Half Moon Bay Terrace Groundwater Basin Watershed Hydrogeologic Report

Half Moon Bay, California

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Prepared for:

Coastside County Water District

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Executive Summary

This hydrogeologic report supporting a feasibility study related to proposed water recycling by Coastside County Water District (Coastside CWD) was prepared by Roux Associates, Inc. (Roux) on behalf of Water Works Engineers (WWE), the prime contractor for the feasibility study. The report covers conditions within the watershed of the Half Moon Bay Terrace Groundwater Basin (Groundwater Basin Number 2-22).

The goal of the overall project is to identify a preferred project for recycled water use within the Coastside CWD service area. Recycled water would serve as a supplemental source of water supply to meet Coastside CWD's anticipated future needs and reduce dependency during drought periods on water imported through the San Francisco Public Utilities Commission's (SFPUC's) Regional Water System (RWS), for example Crystal Springs Reservoir.

Currently, Coastside CWD gets water from the following sources: (1) imported water from SFPUC (Crystal Springs Reservoir and Pilarcitos Reservoir); (2) local surface water (e.g., Pilarcitos Creek); and (3) groundwater. While these sources are anticipated to be sufficient to meet existing and future water demands in normal years, significant water-supply shortages may occur during periods of drought. The addition of recycled water would both diversify and supplement the water portfolio available to Coastside CWD.

Three alternatives are being considered for recycled water including non-potable reuse, indirect potable reuse, and direct potable reuse. For the non-potable reuse option, recycled water could be used at a new fill station, habitat restoration, and/or landscape irrigation. For the indirect potable reuse option, recycled water could serve to replenish the groundwater aquifer or could be used for surface water augmentation. For the direct potable reuse option, this would involve introducing the recycled water back to the existing potable water system.

For this report, the study area is within the Half Moon Bay Terrace Groundwater Basin (groundwater basin) and surrounding Pilarcitos Creek Watershed (watershed for the groundwater basin).[1] This area will be referred to as the "Half Moon Bay Terrace Groundwater Basin Watershed" or "Project Area" throughout this report (Figure 1.1).

Roux has prepared this technical report which not only provides a primer on key groundwater concepts that relate to the Proposed Recycled Water Project, but also provides a description of the proposed project and conceptual groundwater model of the Half Moon Bay Terrace Groundwater Basin Watershed. The technical report focuses on areas affected by the Proposed Recycled Water Project inclusive of surface water characteristics, water rights/uses, groundwater inflows and outflows, hydraulic characteristics of groundwater units, storage characteristics, permitting requirements, and the identification of data gaps, and recommendations.

The recommendations not only include alternative-specific technical considerations, regulatory considerations, and discussion of hydrogeologic feasibility, but also provide recommendations for Coastside CWD to consider. Thus, providing information for Coastside CWD to evaluate future groundwater management in a more granular means, beyond the conceptual discussions that have been presented in this and prior hydrogeologic reports.

[1] Note, in some reports the Pilarcitos Creek Watershed is also referred to as the Arroyo Leon Watershed.

1. Introduction

This hydrogeologic report supporting a feasibility study related to proposed water recycling by Coastside County Water District (Coastside CWD) was prepared by Roux Associates, Inc. (Roux) on behalf of Water Works Engineers (WWE). WWE is the prime contractor for the feasibility study. The report covers conditions within the watershed of the Half Moon Bay Terrace Groundwater Basin (Groundwater Basin Number 2-22).

The goal of the overall project is to identify a preferred project for recycled water use within the Coastside CWD service area. Recycled water would serve as a supplemental source of water supply to meet Coastside CWD's anticipated future needs, provide resiliency to the coastline during natural disasters and emergencies, and reduce dependency during drought periods on water imported through the San Francisco Public Utilities Commission's (SFPUC's) Regional Water System (RWS), for example Crystal Springs Reservoir.

Proposed Recycled Water Project

Currently, the Coastside CWD uses water from the following sources:

- Imported water from SFPUC (Crystal Springs Reservoir and Pilarcitos Reservoir);
- Local surface water (e.g., Pilarcitos Creek); and,
- Groundwater.

While these sources are anticipated to be sufficient to meet existing and future water demands in normal years, significant water-supply shortages may occur during periods of drought. The addition of recycled water would both diversify and supplement the water portfolio available to Coastside CWD. Three alternatives are being considered for recycled water including non-potable reuse, indirect potable reuse, and direct potable reuse.

1.1 Current Scope of Work

The scope of work described below was designed to anticipate issues based on the proposed water-recycling scenarios and to provide hydrogeological background to the feasibility investigation. Additionally, data gaps were identified for refining key aspects of the hydrogeological investigation inclusive of a review of water rights along streams considered for flow augmentation. The current proposed work is foundational to more detailed groundwater modeling that may be required should the groundwater replenishment remain an option after the completion of the feasibility study.

Numerous technical studies have been conducted relating to aspects of the groundwater system that include conceptual model reports, discussions relating to additional groundwater production, water recycling and other aspects of the groundwater basin. These will be discussed in the report in the sections for which their conclusions and recommendations are most relevant. For the purposes of this hydrogeologic review, the current scope of work comprises the following tasks listed below.

Data Review

Roux reviewed hydrogeologic conditions in the Half Moon Bay Terrace Groundwater Basin within San Mateo County, California (Figure 1.1) inclusive of aspects of the groundwater conceptual model. These aspects included inflow and outflow components, hydraulic characteristics of principal water-bearing units, geologic structures, surface flow, and water quality of stream waters considered for flow augmentation. Additionally, a review of water rights along those streams was conducted.

Field Visit

Roux conducted field reconnaissance visits to observe and evaluate key areas of importance relating to proposed project alternatives and the information developed in the data review task. The focus of the field visits was visiting stream reaches where potential recycled water could be used to supplemental flow, and potential recharge areas. Additionally, areas of key hydrogeologic importance were visited as identified during the data and literature search and review.

Regulatory Review

Roux conducted a regulatory review of potential discharge permitting requirements that would be required including additional investigations for a potential stream augmentation scenario for the recycle water. This included a water rights review as they related to the streams where potential recycled water could be used to supplement flow.

Reporting

Roux prepared this technical report which not only provides a primer on key groundwater concepts that relate to the Proposed Recycled Water Project but also provides a description of the proposed project and conceptual groundwater model of the Half Moon Bay Terrace Groundwater Basin Watershed. The technical report focuses on areas affected by the Proposed Recycled Water Project inclusive of surface water characteristics, water rights/uses, groundwater inflows and outflows, hydraulic characteristics of groundwater units, storage characteristics, identification of data gaps, and recommendations. Additionally, in the case of groundwater replenishment either through percolation or injection, the potential extent of groundwater mounding is considered and discussed with respect to groundwater conditions including potential water quality considerations. Climate change effects have also been reviewed and are discussed.

1.2 Location and Physiographic Setting

For this report, the study area is within the Half Moon Bay Terrace Groundwater Basin (groundwater basin) and surrounding Pilarcitos Creek watershed (watershed for the groundwater basin).[2] This area will be referred to as the "Half Moon Bay Terrace Groundwater Basin watershed" or "Project Area" throughout this report (Figure 1.1).[3]

The Half Moon Bay Terrace Groundwater Basin watershed is bounded by the Pacific Ocean on the west, Martini Creek on the north, Tunitas Creek on the south, and by the Montara Mountains/Santa Cruz Mountains to the east. Elevations in the Project Area range from zero at the Pacific coastline, to 2,080 feet above mean sea level (amsl) at King Mountain. Numerous creeks cross the Project Area (see Section 2), with Pilarcitos Creek being the most prominent with the largest watershed.

The Half Moon Bay Terrace Groundwater Basin as defined by the California Department of Water Resources (DWR), is comprised of the basin-fill deposits extending from the base of the Santa Cruz Mountains on the east, to the Pacific coastline on the west (California DWR, 2014). While the groundwater basin (as defined by DWR) covers an area of approximately 9,000 acres, the watershed for the basin covers an area of approximately 18,400 acres (Figure 1.2).

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[2] Note, in some reports the Pilarcitos Creek Watershed is also referred to as the Arroyo Leon Watershed.

[3] Roux was initially asked to focus our efforts solely on Pilarcitos Creek for this report. However, to gather a greater understanding of the area, Roux decided to look at all the sections of the creeks in the area that falls within the Pilarcitos Creek Watershed and the Half Moon Bay Terrace Groundwater Basin (Figure 1.1).

1.3 Climate

The Project Area has been described as having a Mediterranean climate with precipitation generally in the form of winter and spring rains. Summers are typically dry, although regional fog moderates temperatures, reducing evapotranspiration, and meeting some moisture requirements for plants (California DWR, 1999; California DWR, 2014).

The average annual precipitation at the Half Moon Bay Terrace station (period of record from 1939 through 2016) at an elevation of approximately 40 feet amsl is 26.2 inches, with more than half of that precipitation falling during November through February. The average maximum high temperature is 62.2°F and average minimum is 47.1°F. Mean monthly high temperatures range from 58.4°F in January to 66.8°F in September. Mean monthly low temperatures in Half Moon Bay range from 42.9°F in January to 52.7°F in August. Generally, temperatures decrease, and precipitation increases in the surrounding mountains with increasing elevation.

1.3.1 Climate Change Effects

The effects of climate change in California are generally assumed to result in warmer, higher intensity storms that produce more frequent flash flood runoff events, greater evapotranspiration (from both warmer temperatures and longer growing seasons), and reduced groundwater recharge resulting from these described phenomena. These changes are anticipated to be incremental in nature, but of sufficient significance to account for these future climate-related impacts in long-term groundwater management planning. Rising sea level may also result in landward movement of the fresh-salt groundwater interface, resulting in saltwater intrusion to the groundwater basin.

