16E-01	2.03E-01	2.03E-01	3.80E+00
	SM =	1.39E+00	1.84E+00	1.50E+00	1.84E+00	1.84E+00	6.72E-01	6.72E-01	9.75E+00
	Recharge =	0.00E+00	0.00E+00	2.85E+01	0.00E+00	0.00E+00	3.61E-17	1.08E-15	2.85E+01
Feb-2013	Precip (in) =	1.52E+00	1.52E+00	1.52E+00	1.52E+00	1.52E+00	1.52E+00	1.52E+00	
	PET (in) =	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	5.95E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.95E-02
	P - (PET + RO) =	-1.06E+00	-1.00E+00	-1.00E+00	-1.00E+00	-1.00E+00	-1.00E+00	-1.00E+00	-7.06E+00
	SM =	1.08E+00	1.23E+00	1.50E+00	1.47E+00	1.47E+00	1.50E+00	1.50E+00	9.76E+00
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mar-2013	Precip (in) =	1.78E+00	1.78E+00	1.78E+00	1.78E+00	1.78E+00	1.78E+00	1.78E+00	
	PET (in) =	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	1.03E-01	1.24E-03	1.24E-03	1.24E-03	1.24E-03	3.43E-01	3.43E-01	7.94E-01
	P - (PET + RO) =	-2.35E+00	-2.25E+00	-2.25E+00	-2.25E+00	-2.25E+00	-2.59E+00	-2.59E+00	-1.65E+01
	SM =	6.22E-01	5.01E-01	3.34E-01	8.94E-01	8.94E-01	2.66E-01	2.66E-01	3.78E+00
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Apr-2013	Precip (in) =	2.00E-02	2.00E-02	2.00E-02	2.00E-02	2.00E-02	2.00E-02	2.00E-02	
	PET (in) =	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-5.68E+00	-5.68E+00	-5.68E+00	-5.68E+00	-5.68E+00	-5.68E+00	-5.68E+00	-3.98E+01
	SM =	1.64E-01	5.17E-02	7.58E-03	2.53E-01	2.53E-01	6.04E-03	6.04E-03	7.41E-01
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
May-2013	Precip (in) =	5.20E-01	5.20E-01	5.20E-01	5.20E-01	5.20E-01	5.20E-01	5.20E-01	
	PET (in) =	7.75E+00	7.75E+00	7.75E+00	7.75E+00	7.75E+00	7.75E+00	7.75E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-7.23E+00	-7.23E+00	-7.23E+00	-7.23E+00	-7.23E+00	-7.23E+00	-7.23E+00	-5.06E+01
	SM =	2.98E-02	2.87E-03	6.12E-05	5.07E-02	5.07E-02	4.87E-05	4.87E-05	1.34E-01

	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	7.83E-01	2.95E-01	2.95E-01	2.95E-01	2.95E-01	1.34E+00	1.34E+00	4.65E+00
	P - (PET + RO) =	1.82E+00	2.30E+00	2.30E+00	2.30E+00	2.30E+00	1.26E+00	1.26E+00	1.36E+01
	SM =	1.82E+00	2.30E+00	1.50E+00	2.30E+00	2.30E+00	1.26E+00	1.26E+00	1.27E+01
	Recharge =	0.00E+00	0.00E+00	6.73E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.73E+01
Jan-2015	Precip (in) =	4.80E-01	4.80E-01	4.80E-01	4.80E-01	4.80E-01	4.80E-01	4.80E-01	
	PET (in) =	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-1.07E+00	-1.07E+00	-1.07E+00	-1.07E+00	-1.07E+00	-1.07E+00	-1.07E+00	-7.49E+00
	SM =	1.41E+00	1.50E+00	1.50E+00	1.82E+00	1.82E+00	6.17E-01	6.17E-01	9.28E+00
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Feb-2015	Precip (in) =	1.07E+00	1.07E+00	1.07E+00	1.07E+00	1.07E+00	1.07E+00	1.07E+00	
	PET (in) =	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	2.52E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	1.02E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-02
	P - (PET + RO) =	-1.46E+00	-1.45E+00	-1.45E+00	-1.45E+00	-1.45E+00	-1.45E+00	-1.45E+00	-1.02E+01
	SM =	1.00E+00	8.41E-01	5.71E-01	1.32E+00	1.32E+00	2.35E-01	2.35E-01	5.52E+00
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Mar-2015	Precip (in) =	1.74E+00	1.74E+00	1.74E+00	1.74E+00	1.74E+00	1.74E+00	1.74E+00	
	PET (in) =	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.03E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	9.54E-02	6.48E-04	6.48E-04	6.48E-04	6.48E-04	3.29E-01	3.29E-01	7.56E-01
	P - (PET + RO) =	-2.39E+00	-2.29E+00	-2.29E+00	-2.29E+00	-2.29E+00	-2.62E+00	-2.62E+00	-1.68E+01
	SM =	5.72E-01	3.36E-01	1.24E-01	7.91E-01	7.91E-01	4.09E-02	4.09E-02	2.70E+00
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Apr-2015	Precip (in) =	4.40E-01	4.40E-01	4.40E-01	4.40E-01	4.40E-01	4.40E-01	4.40E-01	
	PET (in) =	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	5.70E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-5.26E+00	-5.26E+00	-5.26E+00	-5.26E+00	-5.26E+00	-5.26E+00	-5.26E+00	-3.68E+01
	SM =	1.66E-01	4.10E-02	3.72E-03	2.46E-01	2.46E-01	1.23E-03	1.23E-03	7.05E-01
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
May-2015	Precip (in) =	2.61E+00	2.61E+00	2.61E+00	2.61E+00	2.61E+00	2.61E+00	2.61E+00	
	PET (in) =	7.75E+00	7.75E+00	7.75E+00	7.75E+00	7.75E+00	7.75E+00	7.75E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	2.93E-01	5.18E-02	5.18E-02	5.18E-02	5.18E-02	6.67E-01	6.67E-01	1.83E+00
	P - (PET + RO) =	-5.43E+00	-5.19E+00	-5.19E+00	-5.19E+00	-5.19E+00	-5.81E+00	-5.81E+00	-3.78E+01
	SM =	4.62E-02	5.14E-03	1.17E-04	7.76E-02	7.76E-02	2.56E-05	2.56E-05	2.07E-01
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Jun-2015	Precip (in) =	6.90E-01	6.90E-01	6.90E-01	6.90E-01	6.90E-01	6.90E-01	6.90E-01	
	PET (in) =	8.70E+00	8.70E+00	8.70E+00	8.70E+00	8.70E+00	8.70E+00	8.70E+00	
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	

	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-8.01E+00	-8.01E+00	-8.01E+00	-8.01E+00	-8.01E+00	-8.01E+00	-8.01E+00	-8.01E+00	-5.61E+01
	SM =	7.01E-03	2.09E-04	5.60E-07	1.31E-02	1.31E-02	1.23E-07	1.23E-07	1.23E-07	3.34E-02
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Jul-2015	Precip (in) =	4.60E-01	4.60E-01	4.60E-01	4.60E-01	4.60E-01	4.60E-01	4.60E-01	4.60E-01	4.60E-01
	PET (in) =	9.30E+00	9.30E+00	9.30E+00	9.30E+00	9.30E+00	9.30E+00	9.30E+00	9.30E+00	9.30E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-8.84E+00	-8.84E+00	-8.84E+00	-8.84E+00	-8.84E+00	-8.84E+00	-8.84E+00	-8.84E+00	-6.19E+01
	SM =	8.76E-04	6.08E-06	1.54E-09	1.83E-03	1.83E-03	3.38E-10	3.38E-10	3.38E-10	4.55E-03
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Aug-2015	Precip (in) =	2.00E-02	2.00E-02	2.00E-02	2.00E-02	2.00E-02	2.00E-02	2.00E-02	2.00E-02	2.00E-02
	PET (in) =	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	1.63E+00
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-8.35E+00	-8.35E+00	-8.35E+00	-8.35E+00	-8.35E+00	-8.35E+00	-8.35E+00	-8.35E+00	-5.85E+01
	SM =	1.23E-04	2.16E-07	5.90E-12	2.87E-04	2.87E-04	1.29E-12	1.29E-12	1.29E-12	6.97E-04
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sep-2015	Precip (in) =	7.60E-01	7.60E-01	7.60E-01	7.60E-01	7.60E-01	7.60E-01	7.60E-01	7.60E-01	7.60E-01
	PET (in) =	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	1.63E+00
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-5.54E+00	-5.54E+00	-5.54E+00	-5.54E+00	-5.54E+00	-5.54E+00	-5.54E+00	-5.54E+00	-3.88E+01
	SM =	3.33E-05	2.35E-08	1.47E-13	8.37E-05	8.37E-05	3.22E-14	3.22E-14	3.22E-14	2.01E-04
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Oct-2015	Precip (in) =	1.09E+00	1.09E+00	1.09E+00	1.09E+00	1.09E+00	1.09E+00	1.09E+00	1.09E+00	1.09E+00
	PET (in) =	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	1.63E+00
	RO (in) =	1.16E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-02
	P - (PET + RO) =	-3.26E+00	-3.25E+00	-3.25E+00	-3.25E+00	-3.25E+00	-3.25E+00	-3.25E+00	-3.25E+00	-2.28E+01
	SM =	1.55E-05	6.41E-09	1.68E-14	4.07E-05	4.07E-05	3.69E-15	3.69E-15	3.69E-15	9.68E-05
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nov-2015	Precip (in) =	1.04E+00	1.04E+00	1.04E+00	1.04E+00	1.04E+00	1.04E+00	1.04E+00	1.04E+00	1.04E+00
	PET (in) =	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	1.63E+00
	RO (in) =	8.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.28E-03
	P - (PET + RO) =	-1.37E+00	-1.36E+00	-1.36E+00	-1.36E+00	-1.36E+00	-1.36E+00	-1.36E+00	-1.36E+00	-9.53E+00
	SM =	1.12E-05	3.72E-09	6.79E-15	3.01E-05	3.01E-05	1.49E-15	1.49E-15	1.49E-15	7.13E-05
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Dec-2015	Precip (in) =	2.03E+00	2.03E+00	2.03E+00	2.03E+00	2.03E+00	2.03E+00	2.03E+00	2.03E+00	2.03E+00
	PET (in) =	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	1.63E+00
	RO (in) =	1.53E-01	9.03E-03	9.03E-03	9.03E-03	9.03E-03	9.03E-03	4.36E-01	4.36E-01	1.06E+00