According to the California DWR Sustainable Groundwater Management Act (SGMA) Data Viewer (California DWR, 2023a), the Half Moon Bay Terrace Groundwater Basin has among the highest density (on a percentage basis) of domestic wells that are susceptible to going dry. The decreased groundwater recharge that would be anticipated could exacerbate this issue, if indeed drying domestic wells remains, or is, an issue. Generally, groundwater levels have been relatively stable in the basin so the reduction of groundwater recharge as a result of climate change would need to be of sufficient scale to noticeably affect groundwater levels that lead to the drying of wells.

Roux applied the Cal-Adapt climate data tool (Cal-Adapt, 2023) to develop a Half Moon Bay Local Climate Change Snapshot Report for the Project Area that is provided in Appendix 1.1. The climate report is consistent with observations above, with significant average temperature increases anticipated in the next 40 years of 2 to 4 degrees Fahrenheit while precipitation remains relatively constant. The San Francisco Bay Area Regional Climate Change Assessment (Ackerley et.al., 2018) indicates that the effect of warming temperatures on the presence of the marine-layer clouds and fog and their buffering effects on warm temperatures is still unclear, but that during recent heat waves, marine fogs were absent.

With respect to sea-level rise (that has corresponding effects on groundwater levels inland within the Half Moon Bay Terrace Groundwater Basin and inland migration of the freshwater/seawater interface), the Statewide Summary Report – California's Fourth Climate Change Assessment (Bedsworth, et.al., 2018) and the San Francisco Bay Area Regional Climate Change Assessment presents an analysis of sea-level rise in southern California indicating 3 to more than 6 feet of sea level rise by the end of the century, with values dependent on the emissions assumptions used in the analysis (Ackerley, 2018). Effects of sea-level rise on groundwater elevations and the freshwater-seawater interface could be evaluated more robustly using numerical groundwater modeling tools.

1.4 Land Use

The land use within the Project Area is quite diverse, ranging from mixed use (which contains residential properties) to agricultural, industrial, recreational, and open space (Figure 1.3). In San Mateo County, definitions for land use are provided in the Zoning Regulations by the Planning and Building Department (County of San Mateo, 2022). In addition to San Mateo County's land use definitions, the City of Half Moon Bay has its own zoning regulations (Half Moon Bay Municipal Code, 2023).

For the Feasibility Study, Coastside CWD will need to consider the land use surrounding their proposed recycled water project. For example, if proposing to use the recycled water for agricultural irrigation – where are those agricultural lands located and how far will the recycled water get from the proposed treatment plant to the agricultural land? Will groundwater mounding from groundwater replenishment of recycled water affect surface, or near-surface infrastructure? Additionally, Coastside CWD will need to address how the land use and proposed project might affect nearby water rights (which is discussed further in this report in Section 4.2).

The following sub-sections explain the land use within the Half Moon Bay Terrace Groundwater Basin and the Pilarcitos Creek Watershed (Figure 1.2).

1.4.1 Half Moon Bay Terrace Groundwater Basin

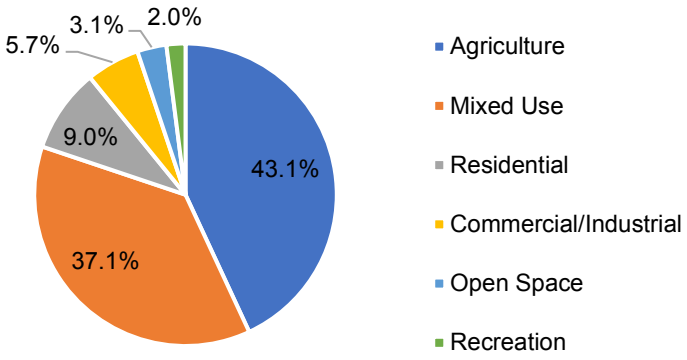
In the Half Moon Bay Terrace Groundwater Basin, the land use is primary agricultural – accounting for over 40% of the total basin, followed closely by mixed use at around 37% (Table 1.1). Mixed use zoning contains a mixture of commercial and residential land. After mixed use, is residential, commercial/industrial (combined),[4] open space, and then recreational (Figure 1.3).

Table 1.1. Half Moon Bay Terrace Groundwater Basin Land Use

Land Use Type	Approximate Acreage	Land Use Percentage
Agriculture	3,884	43.1%
Mixed Use	3,343	37.1%
Residential	808	9.0%
Airport	314	3.5%
Open Space	282	3.1%
Recreation	183	2.0%
Industrial	109	1.2%
Institutional	67	0.7%
Commercial	27	0.3%
Total	**9,017**	**100%**

[4] For commercial/industrial land use, the following land use types were combined: airport, industrial, institutional, and commercial.

Figure 1.4. Half Moon Bay Terrace Groundwater Basin Land Use – Combined



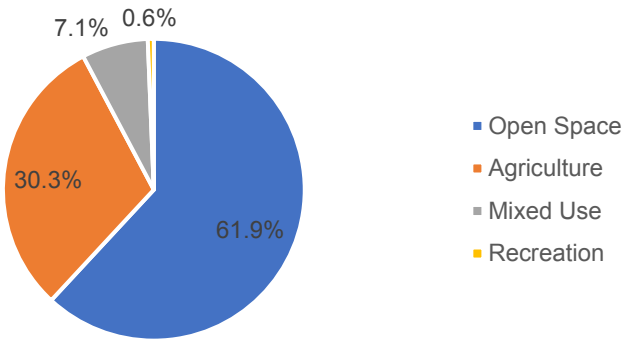
1.4.2 Pilarcitos Creek Watershed Basin

In the Pilarcitos Creek Watershed Basin (also known as the Arroyo Leon Watershed Basin [USGS, 2023i]), the land use is primary open space – accounting for over 60% of the total basin, followed by agricultural at around 30%. After agricultural, is mixed use then recreation (Table 1.2 and Figure 1.5).

Table 1.2. Pilarcitos Creek Watershed Basin Land Use

Land Use Type	Approximate Acreage	Land Use Percentage
Open Space	11,384	61.9%
Agriculture	5,580	30.3%
Mixed Use	1,310	7.1%
Recreation	119	0.6%
Total	**18,392**	**100%**

Figure 1.5. Pilarcitos Creek Watershed Basin Land Use



1.5 Water Rights

In California, there are two types of water with respect to the law: groundwater and surface water. Water flowing in a subterranean stream is treated as surface water in California; however, percolating water is not treated as surface water (California SWRCB, 2020; California SWRCB, 2022; TPL, 2003). A general discussion of the water rights related to groundwater and surface water is provided in Appendix 1.4.

Additionally, a brief summary of the water rights located within the Project Area is included. The implications of existing water rights as they relate to the Proposed Recycled Water use options are described in Section 4.

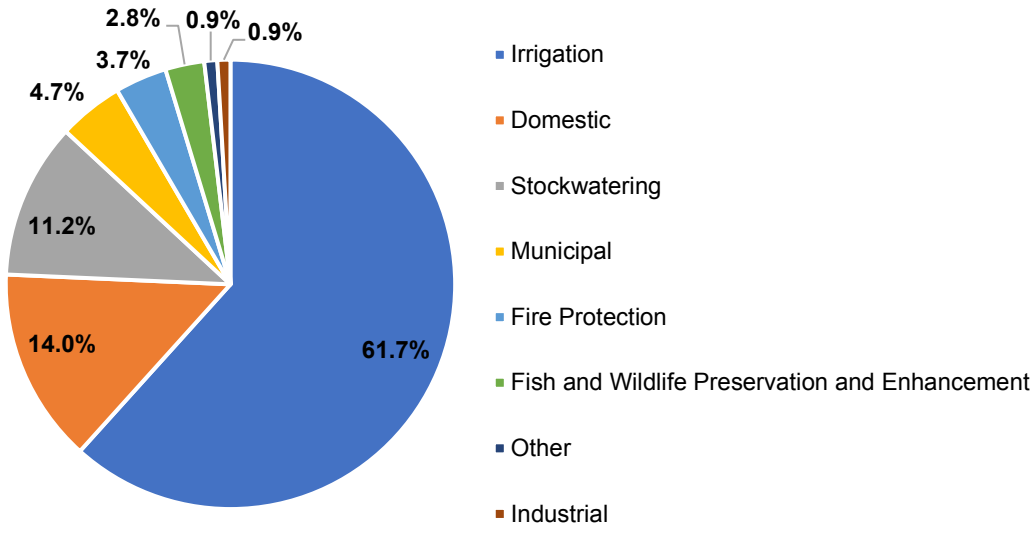
1.5.1 Water Rights in the Project Area

Within the Project Area there are 107 posted water rights, with 77 unique application identification numbers (California SWRCB, 2023a; California SWRCB, 2023b).[5] Of the 107 posted water rights, 50 are located within the Pilarcitos Creek Watershed outside of the groundwater basin boundary, 32 are located within the Half Moon Bay Terrace Groundwater Basin outside of the Pilarcitos Creek Watershed, and the remaining are located in the area overlapped by both the Pilarcitos Creek Watershed and the Half Moon Bay Terrace Groundwater Basin.

Around half (52%) the water rights within the Project Area are appropriative rights. The remaining water rights include temporary permits (around 4%) and statements of intended diversion and use (around 44%).[6] The water rights associated with the statements of intended diversion and use include a mix of riparian and appropriative water rights. A list of these water rights is included on Table 1.3, and if available, corresponding documentation for the water rights is included within Appendix 1.2. The locations of these water rights are provided in Figure 1.6 and Appendix 1.3.

Of the water rights within the Project Area, the water is used for the following beneficial uses: irrigation, domestic, stockwatering, municipal, fire protection, fish and wildlife preservation and enhancement, other, and industrial. Figure 1.7 below breaks down the percentages for each of these beneficial uses. As you can see, within the Project Area, most water rights are used for irrigation purposes (over 60%).