	SM =	1.82E-02	2.48E-04	3.19E-07	1.18E-02	1.18E-02	7.35E-08	7.35E-08	4.21E-02
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Jul-2016	Precip (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	PET (in) =	9.30E+00	9.30E+00	9.30E+00	9.30E+00	9.30E+00	9.30E+00	9.30E+00	9.30E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-9.30E+00	-9.30E+00	-9.30E+00	-9.30E+00	-9.30E+00	-9.30E+00	-9.30E+00	-6.51E+01
	SM =	2.04E-03	6.01E-06	6.48E-10	1.50E-03	1.50E-03	1.49E-10	1.49E-10	5.05E-03
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Aug-2016	Precip (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	PET (in) =	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00	8.37E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-8.37E+00	-8.37E+00	-8.37E+00	-8.37E+00	-8.37E+00	-8.37E+00	-8.37E+00	-5.86E+01
	SM =	2.85E-04	2.11E-07	2.44E-12	2.33E-04	2.33E-04	5.63E-13	5.63E-13	7.52E-04
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Sep-2016	Precip (in) =	1.13E+00	1.13E+00	1.13E+00	1.13E+00	1.13E+00	1.13E+00	1.13E+00	1.13E+00
	PET (in) =	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00	6.30E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	1.46E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-02
	P - (PET + RO) =	-5.18E+00	-5.17E+00	-5.17E+00	-5.17E+00	-5.17E+00	-5.17E+00	-5.17E+00	-3.62E+01
	SM =	8.41E-05	2.67E-08	7.79E-14	7.40E-05	7.40E-05	1.79E-14	1.79E-14	2.32E-04
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Oct-2016	Precip (in) =	1.00E-01	1.00E-01	1.00E-01	1.00E-01	1.00E-01	1.00E-01	1.00E-01	1.00E-01
	PET (in) =	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00	4.34E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
	P - (PET + RO) =	-4.24E+00	-4.24E+00	-4.24E+00	-4.24E+00	-4.24E+00	-4.24E+00	-4.24E+00	-2.97E+01
	SM =	3.10E-05	4.90E-09	4.61E-15	2.88E-05	2.88E-05	1.06E-15	1.06E-15	8.87E-05
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Nov-2016	Precip (in) =	1.20E+00	1.20E+00	1.20E+00	1.20E+00	1.20E+00	1.20E+00	1.20E+00	1.20E+00
	PET (in) =	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00	2.40E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	2.07E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.07E-02
	P - (PET + RO) =	-1.22E+00	-1.20E+00	-1.20E+00	-1.20E+00	-1.20E+00	-1.20E+00	-1.20E+00	-8.42E+00
	SM =	2.33E-05	3.03E-09	2.07E-15	2.21E-05	2.21E-05	4.77E-16	4.77E-16	6.74E-05
	Recharge =	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Dec-2016	Precip (in) =	4.87E+00	4.87E+00	4.87E+00	4.87E+00	4.87E+00	4.87E+00	4.87E+00	4.87E+00
	PET (in) =	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00	1.55E+00
	S =	3.89E+00	8.18E+00	8.18E+00	8.18E+00	8.18E+00	1.63E+00	1.63E+00	
	RO (in) =	1.05E+00	4.58E-01	4.58E-01	4.58E-01	4.58E-01	1.67E+00	1.67E+00	6.23E+00
	P - (PET + RO) =	2.27E+00	2.86E+00	2.86E+00	2.86E+00	2.86E+00	1.65E+00	1.65E+00	1.70E+01
	SM =	2.27E+00	2.50E+00	1.50E+00	2.86E+00	2.86E+00	1.50E+00	1.50E+00	1.50E+01

	431.3	431.3
	60.66422	25.1594
60.15299014	16609.86	100.6376
	0.140654	0.058334
0.139469024	38.51116	0.233335

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Time	INPUT					OUTPUT				
	Monthly Avg. Reference ET (inches)	Monthly Avg. Reference ET (feet)	Mean Precip (inches)	Mean Precip (feet)	Water Demand (AF)	Runoff (in)	P-(PET+RO) (in)	Soil Moisture (in)	Recharge (AF)	Storage (AF)
Jan-1959	1.55	0.13	1.12	0.09	0.00	0.01	-3.02	20.25	0.00	1.12
Feb-1959	2.52	0.21	5.61	0.47	0.00	7.98	13.65	20.25	303.00	5.61
Mar-1959	4.03	0.34	0	0.00	0.00	0.00	-28.21	20.25	0.00	0.00
Apr-1959	5.7	0.48	0.17	0.01	0.00	0.00	-38.71	4.18	0.00	0.17
May-1959	7.75	0.65	0.14	0.01	0.00	0.00	-53.27	0.69	0.00	0.14
Jun-1959	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.10	0.00	0.00
Jul-1959	9.3	0.78	0.03	0.00	0.00	0.00	-64.89	0.01	0.00	0.03
Aug-1959	8.37	0.70	0.16	0.01	0.00	0.00	-57.47	0.00	0.00	0.16
Sep-1959	6.3	0.53	0.34	0.03	0.00	0.00	-41.72	0.00	0.00	0.34
Oct-1959	4.34	0.36	0.5	0.04	0.00	0.00	-26.88	0.00	0.00	0.50
Nov-1959	2.4	0.20	0.13	0.01	0.00	0.00	-15.89	0.00	0.00	0.13
Dec-1959	1.55	0.13	2.93	0.24	0.00	2.34	7.32	7.32	0.00	2.93
Jan-1960	1.55	0.13	2.97	0.25	0.00	2.41	7.53	13.62	93.62	2.97
Feb-1960	2.52	0.21	4.1	0.34	0.00	4.54	6.52	17.55	108.80	4.10
Mar-1960	4.03	0.34	0.45	0.04	0.00	0.00	-25.06	9.02	0.00	0.45
Apr-1960	5.7	0.48	1.95	0.16	0.00	0.97	-27.22	2.72	0.00	1.95
May-1960	7.75	0.65	0.49	0.04	0.00	0.00	-50.82	0.43	0.00	0.49
Jun-1960	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.06	0.00	0.00
Jul-1960	9.3	0.78	0.17	0.01	0.00	0.00	-63.91	0.01	0.00	0.17
Aug-1960	8.37	0.70	0.03	0.00	0.00	0.00	-58.38	0.00	0.00	0.03
Sep-1960	6.3	0.53	1.59	0.13	0.00	0.07	-33.04	0.00	0.00	1.59
Oct-1960	4.34	0.36	0.16	0.01	0.00	0.00	-29.26	0.00	0.00	0.16
Nov-1960	2.4	0.20	1.67	0.14	0.00	0.69	-5.80	0.00	0.00	1.67
Dec-1960	1.55	0.13	0.07	0.01	0.00	0.00	-10.36	0.00	0.00	0.07
Jan-1961	1.55	0.13	1.09	0.09	0.00	0.01	-3.23	0.00	0.00	1.09
Feb-1961	2.52	0.21	0.16	0.01	0.00	0.00	-16.52	0.00	0.00	0.16
Mar-1961	4.03	0.34	2.28	0.19	0.00	1.37	-13.62	0.00	0.00	2.28
Apr-1961	5.7	0.48	0	0.00	0.00	0.00	-39.90	0.00	0.00	0.00
May-1961	7.75	0.65	0.02	0.00	0.00	0.00	-54.11	0.00	0.00	0.02
Jun-1961	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.00	0.00	0.00
Jul-1961	9.3	0.78	0	0.00	0.00	0.00	-65.10	0.00	0.00	0.00
Aug-1961	8.37	0.70	0.62	0.05	0.00	0.00	-54.25	0.00	0.00	0.62
Sep-1961	6.3	0.53	0	0.00	0.00	0.00	-44.10	0.00	0.00	0.00
Oct-1961	4.34	0.36	0.37	0.03	0.00	0.00	-27.79	0.00	0.00	0.37
Nov-1961	2.4	0.20	0.77	0.06	0.00	0.00	-11.41	0.00	0.00	0.77
Dec-1961	1.55	0.13	2.08	0.17	0.00	1.12	2.59	2.59	0.00	2.08
Jan-1962	1.55	0.13	3.61	0.30	0.00	3.56	10.86	12.56	74.21	3.61
Feb-1962	2.52	0.21	4.53	0.38	0.00	5.46	8.61	17.96	137.71	4.53

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Mar-1962	4.03	0.34	2.12	0.18	0.00	1.17	-14.54	14.03	0.00	2.12
Apr-1962	5.7	0.48	0	0.00	0.00	0.00	-39.90	2.30	0.00	0.00
May-1962	7.75	0.65	0.9	0.08	0.00	0.00	-47.95	0.43	0.00	0.90
Jun-1962	8.7	0.73	0.11	0.01	0.00	0.00	-60.13	0.06	0.00	0.11
Jul-1962	9.3	0.78	0	0.00	0.00	0.00	-65.10	0.01	0.00	0.00
Aug-1962	8.37	0.70	0	0.00	0.00	0.00	-58.59	0.00	0.00	0.00
Sep-1962	6.3	0.53	0	0.00	0.00	0.00	-44.10	0.00	0.00	0.00
Oct-1962	4.34	0.36	0.07	0.01	0.00	0.00	-29.89	0.00	0.00	0.07
Nov-1962	2.4	0.20	0	0.00	0.00	0.00	-16.80	0.00	0.00	0.00
Dec-1962	1.55	0.13	0.65	0.05	0.00	0.00	-6.30	0.00	0.00	0.65
Jan-1963	1.55	0.13	0.18	0.02	0.00	0.00	-9.59	0.00	0.00	0.18
Feb-1963	2.52	0.21	3.03	0.25	0.00	2.51	1.06	1.73	0.00	3.03
Mar-1963	4.03	0.34	1.72	0.14	0.00	0.74	-16.91	0.79	0.00	1.72
Apr-1963	5.7	0.48	1.86	0.16	0.00	0.87	-27.75	0.27	0.00	1.86
May-1963	7.75	0.65	0	0.00	0.00	0.00	-54.25	0.04	0.00	0.00
Jun-1963	8.7	0.73	0.13	0.01	0.00	0.00	-59.99	0.01	0.00	0.13
Jul-1963	9.3	0.78	0	0.00	0.00	0.00	-65.10	0.00	0.00	0.00
Aug-1963	8.37	0.70	0.63	0.05	0.00	0.00	-54.18	0.00	0.00	0.63
Sep-1963	6.3	0.53	2.45	0.20	0.00	1.60	-28.55	0.00	0.00	2.45
Oct-1963	4.34	0.36	1.35	0.11	0.00	0.04	-20.97	0.00	0.00	1.35
Nov-1963	2.4	0.20	1.77	0.15	0.00	0.78	-5.19	0.00	0.00	1.77
Dec-1963	1.55	0.13	0.31	0.03	0.00	0.00	-8.68	0.00	0.00	0.31
Jan-1964	1.55	0.13	2.12	0.18	0.00	1.17	2.82	2.82	0.00	2.12
Feb-1964	2.52	0.21	1.34	0.11	0.00	0.04	-8.30	1.85	0.00	1.34
Mar-1964	4.03	0.34	3.22	0.27	0.00	2.84	-8.51	1.32	0.00	3.22
Apr-1964	5.7	0.48	0.95	0.08	0.00	0.00	-33.25	0.36	0.00	0.95
May-1964	7.75	0.65	0.67	0.06	0.00	0.00	-49.56	0.07	0.00	0.67
Jun-1964	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.01	0.00	0.00
Jul-1964	9.3	0.78	0	0.00	0.00	0.00	-65.10	0.00	0.00	0.00
Aug-1964	8.37	0.70	0.03	0.00	0.00	0.00	-58.38	0.00	0.00	0.03
Sep-1964	6.3	0.53	0.07	0.01	0.00	0.00	-43.61	0.00	0.00	0.07
Oct-1964	4.34	0.36	0.39	0.03	0.00	0.00	-27.65	0.00	0.00	0.39
Nov-1964	2.4	0.20	1.88	0.16	0.00	0.90	-4.54	0.00	0.00	1.88
Dec-1964	1.55	0.13	1.83	0.15	0.00	0.84	1.12	1.28	0.00	1.83
Jan-1965	1.55	0.13	0.8	0.07	0.00	0.00	-5.25	0.99	0.00	0.80
Feb-1965	2.52	0.21	0	0.00	0.00	0.00	-17.64	0.45	0.00	0.00
Mar-1965	4.03	0.34	1.2	0.10	0.00	0.02	-19.83	0.21	0.00	1.20
Apr-1965	5.7	0.48	6.03	0.50	0.00	9.02	-6.71	0.18	0.00	6.03
May-1965	7.75	0.65	0.05	0.00	0.00	0.00	-53.90	0.03	0.00	0.05
Jun-1965	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.00	0.00	0.00
Jul-1965	9.3	0.78	0.36	0.03	0.00	0.00	-62.58	0.00	0.00	0.36
Aug-1965	8.37	0.70	0.13	0.01	0.00	0.00	-57.68	0.00	0.00	0.13
Sep-1965	6.3	0.53	0	0.00	0.00	0.00	-44.10	0.00	0.00	0.00