Figure 1.7. Beneficial Uses of Water Rights within the Project Area

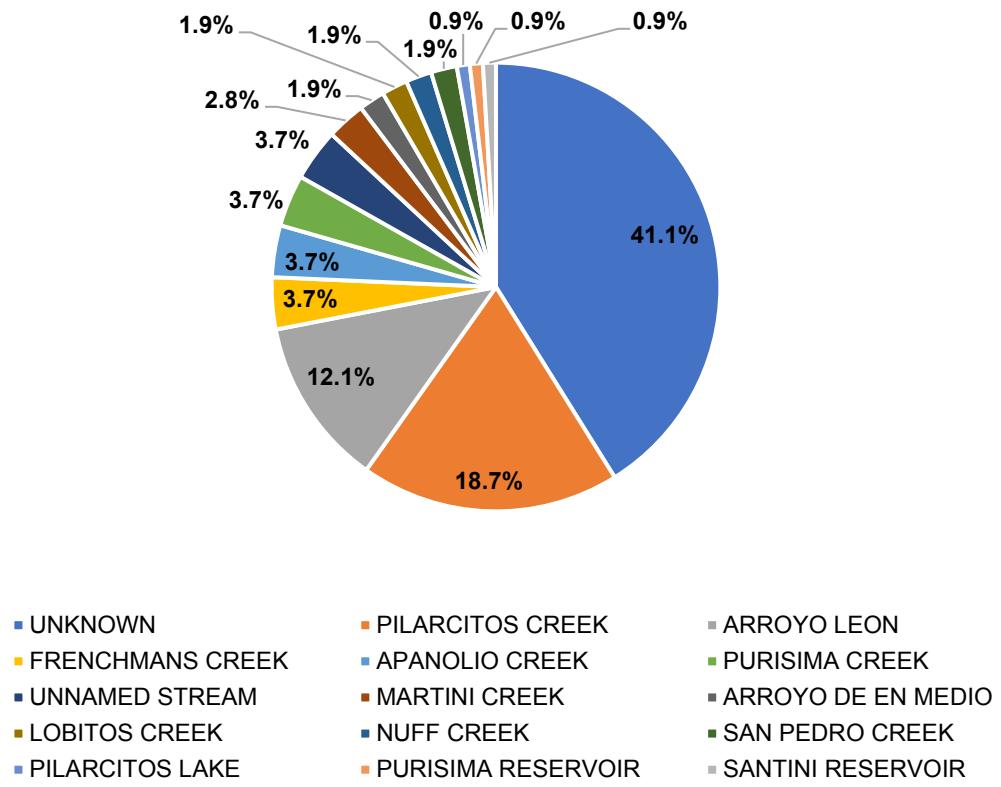


[5] Within the Project Area, water rights were researched in July 2023. It should be noted that some of the posted water rights may be duplicative. In Table 1.3, even if an Application ID is listed more than once, it is included within the table – mainly to track why an application may have changed.

[6] Statement of Diversion and Use: California Water Code §5101 requires each person or organization that uses diverted surface water or pumped groundwater from a known subterranean stream after December 31, 1965 to file with the State Water Board a Statement of Water Diversion and Use prior to February 1 of the following year (California SRWCB, 2022).

Within the Project Area, there are a number of sources which have posted water rights. These sources include unknown (or unlisted water sources), Pilarcitos Creek, Arroyo Leon, and various others. Figure 1.8 below breaks down the percentages for each of these water sources. Within the Project Area, most of the known water rights (as in not including the "unknown" water sources) are located along Pilarcitos Creek (around 19%).

Figure 1.8. Sources of Water Rights within the Project Area



The three largest holders of water rights within the Project Area are Peninsula Open Space Trust (POST, 18.7%), Sky Lawn Memorial Park (10.3%), and Coastside CWD (9.3%). POST has 20 water rights within the Project Area, only 1 is considered inactive. The primary beneficial use of their water rights is for stockwatering and irrigation. Sky Lawn Memorial Park has 11 water rights; however, only 3 remain active – which are all used for irrigation. Coastside CWD has 10 water rights, with 6 active licenses – which are all used for domestic purposes. For information related to the remaining water rights owners within the Project Area refer to Table 1.3.

Of the water rights that are posted within the Project Area, around 30% are either cancelled, revoked, or inactive. However, the remaining water rights (70%) are either licensed, permitted, or claimed. For the status definitions of these water rights, refer to Table 1.3.

1.6 Groundwater Management

The Coastside CWD was formed in 1947 and provides treated water to the City of Half Moon Bay and to the unincorporated communities of Princeton, Miramar, and El Granada. Private wells are permitted within the Coastside CWD service area; therefore, groundwater usage in the Coastside CWD service area is likely higher than the groundwater-supplies utilized by the Coastside CWD. The Half Moon Bay Terrace

Groundwater Basin is not within the boundary of a Groundwater Sustainability Agency under Sustainable Groundwater Management Act (SGMA). The Coastside CWD's distribution of potable water is regulated by the California State Water Resources Control Board (Drinking Water Division) that oversees large water systems that provide drinking water for most of the public.

Groundwater quality issues in the basin are regulated by the California State Water Resources Control Board – San Francisco Bay Region (CRWQCB-SFB). San Mateo County conducts water-related activities such as issuing well permits through the San Mateo County Health Department (Environmental Health Division), and water-quality functions such as monitoring groundwater conditions, overseeing clean-up of pollution caused by leaking underground tanks and chemical spills, and work with other agencies, such as the Environmental Protection Agency (EPA) and the Water Quality Control Boards, to make sure the clean-up process follows State and local laws. The San Mateo County Health Department also manages a Small Water Systems Program regulating these smaller water systems through inspections and other activities (San Mateo County Health Department, 2023a). Other community planning and environmental review activities are conducted through the San Mateo County Planning Department.

A figure with the location of the groundwater wells within the Project Area is shown on Figure 1.9.

1.7 Sources of Information

Roux obtained groundwater and surface water information from Coastside CWD, California DWR, California Department of Fish and Wildlife (CDFW), California SWRCB, CRWQCB-SFB, California Department of Toxic Substances Control (DTSC), California Department of Conservation, EPA, San Mateo County, local newspaper articles, U.S. Geological Survey (USGS), National Oceanic and Atmospheric Administration (NOAA), published articles, and Roux's own library. For a full list of references, refer to Section 6.

2. Surface Water Conditions

Within the Project Area, the following streams (located from north to south) discharge into the Half Moon Bay Terrace Groundwater Basin (Figure 1.2):

- Martini Creek;
- San Vicente Creek;
- Denniston Creek;
- Arroyo de en Medio;
- Frenchman's Creek;
- Pilarcitos Creek;
- Arroyo Canada Verde;
- Purisima Creek; and
- Lobitos Creek.

The surface water conditions of these streams are discussed further in the sub-sections below. For the purposes of the Proposed Recycled Water Project, Pilarcitos Creek is of greatest significance in that one of the proposed alternatives for recycled water is supplementing Pilarcitos Creek flows. Descriptions of the other creeks are provided only to provide descriptions and characteristics of other streams within the Project Area, and to better understand potential inflows into the Half Moon Bay Terrace Groundwater Basin (as discussed in Section 3.5).

2.1 Martini Creek

Martini Creek is an approximately two-mile-long creek with headwaters on the north side of Montara Mountain. Martini Creek outflows to the Pacific Ocean at Montara State Beach (California SWRCB, 2023e). The creek's drainage basin is composed of northern coastal scrub habitat and agricultural land. Based on weekly analysis of indicator bacteria (total coliforms, *Enterococcus*, and *Escherichia coli* [E. Coli]), Martini Creek has passed all its water quality tests in 2023 to date. This is an increase from 2021, which only 67% of the weekly analysis past the water quality tests for indicator bacteria (Swim Guide, 2023). There is an unnamed tributary that drains into Martini Creek, approximately 1.2 miles from its headwaters. Based on the documents reviewed, no USGS or NOAA gages are present along the creek.

There are three water rights associated with Martini Creek in the Project Area. These water rights were filed between 1977 and 2020 and are all associated with the Peninsula Open Space Trust for either stockwatering or irrigation. Of the three water rights, one is currently listed as being inactive (Table 1.3).

2.2 San Vicente Creek

The San Vicente Creek is 3.9 miles long. Its headwaters are on the western side of Montara Mountain, and it outflows to the Pacific Ocean at Fitzgerald Marine Reserve in Moss Beach, California. Additionally, San Vicente Creek flows into the Upper and Lower San Vicente Reservoirs just over a mile from its mouth (Coastside CWD, 2011).

San Vicente Creek and its reservoirs were one focus of the Denniston/San Vicente Water Supply Project that was originally proposed by Coastside CWD in 2011. A limited diversion (the "San Vicente Diversion") has

existed on the San Vicente Creek since the 1900s, and a 1969 water permit (this water right, Permit ID 15882, is just outside the Project Area) allows Coastside CWD to divert up to 2 cubic feet per second (cfs) year-round (more discussion on this permit is provided in Section 2.1.3). As of 2021, the San Vicente Diversion consists of a diversion ditch and sandbag impoundment that supplies water to the Upper San Vicente Reservoir through a pipeline. The diversion is maintained by a local farmer with senior water rights who stores water in upper and lower San Vicente reservoirs (Coastside CWD, 2011).

The Denniston/San Vicente Water Supply Project would replace the seasonal diversion structure with a permanent structure and a pump station. Additionally, the project would include a 6,100-foot-long pipeline to convey San Vicente Creek water to the existing Denniston Reservoir pump station. Due to the importance of the San Vicente reservoirs in recharging groundwater levels, the project will not interfere with maintenance of the reservoirs (Coastside CWD, 2011). Based on the documents reviewed, no USGS or NOAA gages are present along the creek.