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Oct-1965	4.34	0.36	0	0.00	0.00	0.00	-30.38	0.00	0.00	0.00
Nov-1965	2.4	0.20	9.03	0.75	0.00	17.16	29.25	19.83	318.16	9.03
Dec-1965	1.55	0.13	4.31	0.36	0.00	4.99	14.33	20.25	301.70	4.31
Jan-1966	1.55	0.13	1.35	0.11	0.00	0.04	-1.44	20.25	0.00	1.35
Feb-1966	2.52	0.21	1.4	0.12	0.00	0.04	-7.88	13.98	0.00	1.40
Mar-1966	4.03	0.34	1.16	0.10	0.00	0.02	-20.11	6.17	0.00	1.16
Apr-1966	5.7	0.48	0.05	0.00	0.00	0.00	-39.55	1.55	0.00	0.05
May-1966	7.75	0.65	0.07	0.01	0.00	0.00	-53.76	0.27	0.00	0.07
Jun-1966	8.7	0.73	0.22	0.02	0.00	0.00	-59.36	0.04	0.00	0.22
Jul-1966	9.3	0.78	0.39	0.03	0.00	0.00	-62.37	0.01	0.00	0.39
Aug-1966	8.37	0.70	0.19	0.02	0.00	0.00	-57.26	0.00	0.00	0.19
Sep-1966	6.3	0.53	0.2	0.02	0.00	0.00	-42.70	0.00	0.00	0.20
Oct-1966	4.34	0.36	0.46	0.04	0.00	0.00	-27.16	0.00	0.00	0.46
Nov-1966	2.4	0.20	0.83	0.07	0.00	0.00	-10.99	0.00	0.00	0.83
Dec-1966	1.55	0.13	0	0.00	0.00	0.00	-10.85	0.00	0.00	0.00
Jan-1967	1.55	0.13	1.42	0.12	0.00	0.05	-0.96	0.00	0.00	1.42
Feb-1967	2.52	0.21	0	0.00	0.00	0.00	-17.64	0.00	0.00	0.00
Mar-1967	4.03	0.34	1.03	0.09	0.00	0.01	-21.01	0.00	0.00	1.03
Apr-1967	5.7	0.48	3.54	0.30	0.00	3.43	-18.55	0.00	0.00	3.54
May-1967	7.75	0.65	0.48	0.04	0.00	0.00	-50.89	0.00	0.00	0.48
Jun-1967	8.7	0.73	0.06	0.01	0.00	0.00	-60.48	0.00	0.00	0.06
Jul-1967	9.3	0.78	0.34	0.03	0.00	0.00	-62.72	0.00	0.00	0.34
Aug-1967	8.37	0.70	0.49	0.04	0.00	0.00	-55.16	0.00	0.00	0.49
Sep-1967	6.3	0.53	0.82	0.07	0.00	0.00	-38.36	0.00	0.00	0.82
Oct-1967	4.34	0.36	0	0.00	0.00	0.00	-30.38	0.00	0.00	0.00
Nov-1967	2.4	0.20	3.65	0.30	0.00	3.64	5.11	5.11	0.00	3.65
Dec-1967	1.55	0.13	4.23	0.35	0.00	4.82	13.94	16.22	160.90	4.23
Jan-1968	1.55	0.13	0.58	0.05	0.00	0.00	-6.79	13.01	0.00	0.58
Feb-1968	2.52	0.21	0.73	0.06	0.00	0.00	-12.53	7.15	0.00	0.73
Mar-1968	4.03	0.34	2.19	0.18	0.00	1.25	-14.13	4.07	0.00	2.19
Apr-1968	5.7	0.48	0.85	0.07	0.00	0.00	-33.95	1.19	0.00	0.85
May-1968	7.75	0.65	0.28	0.02	0.00	0.00	-52.29	0.21	0.00	0.28
Jun-1968	8.7	0.73	0.03	0.00	0.00	0.00	-60.69	0.03	0.00	0.03
Jul-1968	9.3	0.78	1.88	0.16	0.00	0.90	-52.84	0.01	0.00	1.88
Aug-1968	8.37	0.70	0.06	0.01	0.00	0.00	-58.17	0.00	0.00	0.06
Sep-1968	6.3	0.53	0	0.00	0.00	0.00	-44.10	0.00	0.00	0.00
Oct-1968	4.34	0.36	0.05	0.00	0.00	0.00	-30.03	0.00	0.00	0.05
Nov-1968	2.4	0.20	0.72	0.06	0.00	0.00	-11.76	0.00	0.00	0.72
Dec-1968	1.55	0.13	1.66	0.14	0.00	0.68	0.09	0.47	0.00	1.66
Jan-1969	1.55	0.13	8.3	0.69	0.00	15.08	32.17	20.25	377.24	8.30
Feb-1969	2.52	0.21	5.67	0.47	0.00	8.12	13.93	20.25	308.76	5.67
Mar-1969	4.03	0.34	1.96	0.16	0.00	0.98	-15.47	20.25	0.00	1.96
Apr-1969	5.7	0.48	0.1	0.01	0.00	0.00	-39.20	4.10	0.00	0.10

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May-1969	7.75	0.65	0.43	0.04	0.00	0.00	-51.24	0.73	0.00	0.43
Jun-1969	8.7	0.73	0.12	0.01	0.00	0.00	-60.06	0.10	0.00	0.12
Jul-1969	9.3	0.78	0.01	0.00	0.00	0.00	-65.03	0.01	0.00	0.01
Aug-1969	8.37	0.70	0	0.00	0.00	0.00	-58.59	0.00	0.00	0.00
Sep-1969	6.3	0.53	0.2	0.02	0.00	0.00	-42.70	0.00	0.00	0.20
Oct-1969	4.34	0.36	0.02	0.00	0.00	0.00	-30.24	0.00	0.00	0.02
Nov-1969	2.4	0.20	1.85	0.15	0.00	0.86	-4.71	0.00	0.00	1.85
Dec-1969	1.55	0.13	0.26	0.02	0.00	0.00	-9.03	0.00	0.00	0.26
Jan-1970	1.55	0.13	0.85	0.07	0.00	0.00	-4.90	0.00	0.00	0.85
Feb-1970	2.52	0.21	0.96	0.08	0.00	0.00	-10.92	0.00	0.00	0.96
Mar-1970	4.03	0.34	3.95	0.33	0.00	4.23	-4.79	0.00	0.00	3.95
Apr-1970	5.7	0.48	1.18	0.10	0.00	0.02	-31.66	0.00	0.00	1.18
May-1970	7.75	0.65	0	0.00	0.00	0.00	-54.25	0.00	0.00	0.00
Jun-1970	8.7	0.73	0.03	0.00	0.00	0.00	-60.69	0.00	0.00	0.03
Jul-1970	9.3	0.78	0.03	0.00	0.00	0.00	-64.89	0.00	0.00	0.03
Aug-1970	8.37	0.70	2.66	0.22	0.00	1.91	-41.88	0.00	0.00	2.66
Sep-1970	6.3	0.53	0.08	0.01	0.00	0.00	-43.54	0.00	0.00	0.08
Oct-1970	4.34	0.36	0.12	0.01	0.00	0.00	-29.54	0.00	0.00	0.12
Nov-1970	2.4	0.20	1.28	0.11	0.00	0.03	-7.87	0.00	0.00	1.28
Dec-1970	1.55	0.13	2.66	0.22	0.00	1.91	5.86	5.86	0.00	2.66
Jan-1971	1.55	0.13	1.12	0.09	0.00	0.01	-3.02	4.95	0.00	1.12
Feb-1971	2.52	0.21	1.22	0.10	0.00	0.02	-9.12	3.09	0.00	1.22
Mar-1971	4.03	0.34	0.4	0.03	0.00	0.00	-25.41	1.04	0.00	0.40
Apr-1971	5.7	0.48	1.46	0.12	0.00	0.05	-29.73	0.36	0.00	1.46
May-1971	7.75	0.65	0.67	0.06	0.00	0.00	-49.56	0.07	0.00	0.67
Jun-1971	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.01	0.00	0.00
Jul-1971	9.3	0.78	0.07	0.01	0.00	0.00	-64.61	0.00	0.00	0.07
Aug-1971	8.37	0.70	1	0.08	0.00	0.01	-51.60	0.00	0.00	1.00
Sep-1971	6.3	0.53	0.25	0.02	0.00	0.00	-42.35	0.00	0.00	0.25
Oct-1971	4.34	0.36	1.18	0.10	0.00	0.02	-22.14	0.00	0.00	1.18
Nov-1971	2.4	0.20	0.05	0.00	0.00	0.00	-16.45	0.00	0.00	0.05
Dec-1971	1.55	0.13	3.6	0.30	0.00	3.54	10.81	10.45	30.12	3.60
Jan-1972	1.55	0.13	0	0.00	0.00	0.00	-10.85	6.83	0.00	0.00
Feb-1972	2.52	0.21	0.18	0.02	0.00	0.00	-16.38	3.00	0.00	0.18
Mar-1972	4.03	0.34	0	0.00	0.00	0.00	-28.21	0.98	0.00	0.00
Apr-1972	5.7	0.48	0.24	0.02	0.00	0.00	-38.22	0.26	0.00	0.24
May-1972	7.75	0.65	0.14	0.01	0.00	0.00	-53.27	0.05	0.00	0.14
Jun-1972	8.7	0.73	0.31	0.03	0.00	0.00	-58.73	0.01	0.00	0.31
Jul-1972	9.3	0.78	0	0.00	0.00	0.00	-65.10	0.00	0.00	0.00
Aug-1972	8.37	0.70	0.04	0.00	0.00	0.00	-58.31	0.00	0.00	0.04
Sep-1972	6.3	0.53	0.14	0.01	0.00	0.00	-43.12	0.00	0.00	0.14
Oct-1972	4.34	0.36	1.87	0.16	0.00	0.88	-18.17	0.00	0.00	1.87
Nov-1972	2.4	0.20	2.6	0.22	0.00	1.82	-0.42	0.60	0.00	2.60

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Dec-1972	1.55	0.13	2.55	0.21	0.00	1.75	5.25	5.85	0.00	2.55
Jan-1973	1.55	0.13	1.7	0.14	0.00	0.72	0.33	6.68	0.00	1.70
Feb-1973	2.52	0.21	3.13	0.26	0.00	2.68	1.59	8.23	41.40	3.13
Mar-1973	4.03	0.34	5.24	0.44	0.00	7.09	1.38	10.04	55.15	5.24
Apr-1973	5.7	0.48	0.29	0.02	0.00	0.00	-37.87	3.50	0.00	0.29
May-1973	7.75	0.65	0.09	0.01	0.00	0.00	-53.62	0.33	0.00	0.09
Jun-1973	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.04	0.00	0.00
Jul-1973	9.3	0.78	0	0.00	0.00	0.00	-65.10	0.01	0.00	0.00
Aug-1973	8.37	0.70	0.09	0.01	0.00	0.00	-57.96	0.00	0.00	0.09
Sep-1973	6.3	0.53	0	0.00	0.00	0.00	-44.10	0.00	0.00	0.00
Oct-1973	4.34	0.36	0.05	0.00	0.00	0.00	-30.03	0.00	0.00	0.05
Nov-1973	2.4	0.20	1.69	0.14	0.00	0.71	-5.68	0.00	0.00	1.69
Dec-1973	1.55	0.13	0.11	0.01	0.00	0.00	-10.08	0.00	0.00	0.11
Jan-1974	1.55	0.13	4.29	0.36	0.00	4.94	14.24	13.32	76.58	4.29
Feb-1974	2.52	0.21	0.07	0.01	0.00	0.00	-17.15	6.80	0.00	0.07
Mar-1974	4.03	0.34	1.24	0.10	0.00	0.02	-19.55	2.67	0.00	1.24
Apr-1974	5.7	0.48	0.24	0.02	0.00	0.00	-38.22	0.64	0.00	0.24
May-1974	7.75	0.65	0.16	0.01	0.00	0.00	-53.13	0.11	0.00	0.16
Jun-1974	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.02	0.00	0.00
Jul-1974	9.3	0.78	1.28	0.11	0.00	0.03	-56.17	0.00	0.00	1.28
Aug-1974	8.37	0.70	0.13	0.01	0.00	0.00	-57.68	0.00	0.00	0.13
Sep-1974	6.3	0.53	0.31	0.03	0.00	0.00	-41.93	0.00	0.00	0.31
Oct-1974	4.34	0.36	2.32	0.19	0.00	1.42	-15.56	0.00	0.00	2.32
Nov-1974	2.4	0.20	0.39	0.03	0.00	0.00	-14.07	0.00	0.00	0.39
Dec-1974	1.55	0.13	1.24	0.10	0.00	0.02	-2.19	0.00	0.00	1.24
Jan-1975	1.55	0.13	0.4	0.03	0.00	0.00	-8.05	0.00	0.00	0.40
Feb-1975	2.52	0.21	1.02	0.09	0.00	0.01	-10.51	0.00	0.00	1.02
Mar-1975	4.03	0.34	3.4	0.28	0.00	3.16	-7.57	0.00	0.00	3.40
Apr-1975	5.7	0.48	1.58	0.13	0.00	0.07	-28.91	0.00	0.00	1.58
May-1975	7.75	0.65	0.11	0.01	0.00	0.00	-53.48	0.00	0.00	0.11
Jun-1975	8.7	0.73	0.12	0.01	0.00	0.00	-60.06	0.00	0.00	0.12
Jul-1975	9.3	0.78	0.09	0.01	0.00	0.00	-64.47	0.00	0.00	0.09
Aug-1975	8.37	0.70	0	0.00	0.00	0.00	-58.59	0.00	0.00	0.00
Sep-1975	6.3	0.53	0.18	0.02	0.00	0.00	-42.84	0.00	0.00	0.18
Oct-1975	4.34	0.36	0.07	0.01	0.00	0.00	-29.89	0.00	0.00	0.07
Nov-1975	2.4	0.20	2.15	0.18	0.00	1.20	-2.95	0.00	0.00	2.15
Dec-1975	1.55	0.13	0.63	0.05	0.00	0.00	-6.44	0.00	0.00	0.63
Jan-1976	1.55	0.13	0.07	0.01	0.00	0.00	-10.36	0.00	0.00	0.07
Feb-1976	2.52	0.21	5.47	0.46	0.00	7.64	13.01	12.17	70.16	5.47
Mar-1976	4.03	0.34	1.81	0.15	0.00	0.82	-16.36	6.64	0.00	1.81
Apr-1976	5.7	0.48	1.85	0.15	0.00	0.86	-27.81	1.93	0.00	1.85
May-1976	7.75	0.65	0.06	0.01	0.00	0.00	-53.83	0.29	0.00	0.06
Jun-1976	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.04	0.00	0.00

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Jul-1976	9.3	0.78	0.61	0.05	0.00	0.00	-60.83	0.01	0.00	0.61
Aug-1976	8.37	0.70	0	0.00	0.00	0.00	-58.59	0.00	0.00	0.00
Sep-1976	6.3	0.53	2.85	0.24	0.00	2.21	-26.36	0.00	0.00	2.85
Oct-1976	4.34	0.36	0.24	0.02	0.00	0.00	-28.70	0.00	0.00	0.24
Nov-1976	2.4	0.20	1.02	0.09	0.00	0.01	-9.67	0.00	0.00	1.02
Dec-1976	1.55	0.13	0.76	0.06	0.00	0.00	-5.53	0.00	0.00	0.76
Jan-1977	1.55	0.13	3.1	0.26	0.00	2.63	8.22	8.22	0.00	3.10
Feb-1977	2.52	0.21	0.35	0.03	0.00	0.00	-15.19	3.71	0.00	0.35
Mar-1977	4.03	0.34	0.85	0.07	0.00	0.00	-22.26	1.44	0.00	0.85
Apr-1977	5.7	0.48	0.19	0.02	0.00	0.00	-38.57	0.36	0.00	0.19
May-1977	7.75	0.65	1.15	0.10	0.00	0.02	-46.22	0.08	0.00	1.15
Jun-1977	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.01	0.00	0.00
Jul-1977	9.3	0.78	0	0.00	0.00	0.00	-65.10	0.00	0.00	0.00
Aug-1977	8.37	0.70	1.18	0.10	0.00	0.02	-50.35	0.00	0.00	1.18
Sep-1977	6.3	0.53	0	0.00	0.00	0.00	-44.10	0.00	0.00	0.00
Oct-1977	4.34	0.36	0.88	0.07	0.00	0.00	-24.22	0.00	0.00	0.88
Nov-1977	2.4	0.20	0.25	0.02	0.00	0.00	-15.05	0.00	0.00	0.25
Dec-1977	1.55	0.13	0	0.00	0.00	0.00	-10.85	0.00	0.00	0.00
Jan-1978	1.55	0.13	7.79	0.65	0.00	13.67	30.01	19.98	326.78	7.79
Feb-1978	2.52	0.21	5.38	0.45	0.00	7.42	12.60	20.25	274.70	5.38
Mar-1978	4.03	0.34	5.45	0.45	0.00	7.59	2.35	20.25	83.87	5.45
Apr-1978	5.7	0.48	1.48	0.12	0.00	0.05	-29.59	17.43	0.00	1.48
May-1978	7.75	0.65	0.53	0.04	0.00	0.00	-50.54	2.74	0.00	0.53
Jun-1978	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.37	0.00	0.00
Jul-1978	9.3	0.78	0	0.00	0.00	0.00	-65.10	0.04	0.00	0.00
Aug-1978	8.37	0.70	0.01	0.00	0.00	0.00	-58.52	0.01	0.00	0.01
Sep-1978	6.3	0.53	0.16	0.01	0.00	0.00	-42.98	0.00	0.00	0.16
Oct-1978	4.34	0.36	0.06	0.01	0.00	0.00	-29.96	0.00	0.00	0.06
Nov-1978	2.4	0.20	3.05	0.25	0.00	2.54	2.01	2.42	0.00	3.05
Dec-1978	1.55	0.13	4.45	0.37	0.00	5.29	15.01	15.25	132.91	4.45
Jan-1979	1.55	0.13	3.99	0.33	0.00	4.32	12.76	19.95	216.23	3.99
Feb-1979	2.52	0.21	1.95	0.16	0.00	0.97	-4.96	19.35	0.00	1.95
Mar-1979	4.03	0.34	4.88	0.41	0.00	6.25	-0.30	17.92	38.57	4.88
Apr-1979	5.7	0.48	0.03	0.00	0.00	0.00	-39.69	13.88	0.00	0.03
May-1979	7.75	0.65	0.19	0.02	0.00	0.00	-52.92	1.95	0.00	0.19
Jun-1979	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.26	0.00	0.00
Jul-1979	9.3	0.78	0	0.00	0.00	0.00	-65.10	0.03	0.00	0.00
Aug-1979	8.37	0.70	0.16	0.01	0.00	0.00	-57.47	0.01	0.00	0.16
Sep-1979	6.3	0.53	0.04	0.00	0.00	0.00	-43.82	0.00	0.00	0.04
Oct-1979	4.34	0.36	0.82	0.07	0.00	0.00	-24.64	0.00	0.00	0.82
Nov-1979	2.4	0.20	0.26	0.02	0.00	0.00	-14.98	0.00	0.00	0.26
Dec-1979	1.55	0.13	0.69	0.06	0.00	0.00	-6.02	0.00	0.00	0.69
Jan-1980	1.55	0.13	11.82	0.99	0.00	25.45	46.44	20.25	662.43	11.82

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Feb-1980	2.52	0.21	8.82	0.74	0.00	16.56	27.54	20.25	594.14	8.82
Mar-1980	4.03	0.34	3.72	0.31	0.00	3.77	-5.94	20.25	0.00	3.72
Apr-1980	5.7	0.48	1.87	0.16	0.00	0.88	-27.69	6.36	0.00	1.87
May-1980	7.75	0.65	0.8	0.07	0.00	0.00	-48.65	1.18	0.00	0.80
Jun-1980	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.16	0.00	0.00
Jul-1980	9.3	0.78	0.55	0.05	0.00	0.00	-61.25	0.02	0.00	0.55
Aug-1980	8.37	0.70	0	0.00	0.00	0.00	-58.59	0.00	0.00	0.00
Sep-1980	6.3	0.53	0	0.00	0.00	0.00	-44.10	0.00	0.00	0.00
Oct-1980	4.34	0.36	0.28	0.02	0.00	0.00	-28.42	0.00	0.00	0.28
Nov-1980	2.4	0.20	0	0.00	0.00	0.00	-16.80	0.00	0.00	0.00
Dec-1980	1.55	0.13	0.54	0.05	0.00	0.00	-7.07	0.00	0.00	0.54
Jan-1981	1.55	0.13	0.91	0.08	0.00	0.00	-4.48	0.00	0.00	0.91
Feb-1981	2.52	0.21	2.64	0.22	0.00	1.88	-1.04	0.26	0.00	2.64
Mar-1981	4.03	0.34	4.22	0.35	0.00	4.79	-3.46	0.25	0.00	4.22
Apr-1981	5.7	0.48	0.8	0.07	0.00	0.00	-34.30	0.05	0.00	0.80
May-1981	7.75	0.65	0.1	0.01	0.00	0.00	-53.55	0.01	0.00	0.10
Jun-1981	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.00	0.00	0.00
Jul-1981	9.3	0.78	0.05	0.00	0.00	0.00	-64.75	0.00	0.00	0.05
Aug-1981	8.37	0.70	0.03	0.00	0.00	0.00	-58.38	0.00	0.00	0.03
Sep-1981	6.3	0.53	0.31	0.03	0.00	0.00	-41.93	0.00	0.00	0.31
Oct-1981	4.34	0.36	0.19	0.02	0.00	0.00	-29.05	0.00	0.00	0.19
Nov-1981	2.4	0.20	1.35	0.11	0.00	0.04	-7.39	0.00	0.00	1.35
Dec-1981	1.55	0.13	0.03	0.00	0.00	0.00	-10.64	0.00	0.00	0.03
Jan-1982	1.55	0.13	5.14	0.43	0.00	6.85	18.28	15.57	136.96	5.14
Feb-1982	2.52	0.21	2.15	0.18	0.00	1.20	-3.79	14.77	0.00	2.15
Mar-1982	4.03	0.34	4.3	0.36	0.00	4.96	-3.07	12.72	0.00	4.30
Apr-1982	5.7	0.48	0.82	0.07	0.00	0.00	-34.16	2.93	0.00	0.82
May-1982	7.75	0.65	0.12	0.01	0.00	0.00	-53.41	0.46	0.00	0.12
Jun-1982	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.06	0.00	0.00
Jul-1982	9.3	0.78	0.33	0.03	0.00	0.00	-62.79	0.01	0.00	0.33
Aug-1982	8.37	0.70	0.56	0.05	0.00	0.00	-54.67	0.00	0.00	0.56
Sep-1982	6.3	0.53	0.37	0.03	0.00	0.00	-41.51	0.00	0.00	0.37
Oct-1982	4.34	0.36	0.13	0.01	0.00	0.00	-29.47	0.00	0.00	0.13
Nov-1982	2.4	0.20	4.42	0.37	0.00	5.22	8.92	8.75	13.95	4.42
Dec-1982	1.55	0.13	3.44	0.29	0.00	3.24	9.99	16.12	144.83	3.44
Jan-1983	1.55	0.13	2.23	0.19	0.00	1.30	3.46	19.36	57.23	2.23
Feb-1983	2.52	0.21	4.82	0.40	0.00	6.11	9.99	20.25	218.87	4.82
Mar-1983	4.03	0.34	9.92	0.83	0.00	19.74	21.49	20.25	473.86	9.92
Apr-1983	5.7	0.48	2.23	0.19	0.00	1.30	-25.59	20.25	0.00	2.23
May-1983	7.75	0.65	0.19	0.02	0.00	0.00	-52.92	2.55	0.00	0.19
Jun-1983	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.34	0.00	0.00
Jul-1983	9.3	0.78	0.01	0.00	0.00	0.00	-65.03	0.04	0.00	0.01
Aug-1983	8.37	0.70	4.05	0.34	0.00	4.44	-34.68	0.01	0.00	4.05