According to the California SWRCB, there are six water rights located along San Vicente Creek. The primary owner of five of the water rights is G Lea Family Farms LLC and the primary owner of one of the water rights is Coastside CWD. However, within the Project Area (Figure 1.1 and Figure 1.6) there are no water rights associated with San Vicente Creek.[7]

2.3 Denniston Creek

Denniston Creek is a 4.4-mile-long creek with a four-square mile watershed (Coastside CWD, 2011). Its headwaters are less than half a mile north of Montara Mountain, and it flows into the Pacific Ocean at Pillar Point Harbor. Average annual precipitation for the Denniston Creek watershed is approximately 28 inches, and the main sources of water for the creek are fog, rain, and natural springs. The headwaters of Denniston Creek are composed of erodible granitic rocks, and the creek has five unnamed tributaries fed by natural springs that flow through Miramar coarse sandy loam. Unpaved roads run along large sections of Denniston Creek, and there are a few large agricultural fields adjacent to the creek in the upper portion of the valley (TRC, 2006).

Denniston Reservoir is created by a dam on Denniston Creek, approximately 1.2 miles north of Pillar Point Harbor (Coastside CWD, 2011). The Coastside CWD operates several seasonal wells adjacent to Denniston Creek and downstream of the dam. Denniston Reservoir, which was built to supply water for agriculture in the early 1900s and is equipped with a WTP. As of 2021, the reservoir was dredged by Coastside CWD to remove approximately 500 cubic yards of soil (Coastside CWD, 2021).

The original water rights permit for the reservoir (this water right, Permit ID 15882, is just outside the Project Area), were issued by California SWRCB in 1969 and authorized Coastside CWD to divert 2 cfs from both Denniston and San Vicente Creeks on a year-round basis. The 1969 permit also included “a permanent diversion facility on San Vicente Creek consisting of a sump and pump station (a limited seasonal diversion is in place; improvements to diversion and the pump station are part of proposed project); a 6,100-foot-long 8-inch diameter pipeline from the San Vicente diversion to Denniston Reservoir pump station (part of proposed project); a pump station at the westerly end of Denniston Reservoir (in place); a WTP located northerly of this reservoir (in place and with enhanced treatment capacity approved/in place); and a treated water pipeline from the treatment plant to the existing water distribution system via the Coastside CWD’s other WTP (in place)” (Coastside CWD, 2011).

[7] A portion of San Vicente and Denniston Creeks are within the “Project Area”; however, not the whole portion of those creeks. Therefore, this is why although there are water rights along these creeks, there are no water rights within the “Project Area.”

Based on the documents reviewed, no USGS or NOAA gages are present on Denniston Creek. According to the California SWRCB, there are seven water rights located along Denniston Creek. The primary owners of the water rights include G Lea Family Farms LLC (four water rights), Peninsula Open Space Trust (two water rights), and Coastside CWD (one water right). However, within the Project Area (Figure 1.1 and Figure 1.6) there are no water rights associated with Denniston Creek.[8]

2.4 Arroyo de en Medio

The Arroyo de en Medio is 2.5 miles long and has headwaters approximately 1.5 miles south of Montara Mountain. The Arroyo de en Medio outflows to the Pacific Ocean at Miramar Beach in Miramar, CA. There are no tributaries to the Arroyo de en Medio (California SWRCB, 2023e; USGS, 1994; USGS, 2023h). Based on the documents reviewed, no USGS or NOAA gages are present along the creek.

There are two water rights associated with Arroyo de en Medio in the Project Area. These water rights were filed between 1956 and 2008 and are used for irrigation purposes. Of the two water rights, only one is currently listed as being active (Table 1.3).

2.5 Frenchman's Creek

Frenchman's Creek is an approximately four-mile-long creek located between the towns of Half Moon Bay, and Miramar, California. Its headwaters are approximately 0.25 miles northwest of Scarper Peak, and it outflows to the Pacific Ocean at Venice Beach in the town of Miramar. (California SWRCB, 2023e; USGS, 1994; USGS, 2023h). Based on the documents reviewed, no USGS or NOAA gages are present along Frenchman Creek.

There are four water rights associated with Frenchman's Creek in the Project Area. These water rights were filed between 1946 and 2016 and are used for irrigation and stockwatering purposes – all of which are still active (Table 1.3).

Main Tributaries of Frenchman's Creek

Locks Creek

Locks Creek is an approximately two-mile-long tributary of Frenchman Creek. Its headwaters are on the southeastern side of Montara Mountain, and it flows into Frenchman Creek approximately three miles above the mouth of Frenchman Creek (California SWRCB, 2023e; USGS, 1994; USGS, 2023c). Based on the documents reviewed, no USGS or NOAA gages are present along Locks Creek.

According to the California SWRCB, there are no water rights associated with Locks Creek in the Project Area. However, it should be noted that this tributary is located outside the Project Area.

2.6 Pilarcitos Creek

One of the recycled water use alternatives being considered by Coastside CWD is supplementing flow to Pilarcitos Creek. Pilarcitos Creek, the largest stream within the Project Area, is an approximately 13.5-mile-long creek with headwaters along the northeast side of North Peak Mountain, approximately 1.5 miles above Pilarcitos Lake. The creek drains westward and discharges into the Pacific Ocean between Venice Beach and Elmar Beach in the City of Half Moon Bay, California (California SWRCB, 2023e; USGS, 1994; USGS, 2023c). Elevations along the creek range from over 2,000 ft amsl to sea level. Vegetation along Pilarcitos

[8] A portion of San Vicente and Denniston Creeks are within the "Project Area"; however, not the whole portion of those creeks. Therefore, this is why although there are water rights along these creeks, there are no water rights within the "Project Area."

Creek consists primarily of shrubs and grasslands (Todd, 2003). Near the headwaters of Pilarcitos Creek is Pilarcitos Lake (also known as Pilarcitos Reservoir). Pilarcitos Lake is a reservoir maintained and operated by SFPUC.

The water quality of Lower Pilarcitos Creek is lower when compared to other coastal streams within the Project Area. For example, Pilarcitos Creek consistently shows high fecal coliform counts compared to other coastal streams. Additionally, Pilarcitos Creek historically has had high levels of total dissolved solids (TDS), total suspended solids (TSS), zinc, copper, nitrate, and orthophosphate. Potential sources of contamination include horse manure, fecal waste from seagulls, agricultural activity, and the Ox Mountain Landfill (PWA, 2008). For a list of sites of environmental concern within the Project Area, refer to Section 3.7.

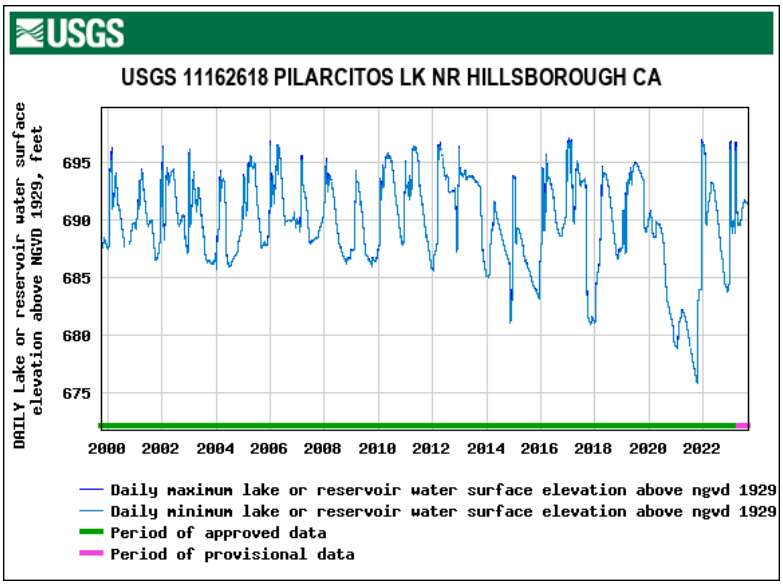
There are several main tributaries along Pilarcitos Creek: Apanolio Creek, Arroyo Leon, Corrinda Las Trancos Creek, Madonna Creek, Mills Creek, and Nuff Creek. Descriptions of these tributaries are provided below. Most of the lands around Pilarcitos Creek and its tributaries consist of agricultural land, primarily for flowers, crops, Christmas trees, and irrigated pasture. It should be noted that significant portions of the land around Upper Pilarcitos Creek and its tributaries are protected by the SFPUC. Additionally, much of the land between Pilarcitos Creek and Arroyo Leon is protected from urban development by POST. However, there are some residential lands present, especially along Highway 92 (Todd, 2003).

The USGS operates five gages along Pilarcitos Creek (starting from the headwaters, downstream to the mouth of the creek): Pilarcitos Lake (USGS, 2023c), Pilarcitos Creek below spillway (USGS, 2023d), Pilarcitos Creek above stone dam (USGS, 2023e), Pilarcitos Creek below stone dam (USGS, 2023f), and Pilarcitos Creek at Half Moon Bay (USGS, 2023g). The first four USGS gages are located in the highlands and the last gage is located in the lowlands. Pilarcitos Creek at Half Moon Bay began collecting data in 1966, Pilarcitos Creek below Stone Dam began collecting data in 1997, Pilarcitos Lake began collecting data in 1999, Pilarcitos Creek above Stone Dam began collecting data in 2022, and Pilarcitos Creek below spillway also began collecting data 2022. A summary of the data from each of these gages is provided below and included within Appendix 2.1.

USGS 11162618, Pilarcitos Lake (USGS, 2023c)

Measurements at the USGS gage at Pilarcitos Lake began in 1999 (Appendix 2.1). Data from this gage include daily records of the lake surface water elevation (Figure 2.1 below). Based on the data, the highest surface water measurement was recorded in February 2017 and lowest surface water measurement was recorded in September 2021.

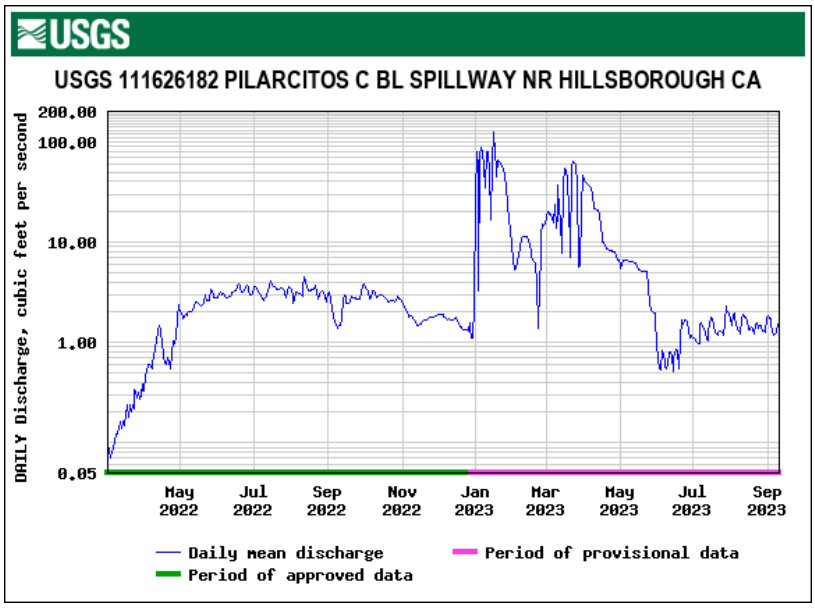
Figure 2.1. Pilarcitos Lake Surface Water Elevation



USGS 111626182, Pilarcitos Creek Below Spillway (USGS, 2023d)

Measurements from the USGS gage on Pilarcitos Creek, below the spillway, began in 2022. Data from this gage includes daily recordings of stream discharge, peak streamflow, and field measurements. Based on the data, the highest average stream discharge was recorded on January 16, 2023 at 124 cfs and the lowest average stream discharge was recorded on March 4, 2022 at 0.07 cfs (Figure 2.2). The channel at this location along the creek is described as having a soft stability, even terrane, and consisting of sand and silt-like materials (Appendix 2.1). Given the recency of installation, this data record only reflects conditions during a record wet season, and a longer data record is needed to evaluate streamflow characteristics at this location.

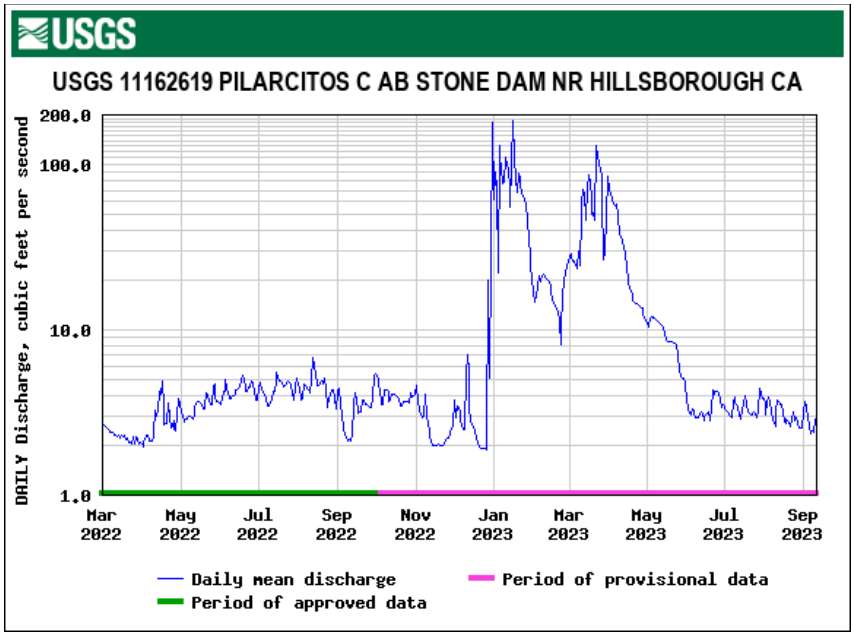
Figure 2.2. Pilarcitos Creek Below Spillway Daily Stream Discharge



USGS 11162619, Pilarcitos Creek Above Stone Dam (USGS, 2023e)

Measurements from the USGS gage on Pilarcitos Creek, above the stone dam, began in 2022. Data from this gage includes daily recordings of stream discharge, peak streamflow, and field measurements. Based on the data, the highest average stream discharge was recorded on January 1, 2023 at 186 cfs and the lowest average stream discharge was recorded on December 26, 2022 at 1.83 cfs (Figure 2.3). The channel at this location along the creek is described as having a predominately firm stability, even terrane, and consisting of gravel and sand-like materials (Appendix 2.1). Similar to the previous station, this record only presents data from a record wet season and the data record is insufficient to evaluate stream characteristics.

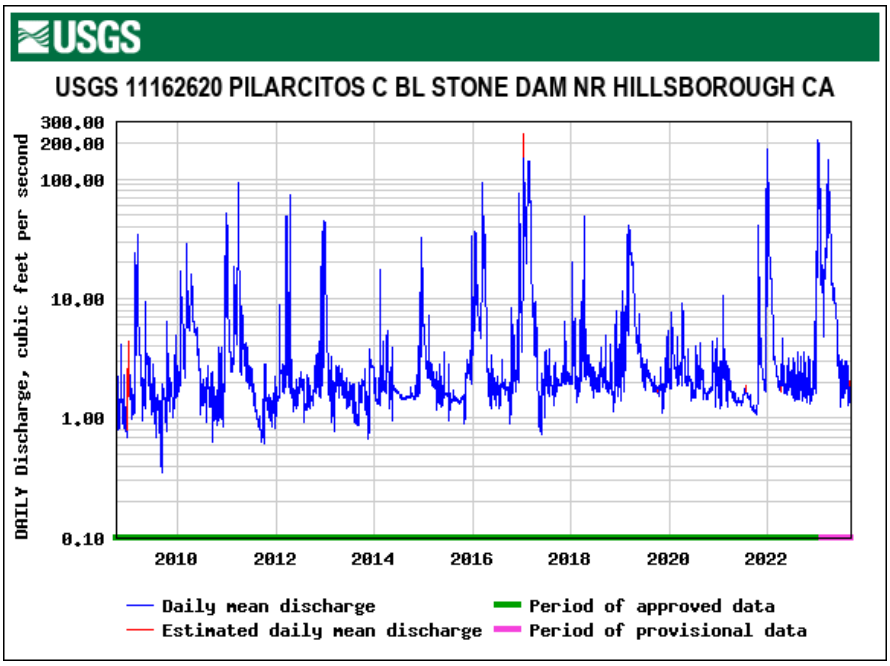
Figure 2.3. Pilarcitos Creek Above Stone Dam Daily Stream Discharge



USGS 11162620, Pilarcitos Creek Below Stone Dam (USGS, 2023f)

Measurements from the USGS gage on Pilarcitos Creek, below the stone dam, began in 1997. Data from this gage includes daily recordings of stream discharge, peak streamflow, field measurements, and water quality. Based on the data, the highest daily stream discharge was recorded on January 10, 2017 (240 cfs) and the lowest daily stream discharge was recorded on August 30, 2009 at 0.35 cfs (Figure 2.4). Throughout the dataset, the temperature ranged from 38.3˚F (December 10, 2013) to 55.3˚F (August 14 and August 15, 2020). The channel at this location along the creek is described as having a predominately firm stability, a mixture of even and uneven terrane, and consisting of gravel, cobbles, and boulders (Appendix 2.1).

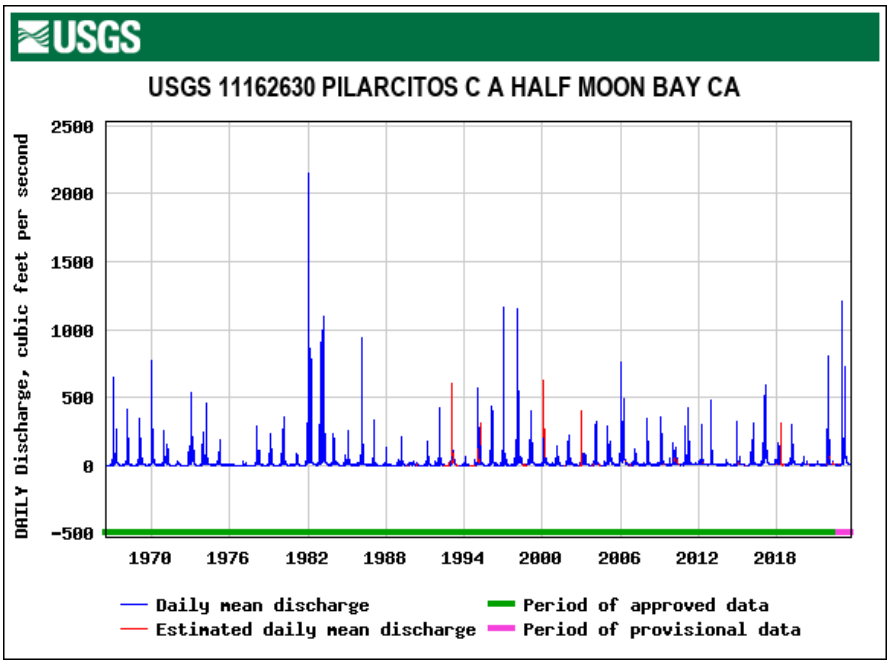
Figure 2.4. Pilarcitos Creek Below Stone Dam Daily Stream Discharge



USGS 11162630, Pilarcitos Creek at Half Moon Bay (USGS, 2023g)

Measurements from the USGS gage on Pilarcitos Creek, at Half Moon Bay, began in 1966. Data from this gage includes daily recordings of stream discharge, peak streamflow, field measurements, and water quality. Based on the data, the highest average stream discharge was recorded on January 4, 1985 at 2,150 cfs and the lowest average stream discharge was 0.00 cfs, for multiple dates (Figure 2.5). The channel at this location along the creek is described as having soft and firm stability, having predominantly even terrane, and consisting of gravel, sand, and silt-like materials (Appendix 2.1).