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Sep-1983	6.3	0.53	0.68	0.06	0.00	0.00	-39.34	0.00	0.00	0.68
Oct-1983	4.34	0.36	1.16	0.10	0.00	0.02	-22.28	0.00	0.00	1.16
Nov-1983	2.4	0.20	2.45	0.20	0.00	1.60	-1.25	0.05	0.00	2.45
Dec-1983	1.55	0.13	3.2	0.27	0.00	2.80	8.75	8.77	3.16	3.20
Jan-1984	1.55	0.13	0.12	0.01	0.00	0.00	-10.01	6.02	0.00	0.12
Feb-1984	2.52	0.21	0	0.00	0.00	0.00	-17.64	2.45	0.00	0.00
Mar-1984	4.03	0.34	0.04	0.00	0.00	0.00	-27.93	0.80	0.00	0.04
Apr-1984	5.7	0.48	0.24	0.02	0.00	0.00	-38.22	0.22	0.00	0.24
May-1984	7.75	0.65	0	0.00	0.00	0.00	-54.25	0.04	0.00	0.00
Jun-1984	8.7	0.73	0.55	0.05	0.00	0.00	-57.05	0.01	0.00	0.55
Jul-1984	9.3	0.78	1.51	0.13	0.00	0.06	-54.59	0.00	0.00	1.51
Aug-1984	8.37	0.70	2.29	0.19	0.00	1.38	-43.94	0.00	0.00	2.29
Sep-1984	6.3	0.53	0.67	0.06	0.00	0.00	-39.41	0.00	0.00	0.67
Oct-1984	4.34	0.36	0.18	0.02	0.00	0.00	-29.12	0.00	0.00	0.18
Nov-1984	2.4	0.20	1.43	0.12	0.00	0.05	-6.84	0.00	0.00	1.43
Dec-1984	1.55	0.13	4.25	0.35	0.00	4.86	14.04	13.16	73.94	4.25
Jan-1985	1.55	0.13	0	0.00	0.00	0.00	-10.85	8.40	0.00	0.00
Feb-1985	2.52	0.21	1.59	0.13	0.00	0.07	-6.58	5.97	0.00	1.59
Mar-1985	4.03	0.34	1.46	0.12	0.00	0.05	-18.04	2.66	0.00	1.46
Apr-1985	5.7	0.48	0.27	0.02	0.00	0.00	-38.01	0.66	0.00	0.27
May-1985	7.75	0.65	0.04	0.00	0.00	0.00	-53.97	0.11	0.00	0.04
Jun-1985	8.7	0.73	0.09	0.01	0.00	0.00	-60.27	0.02	0.00	0.09
Jul-1985	9.3	0.78	1.74	0.15	0.00	0.76	-53.68	0.00	0.00	1.74
Aug-1985	8.37	0.70	0	0.00	0.00	0.00	-58.59	0.00	0.00	0.00
Sep-1985	6.3	0.53	0.33	0.03	0.00	0.00	-41.79	0.00	0.00	0.33
Oct-1985	4.34	0.36	0.69	0.06	0.00	0.00	-25.55	0.00	0.00	0.69
Nov-1985	2.4	0.20	4.53	0.38	0.00	5.46	9.45	9.19	21.09	4.53
Dec-1985	1.55	0.13	1.76	0.15	0.00	0.77	0.70	9.83	17.50	1.76
Jan-1986	1.55	0.13	0.75	0.06	0.00	0.00	-5.60	7.96	0.00	0.75
Feb-1986	2.52	0.21	3.53	0.29	0.00	3.41	3.66	10.88	69.63	3.53
Mar-1986	4.03	0.34	3.47	0.29	0.00	3.29	-7.21	9.61	0.00	3.47
Apr-1986	5.7	0.48	0.28	0.02	0.00	0.00	-37.94	1.92	0.00	0.28
May-1986	7.75	0.65	0.01	0.00	0.00	0.00	-54.18	0.29	0.00	0.01
Jun-1986	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.04	0.00	0.00
Jul-1986	9.3	0.78	0.35	0.03	0.00	0.00	-62.65	0.01	0.00	0.35
Aug-1986	8.37	0.70	0.06	0.01	0.00	0.00	-58.17	0.00	0.00	0.06
Sep-1986	6.3	0.53	1.32	0.11	0.00	0.03	-34.89	0.00	0.00	1.32
Oct-1986	4.34	0.36	2.12	0.18	0.00	1.17	-16.71	0.00	0.00	2.12
Nov-1986	2.4	0.20	0.57	0.05	0.00	0.00	-12.81	0.00	0.00	0.57
Dec-1986	1.55	0.13	0.72	0.06	0.00	0.00	-5.81	0.00	0.00	0.72
Jan-1987	1.55	0.13	1.66	0.14	0.00	0.68	0.09	0.47	0.00	1.66
Feb-1987	2.52	0.21	2.55	0.21	0.00	1.75	-1.54	0.46	0.00	2.55
Mar-1987	4.03	0.34	2.58	0.22	0.00	1.79	-11.94	0.28	0.00	2.58

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Apr-1987	5.7	0.48	0.2	0.02	0.00	0.00	-38.50	0.06	0.00	0.20
May-1987	7.75	0.65	0.08	0.01	0.00	0.00	-53.69	0.01	0.00	0.08
Jun-1987	8.7	0.73	0.01	0.00	0.00	0.00	-60.83	0.00	0.00	0.01
Jul-1987	9.3	0.78	0	0.00	0.00	0.00	-65.10	0.00	0.00	0.00
Aug-1987	8.37	0.70	0.65	0.05	0.00	0.00	-54.04	0.00	0.00	0.65
Sep-1987	6.3	0.53	0.48	0.04	0.00	0.00	-40.74	0.00	0.00	0.48
Oct-1987	4.34	0.36	3.13	0.26	0.00	2.68	-11.15	0.00	0.00	3.13
Nov-1987	2.4	0.20	2.48	0.21	0.00	1.64	-1.08	0.16	0.00	2.48
Dec-1987	1.55	0.13	1.82	0.15	0.00	0.83	1.06	1.39	0.00	1.82
Jan-1988	1.55	0.13	3.49	0.29	0.00	3.33	10.25	11.07	48.32	3.49
Feb-1988	2.52	0.21	1.94	0.16	0.00	0.96	-5.02	9.88	0.00	1.94
Mar-1988	4.03	0.34	0.72	0.06	0.00	0.00	-23.17	3.28	0.00	0.72
Apr-1988	5.7	0.48	2.48	0.21	0.00	1.64	-24.18	1.32	0.00	2.48
May-1988	7.75	0.65	0.36	0.03	0.00	0.00	-51.73	0.22	0.00	0.36
Jun-1988	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.03	0.00	0.00
Jul-1988	9.3	0.78	0.02	0.00	0.00	0.00	-64.96	0.00	0.00	0.02
Aug-1988	8.37	0.70	1.65	0.14	0.00	0.67	-47.71	0.00	0.00	1.65
Sep-1988	6.3	0.53	0	0.00	0.00	0.00	-44.10	0.00	0.00	0.00
Oct-1988	4.34	0.36	0	0.00	0.00	0.00	-30.38	0.00	0.00	0.00
Nov-1988	2.4	0.20	1.08	0.09	0.00	0.01	-9.25	0.00	0.00	1.08
Dec-1988	1.55	0.13	2.12	0.18	0.00	1.17	2.82	2.82	0.00	2.12
Jan-1989	1.55	0.13	1.05	0.09	0.00	0.01	-3.51	2.35	0.00	1.05
Feb-1989	2.52	0.21	1.18	0.10	0.00	0.02	-9.40	1.48	0.00	1.18
Mar-1989	4.03	0.34	1.65	0.14	0.00	0.67	-17.33	0.73	0.00	1.65
Apr-1989	5.7	0.48	0.21	0.02	0.00	0.00	-38.43	0.18	0.00	0.21
May-1989	7.75	0.65	0.13	0.01	0.00	0.00	-53.34	0.03	0.00	0.13
Jun-1989	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.00	0.00	0.00
Jul-1989	9.3	0.78	0	0.00	0.00	0.00	-65.10	0.00	0.00	0.00
Aug-1989	8.37	0.70	0	0.00	0.00	0.00	-58.59	0.00	0.00	0.00
Sep-1989	6.3	0.53	0.17	0.01	0.00	0.00	-42.91	0.00	0.00	0.17
Oct-1989	4.34	0.36	0.36	0.03	0.00	0.00	-27.86	0.00	0.00	0.36
Nov-1989	2.4	0.20	0.03	0.00	0.00	0.00	-16.59	0.00	0.00	0.03
Dec-1989	1.55	0.13	0.29	0.02	0.00	0.00	-8.82	0.00	0.00	0.29
Jan-1990	1.55	0.13	3.06	0.26	0.00	2.56	8.01	8.01	0.00	3.06
Feb-1990	2.52	0.21	1.78	0.15	0.00	0.79	-5.97	5.81	0.00	1.78
Mar-1990	4.03	0.34	0.7	0.06	0.00	0.00	-23.31	1.98	0.00	0.70
Apr-1990	5.7	0.48	0.99	0.08	0.00	0.01	-32.98	0.58	0.00	0.99
May-1990	7.75	0.65	0.23	0.02	0.00	0.00	-52.64	0.10	0.00	0.23
Jun-1990	8.7	0.73	0.22	0.02	0.00	0.00	-59.36	0.01	0.00	0.22
Jul-1990	9.3	0.78	0.11	0.01	0.00	0.00	-64.33	0.00	0.00	0.11
Aug-1990	8.37	0.70	0.18	0.02	0.00	0.00	-57.33	0.00	0.00	0.18
Sep-1990	6.3	0.53	0.62	0.05	0.00	0.00	-39.76	0.00	0.00	0.62
Oct-1990	4.34	0.36	0.04	0.00	0.00	0.00	-30.10	0.00	0.00	0.04