Figure 2.5. Pilarcitos Creek at Half Moon Bay Daily Stream Discharge



Based on these USGS data, the portion of Pilarcitos Creek with the highest average daily discharge is the location at Half Moon Bay. Here, the average daily discharge is generally an order of magnitude larger than the other creek gage locations. That being said, it is also the location that has some of the lowest daily discharge rates. For example, at the Pilarcitos Creek gage at Half Moon Bay, there are several dates throughout the dataset in which the daily discharge is 0.00 cfs (Appendix 2.1). Based on the information available on USGS' website, it is unclear why this location experiences such a fluctuation in stream discharge. However, it is likely the result of drought conditions and surface water usage patterns. This could also be an effect of other surface water management activities.

There are 20 water rights associated with Pilarcitos Creek in the Project Area – the highest number of water rights out of the creeks that drain into the Half Moon Bay Terrace Groundwater Basin. These water rights were filed between 1955 and 2014 and used for the following beneficial purposes: irrigation (55%), domestic (30%), fire protection (10%), and industrial (5%). Out of the 20 water rights, only 5 are listed as either revoked or inactive (Table 1.3). The implications of these water rights for the Proposed Recycled Water Project are discussed in Section 4.

Main Tributaries of Pilarcitos Creek

The following tributaries to Pilarcitos Creek are also important to understand relative to the Proposed Recycled Water Project. These streams are largely undeveloped and can be prone to flooding during storm events. These conditions could make discharging recycled water to Pilarcitos Creek problematic during periods of the wet season.

Apanolio Creek

Apanolio Creek (also referred to as Digges Canyon) is a 3.6-mile-long tributary to Pilarcitos Creek that drains an approximately 2.1-square mile watershed (CDFW, 2013a). Its headwaters are less than a mile southeast of Ox Hill, and it flows south through Diggs Canyon to meet Pilarcitos Creek approximately 2.5 miles from Half Moon State Beach, where the Pilarcitos outflows into the Pacific Ocean (California SWRCB, 2023e; USGS, 1994; USGS, 2023h). Elevations in the Apanolio watershed range from about 105 feet at the mouth of the creek to 1,742 feet at the headwaters. Vegetation in the watershed is primarily grassland and herbaceous forest. Ninety-nine percent (99%) of the land in the watershed is classified as undeveloped by the California CDFW, while less than 1% is classified as urban or agricultural. Additionally, 99% of the land in the Apanolio Creek watershed is privately owned (CDFW, 2013a). Based on the documents reviewed, no USGS or NOAA gages are present along Apanolio Creek.

There are 4 water rights associated with Apanolio Creek in the Project Area. These water rights were filed between 1955 and 2011 and used for the following beneficial purposes: irrigation and domestic. Out of the 4 water rights, there are currently 2 listed as inactive (Table 1.3).

Arroyo Leon

Arroyo Leon is a 6.5-mile-long tributary to Pilarcitos Creek that drains an 8.6-square mile watershed (CDFW, 2013b). Its headwaters are approximately half a mile west of King's Mountain, and it flows west through Higgins Canyon to meet Pilarcitos Creek just 1.5 miles from the Pacific Ocean. Mills Creek is a tributary of the Arroyo Leon (California SWRCB, 2023e; USGS, 1994; USGS, 2023h). Based on the documents reviewed, no USGS or NOAA gages are present along the Arroyo Leon Creek.

There are 13 water rights associated with the Arroyo Leon in the Project Area. These water rights were filed between 1977 and 2014 and used for the following beneficial purposes: irrigation (around 54%);

stockwatering (around 23%); domestic (around 15%); and other (around 7%). Out of the 13 water rights, there are currently 4 listed as either cancelled or inactive (Table 1.3).

Corrinda Los Trancos Creek

Corrinda Los Trancos Creek is an approximately 1.5-mile-long tributary to Pilarcitos Creek. Its headwaters are less than half a mile south of the end of Digges Canyon Road, and it joins the Pilarcitos approximately 3 miles from the mouth of the Pilarcitos (California SWRCB, 2023e; USGS, 1994; USGS, 2023h). The Corrinda Los Trancos Creek was impacted by a flood event the week of December 12, 2021. Debris from Corrinda Los Trancos clogged a culvert operated by Caltrans, causing flooding on Highway 92. On December 14, the town of Half Moon Bay reported 4.87 inches of rain in the past 72 hours, almost exceeding the average December rainfall total in the town of 5.17 inches. Flooding was also observed in Pilarcitos Creek during this rain event (Half Moon Bay Review, 2021). Based on the documents reviewed, no USGS or NOAA gages are present along the Corrinda Los Trancos Creek.

According to the California SWRCB, there are no water rights associated with Corrinda Los Trancos Creek in the Project Area.

Madonna Creek

Madonna Creek is an approximately 2.5-mile-long tributary of Pilarcitos Creek. Its headwaters are about a mile north of Burleigh H. Murray Ranch State Park, and Madonna Creek joins the Pilarcitos approximately 2.5 miles before the confluence of Pilarcitos Creek and the Pacific Ocean (California SWRCB, 2023e; USGS, 1994; USGS, 2023h). In 2020, the Midpeninsula Regional Open Space District detected high concentrations of lead and petroleum in soils at a junk yard at the former Madonna Creek Ranch. These chemicals, primarily from three cars and more than 30 car batteries dumped at the site, were detected 20 feet below the ground in some areas. Due to the site's proximity to Madonna Creek, Midpeninsula Regional Open Space District contracted Engineering/Remediation Resources Group Inc. to remove contaminated soil. Tests confirmed that contaminants were removed from the area (Half Moon Bay Review, 2020). Based on the documents reviewed, no USGS or NOAA gages are present along the Corrinda Los Trancos Creek.

According to the California SWRCB, there are no water rights associated with Madonna Creek in the Project Area.

Mills Creek

Mills Creek is an approximately four-mile-long tributary to the Arroyo Leon (which is a tributary of the Pilarcitos Creek). Its headwaters are approximately a mile to the northwest of King's Mountain, and it flows into the Arroyo Leon 1.4 miles before the confluence of the Arroyo Leon and the Pilarcitos Creek (California SWRCB, 2023e; USGS, 1994; USGS, 2023h). Based on the documents reviewed, no USGS or NOAA gages are present along Mills Creek.

According to the California SWRCB, there are no water rights associated with Mills Creek in the Project Area.

Nuff Creek

Nuff Creek is an approximately two-mile-long tributary of Pilarcitos Creek. Its headwaters are on the southern side of Corrinda Los Trancos Mountain, and it joins the Pilarcitos approximately 4.2 miles from the mouth of the Pilarcitos (California SWRCB, 2023e; USGS, 1994; USGS, 2023h). Based on the documents reviewed, no USGS or NOAA gages are present along Nuff Creek.

There are two water rights associated with Nuff Creek in the Project Area. These water rights were filed in 1975 and 2014 and are used for fish and wildlife preservation and enhancement as well as irrigation – both of which are still active (Table 1.3).

2.7 Arroyo Canada Verde

Arroyo Canada Verde (also known as Canada Verde Creek) is an approximately 2.5-mile-long creek south of the town of Half Moon Bay, California. Its headwaters are approximately 0.5 miles west of McGovern Ridge, and it flows into the Pacific Ocean at Manhattan Beach, approximately 0.2 miles south of Miramontes Point (California SWRCB, 2023e; USGS, 1994; USGS, 2023h). There are no significant tributaries along Arroyo Canda Verde, and based on the documents reviewed, no USGS or NOAA gages are present along the Arroyo Canada Verde.

According to the California SWRCB, there are no water rights associated with Arroyo Canda Verde in the Project Area.

2.8 Purisima Creek

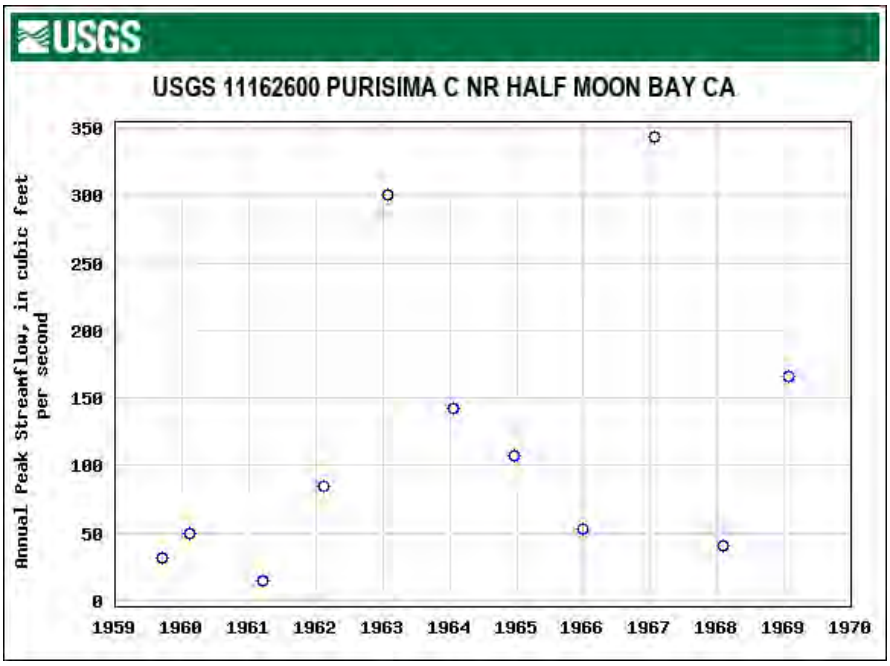
Purisima Creek is an eight-mile-long creek with headwaters on the south side of King's Mountain in San Mateo County and a drainage area of 4.83 square miles (USGS, 1994; USGS, 2023b). The creek flows a narrow, bedrock canyon before outflowing to the Pacific Ocean approximately 4.5 miles south of Half Moon Bay (USGS, 1994).

One USGS gage (Purisima C NR Half Moon Bay, USGS 11162600) was located downstream of Walker Gulch, approximately 4.1 miles from the mouth of Purisima Creek (USGS, 2023a; USGS, 2023b). The gage operated from October 1958 through October 1969 and recorded 4,021 daily stream discharge measurements. In addition to stream discharge, the gage also collected peak streamflow data (1959 through 1969; 11 data points), field measurements (2015 and 2021; 2 data points), and field water quality samples (1977 and 2015; 2 data points). The USGS does not provide an explanation for why the Purisima Creek gage went offline in 1969 (USGS, 2023b).

The mean daily discharge records (in cfs) from October 1, 1958 through October 3, 1969 are provided on Table 2.1. Based on the stream gage data exported from USGS, it appears that Purisima Creek has the highest stream discharge in the months of January (mean 7.7 cfs) and February (8.3 cfs), while the lowest stream discharge occurs in the months of August and September (both with a mean of 0.8 cfs). This is concurrent with the highest precipitation occurring in the winter months within the Project Area.

The annual peak streamflow for the gage on Purisima Creek is shown on Figure 2.6 below. Based on the data, it appears that the highest annual peak streamflow was documented in 1967 and the lowest annual peak streamflow was documented in 1961 (USGS, 2023b).

Figure 2.6. Purisima Creek Annual Peak Streamflow



On September 2, 2015 and September 2, 2021, the USGS collected manual field measurements of streamflow, channel width, channel velocity, channel stability, channel material, and channel evenness (see Table 2.2 below). This data shows that the Purisima Creek material changed from gravel to silt, the creek nearly doubled in width, and the channel velocity and streamflow decreased from 2015 to 2021. A large storm event may have widened the channel and transported gravel sediments from upstream of the sample point. However, the cause of this change is unclear from the available USGS data. USGS does not provide context for why these additional field measurements were collected. (USGS, 2023b).

Table 2.2. Purisima Creek Field Measurements

Sample Date	Streamflow (cfs)	Channel Width (ft)	Channel Area (ft^2)	Channel Velocity (ft/s)	Channel Stability	Channel Material	Channel Evenness
2015-09-02	0.34	3.50	0.67	0.51	Firm	Gravel	Even
2021-09-02	0.30	6.50	2.78	0.11	Soft	Silt	Even

Additionally, USGS collected water quality samples at the gage location on August 29, 1977 and September 2, 2015. The 1977 surface water sample was analyzed for general water quality parameters (temperature, specific conductance, dissolved oxygen [DO], pH), inorganic anions (chloride, nitrate and nitrite, sulfate), metals (iron, boron, silica), and alkalinity (bicarbonate, carbonate, hardness). However, fewer parameters were analyzed from the 2015 surface water sample, which included stream width, temperature, and specific conductance (USGS, 2023b). Table 2.3 provides a summary of the water quality data collected by USGS at the Purisima Creek gage.

There are four water rights associated with Purisima Creek in the Project Area. These water rights were filed between 1995 and 2011 and are used for irrigation and domestic purposes. Of the four water rights, only one is currently listed as being active (Table 1.3).

Main Tributaries of Purisima Creek

Higgins Purisima Creek

Higgins Purisima Creek is an approximately three-mile-long tributary of Purisima Creek. Higgins Purisima Creek flows into Purisima Creek at Whittemore Gulch, approximately 4.5 miles from the mouth of Purisima Creek (California SWRCB, 2023e; USGS, 1994; USGS, 2023c). It should be noted that some agencies identify this portion of the creek as part of Purisima Creek and not as a tributary to Purisima Creek .

According to the California SWRCB, there are no water rights associated with Higgins Purisima Creek in the Project Area.

2.9 Lobitos Creek

Lobitos Creek is an approximately 4.8-mile-long creek with headwaters on the north side of Bald Knob. The creek flows into the Pacific Ocean at Martin's Beach, six miles south of the town of Half Moon Bay, California. Lobitos Creek has no significant confluences (California SWRCB, 2023e; USGS, 1994; USGS, 2023h). Based on the documents reviewed, no USGS or NOAA gages are present along Lobitos Creek.

There are two water rights associated with Lobitos Creek in the Project Area. These water rights were filed in 1960 and 2007 and are used for irrigation and domestic purposes – both of which are still active (Table 1.3).

Main Tributaries of Lobitos Creek

School House Creek

School House Creek is 0.5-mile-long tributary of Lobitos Creek. School House Creek flows into Lobitos Creek at the junction of Lucy Lane and Verde Road in Lobitos, California, approximately 0.75 miles before Lobitos Creek meets the Pacific Ocean at Martin's Beach. The headwaters of School House Creek are southeast of the confluence with Lobitos Creek, and the creek follows Lobitos Creek Cut-Off Road (California SWRCB, 2023e; USGS, 1994; USGS, 2023h). Based on the documents reviewed, no USGS or NOAA gages are present along School House Creek.

According to the California SWRCB, there are no water rights associated with School House Creek in the Project Area.

3. Half Moon Bay Terrace Groundwater Basin Watershed – Conceptual Model

3.1 Geologic Conditions and Regional Setting

The Project Area consists of the Half Moon Bay Terrace Groundwater Basin and Pilarcitos Creek watershed (Figure 1.1). In this report, the Project Area may also be referred to as the "Half Moon Bay Terrace Groundwater Basin watershed." The Project Area is located along the Pacific Coast, in San Mateo Couty – south of the City of San Francisco. The Half Moon Bay Terrace Groundwater Basin watershed drains westward toward Half Moon Bay and the Pacific Ocean (Figure 1.2). Elevations range from approximately 2,000 feet amsl (Montara Mountain and Kings Mountain) to sea level. Vegetation in the Project Area is primarily grassland and herbaceous forest (CDFW, 2013b). Most of the land in the Project Area is classified as undeveloped by the CDFW and is privately owned (CDFW, 2013b). However, of the land that is developed, most of it is along the stream valleys or the coast (Todd, 2003).

The watersheds that surround the Project Area include, the following: San Pedro Creek, Denniston Creek, San Mateo Creek, and Purisima Creek. The location of these watersheds is shown on Figure 3.1. In addition to the Pilarcitos Creek Watershed (also known as the Arroyo Leon Watershed), the following other watersheds also drain into the Half Moon Bay Terrace Groundwater Basin: Denniston Creek and Purisima Creek.

The Project Area is marked by several unique features, including preserved records of sea level change in the marine terraces, wave-cut cliffs, evidence of folding (synclines and anticlines) and faulting, bluffs, sea stacks, sea caves, groves of ancient redwood trees, landslides, mountains, ridges, valleys, and beaches. These features display the range of topography within the Project Area.

The Project Area is within the Coast Range geomorphic province, which is substantially comprised of a thick sequence of Mesozoic and Cenozoic-aged sedimentary strata. The province is spilt into two portions, a northern and a southern portion, separated by the San Francisco Bay. The Coast Range consists of northwest-trending mountains and valleys that are subparallel to the San Andreas Fault. East of the San Andreas Fault is the Jurassic-Cretaceous Franciscan Complex and west of the San Andreas is the Cretaceous Salinian Block (CGS, 2002). The Franciscan Complex consists predominately of sandstone (graywacke) and mudstone (shale) with minor amounts of chert, limestone, greenstone, serpentinite, and mélanges. The Franciscan Complex is highly prone to landslides, due to the presence of serpentine. The Salinian Block consists of granitic rocks, which represent a piece of the old volcanic arc that was transported northward along the San Andreas Fault and placed outboard (west) of the Franciscan Complex (Anderson, 2001). Within the Coast Range geomorphic province, the coastline is uplifted, terraced, and wave-cut (CGS, 2002). These characteristics are present in the Half Moon Bay area.

To further understand the regional changes that the Proposed Recycled Water Project could have on the Project Area, a qualitative conceptual model was developed. This conceptual model consists of a description of the hydrogeologic units, geologic structure, aquifer characteristics, groundwater inflows and outflows, trends in groundwater elevation, and groundwater water quality within the Project Area.