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Nov-1990	2.4	0.20	0.56	0.05	0.00	0.00	-12.88	0.00	0.00	0.56
Dec-1990	1.55	0.13	1.3	0.11	0.00	0.03	-1.78	0.00	0.00	1.30
Jan-1991	1.55	0.13	1.35	0.11	0.00	0.04	-1.44	0.00	0.00	1.35
Feb-1991	2.52	0.21	2.23	0.19	0.00	1.30	-3.33	0.00	0.00	2.23
Mar-1991	4.03	0.34	12.18	1.02	0.00	26.55	30.50	19.90	348.00	12.18
Apr-1991	5.7	0.48	0.05	0.00	0.00	0.00	-39.55	17.03	0.00	0.05
May-1991	7.75	0.65	0	0.00	0.00	0.00	-54.25	1.91	0.00	0.00
Jun-1991	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.26	0.00	0.00
Jul-1991	9.3	0.78	0.62	0.05	0.00	0.00	-60.76	0.04	0.00	0.62
Aug-1991	8.37	0.70	0	0.00	0.00	0.00	-58.59	0.01	0.00	0.00
Sep-1991	6.3	0.53	0.35	0.03	0.00	0.00	-41.65	0.00	0.00	0.35
Oct-1991	4.34	0.36	0.58	0.05	0.00	0.00	-26.32	0.00	0.00	0.58
Nov-1991	2.4	0.20	0.3	0.03	0.00	0.00	-14.70	0.00	0.00	0.30
Dec-1991	1.55	0.13	2.83	0.24	0.00	2.18	6.78	6.78	0.00	2.83
Jan-1992	1.55	0.13	3.24	0.27	0.00	2.87	8.96	14.22	105.75	3.24
Feb-1992	2.52	0.21	5.05	0.42	0.00	6.64	11.07	19.55	185.70	5.05
Mar-1992	4.03	0.34	4.94	0.41	0.00	6.39	-0.02	19.41	43.05	4.94
Apr-1992	5.7	0.48	0.68	0.06	0.00	0.00	-35.14	14.15	0.00	0.68
May-1992	7.75	0.65	0.23	0.02	0.00	0.00	-52.64	2.01	0.00	0.23
Jun-1992	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.27	0.00	0.00
Jul-1992	9.3	0.78	0.75	0.06	0.00	0.00	-59.85	0.04	0.00	0.75
Aug-1992	8.37	0.70	2.05	0.17	0.00	1.08	-45.32	0.01	0.00	2.05
Sep-1992	6.3	0.53	0	0.00	0.00	0.00	-44.10	0.00	0.00	0.00
Oct-1992	4.34	0.36	0.24	0.02	0.00	0.00	-28.70	0.00	0.00	0.24
Nov-1992	2.4	0.20	0.06	0.01	0.00	0.00	-16.38	0.00	0.00	0.06
Dec-1992	1.55	0.13	4.04	0.34	0.00	4.42	13.01	12.30	60.01	4.04
Jan-1993	1.55	0.13	18.61	1.55	0.00	47.02	72.40	20.25	1420.32	18.61
Feb-1993	2.52	0.21	6.51	0.54	0.00	10.24	17.69	20.25	387.91	6.51
Mar-1993	4.03	0.34	1.53	0.13	0.00	0.06	-17.56	20.25	0.00	1.53
Apr-1993	5.7	0.48	0	0.00	0.00	0.00	-39.90	4.00	0.00	0.00
May-1993	7.75	0.65	0.12	0.01	0.00	0.00	-53.41	0.66	0.00	0.12
Jun-1993	8.7	0.73	0.16	0.01	0.00	0.00	-59.78	0.09	0.00	0.16
Jul-1993	9.3	0.78	0	0.00	0.00	0.00	-65.10	0.01	0.00	0.00
Aug-1993	8.37	0.70	0	0.00	0.00	0.00	-58.59	0.00	0.00	0.00
Sep-1993	6.3	0.53	0	0.00	0.00	0.00	-44.10	0.00	0.00	0.00
Oct-1993	4.34	0.36	0.3	0.03	0.00	0.00	-28.28	0.00	0.00	0.30
Nov-1993	2.4	0.20	1.49	0.12	0.00	0.06	-6.43	0.00	0.00	1.49
Dec-1993	1.55	0.13	1.16	0.10	0.00	0.02	-2.75	0.00	0.00	1.16
Jan-1994	1.55	0.13	1.7	0.14	0.00	0.72	0.33	0.66	0.00	1.70
Feb-1994	2.52	0.21	4.14	0.35	0.00	4.63	6.71	7.37	0.00	4.14
Mar-1994	4.03	0.34	3.14	0.26	0.00	2.70	-8.93	4.93	0.00	3.14
Apr-1994	5.7	0.48	1.35	0.11	0.00	0.04	-30.49	1.36	0.00	1.35
May-1994	7.75	0.65	0	0.00	0.00	0.00	-54.25	0.21	0.00	0.00

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Jun-1994	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.03	0.00	0.00
Jul-1994	9.3	0.78	0	0.00	0.00	0.00	-65.10	0.00	0.00	0.00
Aug-1994	8.37	0.70	1.22	0.10	0.00	0.02	-50.07	0.00	0.00	1.22
Sep-1994	6.3	0.53	0	0.00	0.00	0.00	-44.10	0.00	0.00	0.00
Oct-1994	4.34	0.36	0.19	0.02	0.00	0.00	-29.05	0.00	0.00	0.19
Nov-1994	2.4	0.20	0.68	0.06	0.00	0.00	-12.04	0.00	0.00	0.68
Dec-1994	1.55	0.13	0.97	0.08	0.00	0.00	-4.06	0.00	0.00	0.97
Jan-1995	1.55	0.13	10.12	0.84	0.00	20.33	39.66	20.25	521.68	10.12
Feb-1995	2.52	0.21	3.28	0.27	0.00	2.94	2.38	20.25	67.79	3.28
Mar-1995	4.03	0.34	6.63	0.55	0.00	10.55	7.65	20.25	184.82	6.63
Apr-1995	5.7	0.48	1.26	0.11	0.00	0.03	-31.11	20.25	0.00	1.26
May-1995	7.75	0.65	1.1	0.09	0.00	0.01	-46.56	3.17	0.00	1.10
Jun-1995	8.7	0.73	0.48	0.04	0.00	0.00	-57.54	0.47	0.00	0.48
Jul-1995	9.3	0.78	0.06	0.01	0.00	0.00	-64.68	0.06	0.00	0.06
Aug-1995	8.37	0.70	0.64	0.05	0.00	0.00	-54.11	0.01	0.00	0.64
Sep-1995	6.3	0.53	0.28	0.02	0.00	0.00	-42.14	0.00	0.00	0.28
Oct-1995	4.34	0.36	0	0.00	0.00	0.00	-30.38	0.00	0.00	0.00
Nov-1995	2.4	0.20	0.08	0.01	0.00	0.00	-16.24	0.00	0.00	0.08
Dec-1995	1.55	0.13	0.57	0.05	0.00	0.00	-6.86	0.00	0.00	0.57
Jan-1996	1.55	0.13	1.54	0.13	0.00	0.06	-0.13	0.00	0.00	1.54
Feb-1996	2.52	0.21	3.2	0.27	0.00	2.80	1.96	2.43	0.00	3.20
Mar-1996	4.03	0.34	2.76	0.23	0.00	2.06	-10.95	1.52	0.00	2.76
Apr-1996	5.7	0.48	0.53	0.04	0.00	0.00	-36.19	0.35	0.00	0.53
May-1996	7.75	0.65	0.07	0.01	0.00	0.00	-53.76	0.06	0.00	0.07
Jun-1996	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.01	0.00	0.00
Jul-1996	9.3	0.78	0	0.00	0.00	0.00	-65.10	0.00	0.00	0.00
Aug-1996	8.37	0.70	0.07	0.01	0.00	0.00	-58.10	0.00	0.00	0.07
Sep-1996	6.3	0.53	0.03	0.00	0.00	0.00	-43.89	0.00	0.00	0.03
Oct-1996	4.34	0.36	1.56	0.13	0.00	0.07	-19.53	0.00	0.00	1.56
Nov-1996	2.4	0.20	0.92	0.08	0.00	0.00	-10.36	0.00	0.00	0.92
Dec-1996	1.55	0.13	1.98	0.17	0.00	1.00	2.01	2.01	0.00	1.98
Jan-1997	1.55	0.13	4.33	0.36	0.00	5.03	14.43	14.70	114.73	4.33
Feb-1997	2.52	0.21	1.53	0.13	0.00	0.06	-6.99	11.76	0.00	1.53
Mar-1997	4.03	0.34	0.02	0.00	0.00	0.00	-28.07	3.27	0.00	0.02
Apr-1997	5.7	0.48	0.22	0.02	0.00	0.00	-38.36	0.81	0.00	0.22
May-1997	7.75	0.65	0	0.00	0.00	0.00	-54.25	0.13	0.00	0.00
Jun-1997	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.02	0.00	0.00
Jul-1997	9.3	0.78	0	0.00	0.00	0.00	-65.10	0.00	0.00	0.00
Aug-1997	8.37	0.70	0.07	0.01	0.00	0.00	-58.10	0.00	0.00	0.07
Sep-1997	6.3	0.53	1.93	0.16	0.00	0.95	-31.54	0.00	0.00	1.93
Oct-1997	4.34	0.36	0.16	0.01	0.00	0.00	-29.26	0.00	0.00	0.16
Nov-1997	2.4	0.20	1.75	0.15	0.00	0.77	-5.32	0.00	0.00	1.75
Dec-1997	1.55	0.13	4.21	0.35	0.00	4.77	13.85	12.99	71.31	4.21

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Jan-1998	1.55	0.13	1.6	0.13	0.00	0.07	0.28	13.24	4.18	1.60
Feb-1998	2.52	0.21	10.37	0.86	0.00	21.07	33.88	20.25	636.35	10.37
Mar-1998	4.03	0.34	4.4	0.37	0.00	5.18	-2.59	20.25	2.09	4.40
Apr-1998	5.7	0.48	2.35	0.20	0.00	1.46	-24.91	15.05	0.00	2.35
May-1998	7.75	0.65	1.17	0.10	0.00	0.02	-46.08	2.67	0.00	1.17
Jun-1998	8.7	0.73	0.02	0.00	0.00	0.00	-60.76	0.36	0.00	0.02
Jul-1998	9.3	0.78	0.1	0.01	0.00	0.00	-64.40	0.05	0.00	0.10
Aug-1998	8.37	0.70	0.2	0.02	0.00	0.00	-57.19	0.01	0.00	0.20
Sep-1998	6.3	0.53	0.2	0.02	0.00	0.00	-42.70	0.00	0.00	0.20
Oct-1998	4.34	0.36	0.03	0.00	0.00	0.00	-30.17	0.00	0.00	0.03
Nov-1998	2.4	0.20	1.17	0.10	0.00	0.02	-8.63	0.00	0.00	1.17
Dec-1998	1.55	0.13	1.42	0.12	0.00	0.05	-0.96	0.00	0.00	1.42
Jan-1999	1.55	0.13	1.66	0.14	0.00	0.68	0.09	0.47	0.00	1.66
Feb-1999	2.52	0.21	0.83	0.07	0.00	0.00	-11.83	0.26	0.00	0.83
Mar-1999	4.03	0.34	0.62	0.05	0.00	0.00	-23.87	0.10	0.00	0.62
Apr-1999	5.7	0.48	3.31	0.28	0.00	3.00	-19.73	0.05	0.00	3.31
May-1999	7.75	0.65	0	0.00	0.00	0.00	-54.25	0.01	0.00	0.00
Jun-1999	8.7	0.73	0.46	0.04	0.00	0.00	-57.68	0.00	0.00	0.46
Jul-1999	9.3	0.78	0.36	0.03	0.00	0.00	-62.58	0.00	0.00	0.36
Aug-1999	8.37	0.70	0	0.00	0.00	0.00	-58.59	0.00	0.00	0.00
Sep-1999	6.3	0.53	0.14	0.01	0.00	0.00	-43.12	0.00	0.00	0.14
Oct-1999	4.34	0.36	0	0.00	0.00	0.00	-30.38	0.00	0.00	0.00
Nov-1999	2.4	0.20	0	0.00	0.00	0.00	-16.80	0.00	0.00	0.00
Dec-1999	1.55	0.13	0.21	0.02	0.00	0.00	-9.38	0.00	0.00	0.21
Jan-2000	1.55	0.13	0.75	0.06	0.00	0.00	-5.60	0.00	0.00	0.75
Feb-2000	2.52	0.21	4.2	0.35	0.00	4.75	7.01	7.01	0.00	4.20
Mar-2000	4.03	0.34	1.47	0.12	0.00	0.05	-17.97	2.89	0.00	1.47
Apr-2000	5.7	0.48	0.46	0.04	0.00	0.00	-36.68	0.70	0.00	0.46
May-2000	7.75	0.65	0	0.00	0.00	0.00	-54.25	0.11	0.00	0.00
Jun-2000	8.7	0.73	0.21	0.02	0.00	0.00	-59.43	0.02	0.00	0.21
Jul-2000	9.3	0.78	0	0.00	0.00	0.00	-65.10	0.00	0.00	0.00
Aug-2000	8.37	0.70	0.13	0.01	0.00	0.00	-57.68	0.00	0.00	0.13
Sep-2000	6.3	0.53	0.3	0.03	0.00	0.00	-42.00	0.00	0.00	0.30
Oct-2000	4.34	0.36	0.65	0.05	0.00	0.00	-25.83	0.00	0.00	0.65
Nov-2000	2.4	0.20	0.39	0.03	0.00	0.00	-14.07	0.00	0.00	0.39
Dec-2000	1.55	0.13	0.04	0.00	0.00	0.00	-10.57	0.00	0.00	0.04
Jan-2001	1.55	0.13	2.92	0.24	0.00	2.32	7.27	7.27	0.00	2.92
Feb-2001	2.52	0.21	4.12	0.34	0.00	4.58	6.62	12.70	91.56	4.12
Mar-2001	4.03	0.34	1.76	0.15	0.00	0.77	-16.66	8.47	0.00	1.76
Apr-2001	5.7	0.48	1.45	0.12	0.00	0.05	-29.80	2.16	0.00	1.45
May-2001	7.75	0.65	0.03	0.00	0.00	0.00	-54.04	0.30	0.00	0.03
Jun-2001	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.04	0.00	0.00
Jul-2001	9.3	0.78	0.12	0.01	0.00	0.00	-64.26	0.01	0.00	0.12

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Aug-2001	8.37	0.70	0	0.00	0.00	0.00	-58.59	0.00	0.00	0.00
Sep-2001	6.3	0.53	0.24	0.02	0.00	0.00	-42.42	0.00	0.00	0.24
Oct-2001	4.34	0.36	0	0.00	0.00	0.00	-30.38	0.00	0.00	0.00
Nov-2001	2.4	0.20	1.11	0.09	0.00	0.01	-9.04	0.00	0.00	1.11
Dec-2001	1.55	0.13	1.02	0.09	0.00	0.01	-3.72	0.00	0.00	1.02
Jan-2002	1.55	0.13	0.4	0.03	0.00	0.00	-8.05	0.00	0.00	0.40
Feb-2002	2.52	0.21	0.12	0.01	0.00	0.00	-16.80	0.00	0.00	0.12
Mar-2002	4.03	0.34	1.12	0.09	0.00	0.01	-20.38	0.00	0.00	1.12
Apr-2002	5.7	0.48	0.39	0.03	0.00	0.00	-37.17	0.00	0.00	0.39
May-2002	7.75	0.65	0	0.00	0.00	0.00	-54.25	0.00	0.00	0.00
Jun-2002	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.00	0.00	0.00
Jul-2002	9.3	0.78	0.19	0.02	0.00	0.00	-63.77	0.00	0.00	0.19
Aug-2002	8.37	0.70	0	0.00	0.00	0.00	-58.59	0.00	0.00	0.00
Sep-2002	6.3	0.53	1.16	0.10	0.00	0.02	-36.00	0.00	0.00	1.16
Oct-2002	4.34	0.36	0.03	0.00	0.00	0.00	-30.17	0.00	0.00	0.03
Nov-2002	2.4	0.20	1.04	0.09	0.00	0.01	-9.53	0.00	0.00	1.04
Dec-2002	1.55	0.13	1.86	0.16	0.00	0.87	1.30	1.42	0.00	1.86
Jan-2003	1.55	0.13	0.18	0.02	0.00	0.00	-9.59	0.89	0.00	0.18
Feb-2003	2.52	0.21	4.09	0.34	0.00	4.52	6.47	7.36	0.00	4.09
Mar-2003	4.03	0.34	2.2	0.18	0.00	1.27	-14.08	3.82	0.00	2.20
Apr-2003	5.7	0.48	1.55	0.13	0.00	0.06	-29.11	1.18	0.00	1.55
May-2003	7.75	0.65	0.91	0.08	0.00	0.00	-47.88	0.23	0.00	0.91
Jun-2003	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.03	0.00	0.00
Jul-2003	9.3	0.78	1.93	0.16	0.00	0.95	-52.54	0.01	0.00	1.93
Aug-2003	8.37	0.70	1.49	0.12	0.00	0.06	-48.22	0.00	0.00	1.49
Sep-2003	6.3	0.53	0.38	0.03	0.00	0.00	-41.44	0.00	0.00	0.38
Oct-2003	4.34	0.36	0	0.00	0.00	0.00	-30.38	0.00	0.00	0.00
Nov-2003	2.4	0.20	0.55	0.05	0.00	0.00	-12.95	0.00	0.00	0.55
Dec-2003	1.55	0.13	1.26	0.11	0.00	0.03	-2.06	0.00	0.00	1.26
Jan-2004	1.55	0.13	0.68	0.06	0.00	0.00	-6.09	0.00	0.00	0.68
Feb-2004	2.52	0.21	4.45	0.37	0.00	5.29	8.22	8.15	5.86	4.45
Mar-2004	4.03	0.34	0.66	0.06	0.00	0.00	-23.59	3.96	0.00	0.66
Apr-2004	5.7	0.48	1.33	0.11	0.00	0.03	-30.62	0.89	0.00	1.33
May-2004	7.75	0.65	0	0.00	0.00	0.00	-54.25	0.13	0.00	0.00
Jun-2004	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.02	0.00	0.00
Jul-2004	9.3	0.78	0.14	0.01	0.00	0.00	-64.12	0.00	0.00	0.14
Aug-2004	8.37	0.70	0.01	0.00	0.00	0.00	-58.52	0.00	0.00	0.01
Sep-2004	6.3	0.53	0	0.00	0.00	0.00	-44.10	0.00	0.00	0.00
Oct-2004	4.34	0.36	8.59	0.72	0.00	15.90	13.85	12.54	96.51	8.59
Nov-2004	2.4	0.20	1.08	0.09	0.00	0.01	-9.25	9.82	0.00	1.08
Dec-2004	1.55	0.13	4.74	0.40	0.00	5.93	16.40	19.39	243.95	4.74
Jan-2005	1.55	0.13	5.17	0.43	0.00	6.92	18.42	20.25	378.22	5.17
Feb-2005	2.52	0.21	4.89	0.41	0.00	6.27	10.32	20.25	232.54	4.89

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Mar-2005	4.03	0.34	1.6	0.13	0.00	0.07	-17.08	20.25	0.00	1.60
Apr-2005	5.7	0.48	0.58	0.05	0.00	0.00	-35.84	4.63	0.00	0.58
May-2005	7.75	0.65	0.04	0.00	0.00	0.00	-53.97	0.74	0.00	0.04
Jun-2005	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.10	0.00	0.00
Jul-2005	9.3	0.78	0.47	0.04	0.00	0.00	-61.81	0.01	0.00	0.47
Aug-2005	8.37	0.70	2.53	0.21	0.00	1.72	-42.60	0.00	0.00	2.53
Sep-2005	6.3	0.53	0.01	0.00	0.00	0.00	-44.03	0.00	0.00	0.01
Oct-2005	4.34	0.36	0.62	0.05	0.00	0.00	-26.04	0.00	0.00	0.62
Nov-2005	2.4	0.20	0.11	0.01	0.00	0.00	-16.03	0.00	0.00	0.11
Dec-2005	1.55	0.13	0	0.00	0.00	0.00	-10.85	0.00	0.00	0.00
Jan-2006	1.55	0.13	0.99	0.08	0.00	0.01	-3.93	0.00	0.00	0.99
Feb-2006	2.52	0.21	1.3	0.11	0.00	0.03	-8.57	0.00	0.00	1.30
Mar-2006	4.03	0.34	0	0.00	0.00	0.00	-28.21	0.00	0.00	0.00
Apr-2006	5.7	0.48	2.25	0.19	0.00	1.33	-25.48	0.00	0.00	2.25
May-2006	7.75	0.65	0.22	0.02	0.00	0.00	-52.71	0.00	0.00	0.22
Jun-2006	8.7	0.73	0.16	0.01	0.00	0.00	-59.78	0.00	0.00	0.16
Jul-2006	9.3	0.78	0.52	0.04	0.00	0.00	-61.46	0.00	0.00	0.52
Aug-2006	8.37	0.70	0.03	0.00	0.00	0.00	-58.38	0.00	0.00	0.03
Sep-2006	6.3	0.53	0.07	0.01	0.00	0.00	-43.61	0.00	0.00	0.07
Oct-2006	4.34	0.36	0.36	0.03	0.00	0.00	-27.86	0.00	0.00	0.36
Nov-2006	2.4	0.20	0.17	0.01	0.00	0.00	-15.61	0.00	0.00	0.17
Dec-2006	1.55	0.13	1.19	0.10	0.00	0.02	-2.54	0.00	0.00	1.19
Jan-2007	1.55	0.13	0.75	0.06	0.00	0.00	-5.60	0.00	0.00	0.75
Feb-2007	2.52	0.21	3.08	0.26	0.00	2.59	1.33	1.94	0.00	3.08
Mar-2007	4.03	0.34	0.22	0.02	0.00	0.00	-26.67	0.58	0.00	0.22
Apr-2007	5.7	0.48	0.77	0.06	0.00	0.00	-34.51	0.16	0.00	0.77
May-2007	7.75	0.65	0.04	0.00	0.00	0.00	-53.97	0.03	0.00	0.04
Jun-2007	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.00	0.00	0.00
Jul-2007	9.3	0.78	0.18	0.02	0.00	0.00	-63.84	0.00	0.00	0.18
Aug-2007	8.37	0.70	0	0.00	0.00	0.00	-58.59	0.00	0.00	0.00
Sep-2007	6.3	0.53	0	0.00	0.00	0.00	-44.10	0.00	0.00	0.00
Oct-2007	4.34	0.36	0.17	0.01	0.00	0.00	-29.19	0.00	0.00	0.17
Nov-2007	2.4	0.20	0.32	0.03	0.00	0.00	-14.56	0.00	0.00	0.32
Dec-2007	1.55	0.13	2.68	0.22	0.00	1.94	5.97	5.97	0.00	2.68
Jan-2008	1.55	0.13	7.29	0.61	0.00	12.30	27.88	20.25	409.36	7.29
Feb-2008	2.52	0.21	2.45	0.20	0.00	1.60	-2.09	20.25	0.00	2.45
Mar-2008	4.03	0.34	0.51	0.04	0.00	0.00	-24.64	7.02	0.00	0.51
Apr-2008	5.7	0.48	0	0.00	0.00	0.00	-39.90	1.72	0.00	0.00
May-2008	7.75	0.65	0.26	0.02	0.00	0.00	-52.43	0.31	0.00	0.26
Jun-2008	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.04	0.00	0.00
Jul-2008	9.3	0.78	0	0.00	0.00	0.00	-65.10	0.01	0.00	0.00
Aug-2008	8.37	0.70	1.35	0.11	0.00	0.04	-49.18	0.00	0.00	1.35
Sep-2008	6.3	0.53	0	0.00	0.00	0.00	-44.10	0.00	0.00	0.00

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Oct-2008	4.34	0.36	0	0.00	0.00	0.00	-30.38	0.00	0.00	0.00
Nov-2008	2.4	0.20	1.8	0.15	0.00	0.81	-5.01	0.00	0.00	1.80
Dec-2008	1.55	0.13	6.2	0.52	0.00	9.45	23.10	17.74	212.70	6.20
Jan-2009	1.55	0.13	0.2	0.02	0.00	0.00	-9.45	14.91	0.00	0.20
Feb-2009	2.52	0.21	3.7	0.31	0.00	3.73	4.53	17.41	82.52	3.70
Mar-2009	4.03	0.34	0.09	0.01	0.00	0.00	-27.58	11.28	0.00	0.09
Apr-2009	5.7	0.48	0.24	0.02	0.00	0.00	-38.22	1.65	0.00	0.24
May-2009	7.75	0.65	0	0.00	0.00	0.00	-54.25	0.23	0.00	0.00
Jun-2009	8.7	0.73	0.03	0.00	0.00	0.00	-60.69	0.03	0.00	0.03
Jul-2009	9.3	0.78	0	0.00	0.00	0.00	-65.10	0.00	0.00	0.00
Aug-2009	8.37	0.70	0	0.00	0.00	0.00	-58.59	0.00	0.00	0.00
Sep-2009	6.3	0.53	0.03	0.00	0.00	0.00	-43.89	0.00	0.00	0.03
Oct-2009	4.34	0.36	0.03	0.00	0.00	0.00	-30.17	0.00	0.00	0.03
Nov-2009	2.4	0.20	0.7	0.06	0.00	0.00	-11.90	0.00	0.00	0.70
Dec-2009	1.55	0.13	4.86	0.41	0.00	6.20	16.97	14.97	116.30	4.86
Jan-2010	1.55	0.13	6.6	0.55	0.00	10.48	24.87	20.25	463.87	6.60
Feb-2010	2.52	0.21	5.13	0.43	0.00	6.83	11.44	20.25	256.31	5.13
Mar-2010	4.03	0.34	1.37	0.11	0.00	0.04	-18.66	20.25	0.00	1.37
Apr-2010	5.7	0.48	2.35	0.20	0.00	1.46	-24.91	7.11	0.00	2.35
May-2010	7.75	0.65	0	0.00	0.00	0.00	-54.25	1.09	0.00	0.00
Jun-2010	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.15	0.00	0.00
Jul-2010	9.3	0.78	0.07	0.01	0.00	0.00	-64.61	0.02	0.00	0.07
Aug-2010	8.37	0.70	0	0.00	0.00	0.00	-58.59	0.00	0.00	0.00
Sep-2010	6.3	0.53	0.08	0.01	0.00	0.00	-43.54	0.00	0.00	0.08
Oct-2010	4.34	0.36	3.22	0.27	0.00	2.84	-10.68	0.00	0.00	3.22
Nov-2010	2.4	0.20	1.19	0.10	0.00	0.02	-8.49	0.00	0.00	1.19
Dec-2010	1.55	0.13	8.22	0.69	0.00	14.86	31.83	20.23	359.24	8.22
Jan-2011	1.55	0.13	0.48	0.04	0.00	0.00	-7.49	19.29	0.00	0.48
Feb-2011	2.52	0.21	6.05	0.50	0.00	9.07	15.64	20.25	322.90	6.05
Mar-2011	4.03	0.34	2.19	0.18	0.00	1.25	-14.13	20.25	0.00	2.19
Apr-2011	5.7	0.48	0.59	0.05	0.00	0.00	-35.77	4.64	0.00	0.59
May-2011	7.75	0.65	0.72	0.06	0.00	0.00	-49.21	0.87	0.00	0.72
Jun-2011	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.12	0.00	0.00
Jul-2011	9.3	0.78	0.22	0.02	0.00	0.00	-63.56	0.02	0.00	0.22
Aug-2011	8.37	0.70	1.28	0.11	0.00	0.03	-49.66	0.00	0.00	1.28
Sep-2011	6.3	0.53	0.22	0.02	0.00	0.00	-42.56	0.00	0.00	0.22
Oct-2011	4.34	0.36	0.64	0.05	0.00	0.00	-25.90	0.00	0.00	0.64
Nov-2011	2.4	0.20	3.39	0.28	0.00	3.15	3.78	3.81	0.00	3.39
Dec-2011	1.55	0.13	1.62	0.14	0.00	0.07	0.42	4.23	0.00	1.62
Jan-2012	1.55	0.13	0.73	0.06	0.00	0.00	-5.74	3.15	0.00	0.73
Feb-2012	2.52	0.21	2.01	0.17	0.00	1.04	-4.61	2.62	0.00	2.01
Mar-2012	4.03	0.34	2.88	0.24	0.00	2.26	-10.31	1.75	0.00	2.88
Apr-2012	5.7	0.48	2.85	0.24	0.00	2.21	-22.16	0.77	0.00	2.85

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May-2012	7.75	0.65	0	0.00	0.00	0.00	-54.25	0.12	0.00	0.00
Jun-2012	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.02	0.00	0.00
Jul-2012	9.3	0.78	0.39	0.03	0.00	0.00	-62.37	0.00	0.00	0.39
Aug-2012	8.37	0.70	0.67	0.06	0.00	0.00	-53.90	0.00	0.00	0.67
Sep-2012	6.3	0.53	0.59	0.05	0.00	0.00	-39.97	0.00	0.00	0.59
Oct-2012	4.34	0.36	0.37	0.03	0.00	0.00	-27.79	0.00	0.00	0.37
Nov-2012	2.4	0.20	0.59	0.05	0.00	0.00	-12.67	0.00	0.00	0.59
Dec-2012	1.55	0.13	2.74	0.23	0.00	2.03	6.30	6.30	0.00	2.74
Jan-2013	1.55	0.13	2.29	0.19	0.00	1.38	3.80	9.75	28.47	2.29
Feb-2013	2.52	0.21	1.52	0.13	0.00	0.06	-7.06	9.76	0.00	1.52
Mar-2013	4.03	0.34	1.78	0.15	0.00	0.79	-16.54	3.78	0.00	1.78
Apr-2013	5.7	0.48	0.02	0.00	0.00	0.00	-39.76	0.74	0.00	0.02
May-2013	7.75	0.65	0.52	0.04	0.00	0.00	-50.61	0.13	0.00	0.52
Jun-2013	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.02	0.00	0.00
Jul-2013	9.3	0.78	0.27	0.02	0.00	0.00	-63.21	0.00	0.00	0.27
Aug-2013	8.37	0.70	0.15	0.01	0.00	0.00	-57.54	0.00	0.00	0.15
Sep-2013	6.3	0.53	2.34	0.20	0.00	1.45	-29.17	0.00	0.00	2.34
Oct-2013	4.34	0.36	1.16	0.10	0.00	0.02	-22.28	0.00	0.00	1.16
Nov-2013	2.4	0.20	0.87	0.07	0.00	0.00	-10.71	0.00	0.00	0.87
Dec-2013	1.55	0.13	0.78	0.07	0.00	0.00	-5.39	0.00	0.00	0.78
Jan-2014	1.55	0.13	0.12	0.01	0.00	0.00	-10.01	0.00	0.00	0.12
Feb-2014	2.52	0.21	1.52	0.13	0.00	0.06	-7.06	0.00	0.00	1.52
Mar-2014	4.03	0.34	1.27	0.11	0.00	0.03	-19.35	0.00	0.00	1.27
Apr-2014	5.7	0.48	1.08	0.09	0.00	0.01	-32.35	0.00	0.00	1.08
May-2014	7.75	0.65	0.01	0.00	0.00	0.00	-54.18	0.00	0.00	0.01
Jun-2014	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.00	0.00	0.00
Jul-2014	9.3	0.78	0.18	0.02	0.00	0.00	-63.84	0.00	0.00	0.18
Aug-2014	8.37	0.70	0.56	0.05	0.00	0.00	-54.67	0.00	0.00	0.56
Sep-2014	6.3	0.53	0.57	0.05	0.00	0.00	-40.11	0.00	0.00	0.57
Oct-2014	4.34	0.36	0	0.00	0.00	0.00	-30.38	0.00	0.00	0.00
Nov-2014	2.4	0.20	0.38	0.03	0.00	0.00	-14.14	0.00	0.00	0.38
Dec-2014	1.55	0.13	4.15	0.35	0.00	4.65	13.55	12.75	67.33	4.15
Jan-2015	1.55	0.13	0.48	0.04	0.00	0.00	-7.49	9.28	0.00	0.48
Feb-2015	2.52	0.21	1.07	0.09	0.00	0.01	-10.16	5.52	0.00	1.07
Mar-2015	4.03	0.34	1.74	0.15	0.00	0.76	-16.79	2.70	0.00	1.74
Apr-2015	5.7	0.48	0.44	0.04	0.00	0.00	-36.82	0.70	0.00	0.44
May-2015	7.75	0.65	2.61	0.22	0.00	1.83	-37.81	0.21	0.00	2.61
Jun-2015	8.7	0.73	0.69	0.06	0.00	0.00	-56.07	0.03	0.00	0.69
Jul-2015	9.3	0.78	0.46	0.04	0.00	0.00	-61.88	0.00	0.00	0.46
Aug-2015	8.37	0.70	0.02	0.00	0.00	0.00	-58.45	0.00	0.00	0.02
Sep-2015	6.3	0.53	0.76	0.06	0.00	0.00	-38.78	0.00	0.00	0.76
Oct-2015	4.34	0.36	1.09	0.09	0.00	0.01	-22.76	0.00	0.00	1.09
Nov-2015	2.4	0.20	1.04	0.09	0.00	0.01	-9.53	0.00	0.00	1.04

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Dec-2015	1.55	0.13	2.03	0.17	0.00	1.06	2.30	2.30	0.00	2.03
Jan-2016	1.55	0.13	4.3	0.36	0.00	4.96	14.29	14.80	116.78	4.30
Feb-2016	2.52	0.21	0.82	0.07	0.00	0.00	-11.90	13.11	0.00	0.82
Mar-2016	4.03	0.34	1.05	0.09	0.00	0.01	-20.87	5.24	0.00	1.05
Apr-2016	5.7	0.48	1.9	0.16	0.00	0.92	-27.52	1.90	0.00	1.90
May-2016	7.75	0.65	0.19	0.02	0.00	0.00	-52.92	0.31	0.00	0.19
Jun-2016	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.04	0.00	0.00
Jul-2016	9.3	0.78	0	0.00	0.00	0.00	-65.10	0.01	0.00	0.00
Aug-2016	8.37	0.70	0	0.00	0.00	0.00	-58.59	0.00	0.00	0.00
Sep-2016	6.3	0.53	1.13	0.09	0.00	0.01	-36.20	0.00	0.00	1.13
Oct-2016	4.34	0.36	0.1	0.01	0.00	0.00	-29.68	0.00	0.00	0.10
Nov-2016	2.4	0.20	1.2	0.10	0.00	0.02	-8.42	0.00	0.00	1.20
Dec-2016	1.55	0.13	4.87	0.41	0.00	6.23	17.01	14.99	117.04	4.87
Jan-2017	1.55	0.13	8.87	0.74	0.00	16.70	34.54	20.25	666.35	8.87
Feb-2017	2.52	0.21	5.09	0.42	0.00	6.74	11.25	20.25	252.37	5.09
Mar-2017	4.03	0.34	0.13	0.01	0.00	0.00	-27.30	20.25	0.00	0.13
Apr-2017	5.7	0.48	0	0.00	0.00	0.00	-39.90	4.00	0.00	0.00
May-2017	7.75	0.65	1.11	0.09	0.00	0.01	-46.49	0.83	0.00	1.11
Jun-2017	8.7	0.73	0	0.00	0.00	0.00	-60.90	0.11	0.00	0.00
Jul-2017	9.3	0.78	0.18	0.02	0.00	0.00	-63.84	0.01	0.00	0.18
Aug-2017	8.37	0.70	0	0.00	0.00	0.00	-58.59	0.00	0.00	0.00
Sep-2017	6.3	0.53	0.23	0.02	0.00	0.00	-42.49	0.00	0.00	0.23
Oct-2017	4.34	0.36	0.01	0.00	0.00	0.00	-30.31	0.00	0.00	0.01
Nov-2017	2.4	0.20	0.41	0.03	0.00	0.00	-13.93	0.00	0.00	0.41
Dec-2017	1.55	0.13	0.02	0.00	0.00	0.00	-10.71	0.00	0.00	0.02