3.2 Aquifer Characteristics and Hydrogeologic Units

For the purposes of this report, the aquifer characteristics (effective porosity, transmissivity, and hydraulic conductivity) are of substantial importance in evaluating the effects of the proposed recycled water alternatives, particularly those effects of using recycled water for groundwater replenishment. The effective porosity of a soil or rock is the available open space between particles available for water to flow through. It is typically expressed in terms of a percentage. Transmissivity is a measure of an aquifer's ability to transmit groundwater, while the related term "hydraulic conductivity" is equivalent to the aquifer's permeability and is equal to the transmissivity divided by the saturated thickness of the aquifer. When discussing the ability for a soil or rock to transmit water in terms of a constant then, hydraulic conductivity can be most useful as the transmissivity of an aquifer will vary with changing aquifer or groundwater level conditions. The following paragraph provides a summary of the published available aquifer characteristics within the Project Area:

> *"… the marine terrace aquifer near the proposed Lower Pilarcitos Creek wellfield has a transmissivity of about 16,000 gpd/ft [gallons per day per foot], an aquifer thickness of about 32 feet, a resulting hydraulic conductivity of approximately 500 gpd/ft^2 [gallons per day per square foot] and is confined. The marine terrace aquifer near the Balboa wellfield has a transmissivity of about 9,400 gpd/ft, an aquifer thickness of about 42 feet, a resulting hydraulic conductivity of about 224 gpd/ft^2, and a storativity of 0.0011 (confined aquifer). In regions south of the proposed Lower Pilarcitos Creek wellfield, the transmissivity is lower, ranging between 1,500 and 7,000 gpd/ft. Regional informal pumping tests and empirical analysis of the data suggest that the transmissivity may range between 1,000 and 5,500 gpd/ft for bedrock and marine terrace aquifers, respectively. In general, the informal pumping test data are consistent with formal aquifer and well testing" (Todd, 2003).*

The Project Area consists of sedimentary, igneous, and metamorphic rocks with recent alluvium and colluvium (California Department of Conservation, 2015; Figure 3.2). The Half Moon Bay Terrace Groundwater Basin Watershed is situated on a westward sloping marine terrace, composed of four main hydrogeologic units, from youngest to oldest: recent alluvium (Holocene alluvium); marine terrace deposits (Pleistocene-age); consolidated sedimentary rocks (Pliocene Purisima Formation); and igneous rocks (Cretaceous Montara Granitic rocks). A description of these hydrogeologic units is provided in the sub-sections below.

3.2.1 Holocene Alluvium

The Holocene alluvium consists of unconsolidated, moderately-sorted sand and gravel (California DWR, 1999; California DWR, 2014). Within the Project Area, coarse-grained alluvium is present along the stream floodplains, colluvium is present in the upper reaches of Pilarcitos Creek, beach and sand dunes are present along the coastline, artificial fill is present around urban areas, and alluvial fans are present along the coastline (California DWR, 1999; California DWR, 2014; Todd, 2003). Because these surficial materials are thin and limited in extent, they are not significant aquifers within the Project Area (Todd, 2003).

3.2.2 Pleistocene Marine Terrace Deposits

The Pleistocene-aged marine terrace deposits consist of poorly to moderately consolidated marine, eolian, and alluvial sand, silt, gravel, and clay. The marine terrace deposits lie unconformably on top of the Purisima Formation and are located along the coastline (California DWR, 2014). These deposits are approximately 30 to 60 feet thick and make up the main aquifer in the Half Moon Bay Terrace Groundwater Basin (Todd, 2003).

Previous investigations have been conducted on the marine terrace deposits throughout the Project Area to better understand its hydraulic properties. The investigations determined that transmissivity values range from 1,500 gpd/ft (south of the Lower Pilarcitos Creek wellfield) to 16,000 gpd/ft (near the Lower Pilarcitos

Creek wellfield), that hydraulic conductivity values range from 224 gpd/ft^2 (near the Balboa wellfield) to 500 gpd/ft^2 (near the Lower Pilarcitos Creek wellfield), and that the marine terrace aquifer's storativity is 0.0011 – indicating a confined aquifer. Fine-grained deposits at the distal portion of an alluvial fan reduce the hydraulic connection between a surface water and associated underlying aquifer materials (Reading, 1981; Walker, 1981). Therefore, within the Project Area, it is likely that the fine-grained (clay and silt) deposits (from the Holocene alluvium) created a relatively impermeable cap to the marine terrace aquifer, resulting in the confined aquifer conditions (Todd, 2003).

3.2.3 Pliocene Purisima Formation

The Pliocene-aged Purisima Formation consists of highly fractured, well-indurated, soft- to medium-hard, fossiliferous mudstone, siltstone, and sandstone. The formation rests nonconformably on top of the Cretaceous Montara Mountain granitic rock and is believed to be hundreds of feet thick. Within the Project Area, the Purisima Formation outcrops just west of the Half Moon Bay Airport and underlies most of the Pleistocene marine terrace deposits (California DWR, 1999; California DWR, 2014). The Purisima Formation is considered nonwater bearing; however, where groundwater is present in fractures, the water quality is usually poor, with elevated concentrations of TDS, chloride, iron, and manganese (Todd, 2003).

3.2.4 Cretaceous Montara Mountain Granitic Rock

The Cretaceous-aged Montara Mountain granitic rock is part of a much larger magmatic arc complex known as the Salinian Block. The Montara Mountain granitic rocks consist of highly fractured, medium to coarsely–grained crystalline rock. Within the Project Area, the granitic rock forms the mountains directly east of the coastline and underlies the younger geologic formations (California DWR, 1999; California DWR, 2014).

3.3 Geologic Structure

The Project Area bedrock has been heavily faulted and folded by north-northwest trending strike-slip faults (Figure 3.2). The most significant faults passing through the Project Area include the Pilarcitos Fault and the Seal Cove Fault (a splay of the San Gregorio Fault Zone [USGS, 2014]). These faults are right-lateral strike-slip faults trending northwest-southeast. Other smaller faults, likely associated with the aforementioned, make up the fault zones associated with the Pilarcitos and Seal Cove Faults. The San Andreas Fault, although outside of the Project Area, boarders the Project Area to the east. Although the lateral motion of the strike-slip faulting dominates the tectonic regime throughout the Project Area, thrust faulting resulting from the oblique geometry of the local fault zones is also present.

The compressional forces (i.e., thrust faulting) along the Pilarcitos and Seal Cove fault zones has resulted in the uplift and deformation of bedrock in the Project Area (USGS, 2014a). Most notably, right-lateral motion along the Pilarcitos and Seal Cove Faults have created a synclinal fold (a U-shaped folding of bedrock) dipping to the west-northwest, sub-perpendicular to the trend of local strike-slip faults, in rocks consisting of Miocene to Paleocene-age (5.3 to 66 million years old) marine rocks (i.e., sandstone, shale, siltstone, conglomerate, and breccia). The synclinal fold dips to the northwest away from the Santa Cruz Mountains to the east (USGS, 2014).

Faults commonly serve as barriers to groundwater movement, while in rock aquifers, the broken areas along faults may provide conduits to flow. The effects of these geologic structures on the hydraulic characteristics of the aquifers (e.g., the ability for the faults to impede groundwater movement) is unclear. At this time, we do not have the raw data for the aquifer testing reported in Todd (2003). Should those data become available, review may provide insight into this issue.

3.4 Regional Groundwater Inflow and Outflow

The volume of water in storage is an important aspect of the groundwater system. Changes in storage are identified in the field by changes in groundwater levels. A fundamental groundwater equation and the basis for evaluations of groundwater budgets (inflow vs. outflow estimates) is provided below:

Inflow – Outflow = Change in Storage

When outflow (groundwater discharge both directly in-basin or through underflow to surrounding basins) exceeds inflow (groundwater recharge in basin plus contributions from surrounding basins), there is a negative change in groundwater in storage and groundwater levels can be expected to decline. When inflow exceeds outflow, the reverse is true. When the system is in equilibrium, water levels will generally remain relatively constant despite short-term fluctuations. Where they occur, long-term groundwater level declines are a clear indication that outflow has been exceeding inflow for an extended period. It should also be noted that in many areas, the recovery of groundwater levels following groundwater being removed from storage can take much longer than the period it took to decline, depending on the volume removed from storage, groundwater recharge, precipitation trends, and the geology of the basin.

Many factors affect the ability of water to reach the groundwater system as recharge (e.g., inflow), including the character of the rainfall events, surface soil characteristics, and evaporation rate. Frequently it is simpler, and more accurate, in a basin with relatively stable groundwater levels to calculate outflows and then assume that the total outflows are equal to the total inflows (groundwater recharge in the Project Area being the largest contributor).

With respect to the Proposed Recycled Water Project, each alternative will result in their own specific effects on the groundwater budget. Numerical groundwater models are ideal tools for evaluating these changes as they can evaluate the interdependency of these aspects of the aquifer system(s). They also provide a means for evaluating the internal consistency of the assumptions in the conceptual model.

3.4.1 Inflow Components

The primary inflows to the Project Area include rainfall recharge, deep percolation from irrigation water, subsurface inflow, stream recharge, and leakage from pipelines. See Table 3.1 for the average inflow values estimated by others for the Project Area. In the sub-sections below, only the inflows with significant contributions to regional groundwater are discussed in detail.

Rainfall Recharge

This is the portion of precipitation that falls on the land surface and percolates directly to recharge. As previously mentioned, the average annual precipitation at the Half Moon Bay Terrace station (period of record from 1939 through 2016) is 26.2 inches, with more than half of that precipitation falling during November through February. A portion of that precipitation will percolate to the aquifer system as recharge.

Percolation from Irrigation Water

Within the Project Area, irrigation is used primarily for agricultural and landscaping purposes. A portion of the water that is applied for irrigation percolates down through the soil and into the groundwater basin. Note, if the water applied for irrigation comes from a source outside the Project Area, then it represents inflow. However, if the irrigation source is from local groundwater, it is not considered an inflow, but rather a return flow of groundwater back into the basin.

As previously discussed, within the Half Moon Bay Terrace Groundwater Basin, most of the land (over 40%) is used for agricultural purposes. Therefore, the amount of inflow due to percolation from irrigation water is significant.

Subsurface Inflow

Due to the bedrock units of the Santa Cruz Mountains surrounding the Project Area, underflow from surrounding groundwater basins is likely to be minimal.

Stream Recharge

This is the recharge that percolates to groundwater from streams. Within the Project Area, the following streams (from north to south) discharge into the Half Moon Bay Terrace Groundwater Basin (Figure 1.2; Figure 3.1):

- Martini Creek;
- San Vicente Creek;
- Denniston Creek;
- Arroyo de en Medio;
- Frenchman's Creek;
- Pilarcitos Creek;
- Arroyo Canada Verde;
- Purisima Creek; and
- Lobitos Creek.

The surface water conditions of these creeks were previously discussed in Section 2.

Leakage from Pipelines

Coastside CWD completed a water supply evaluation that discussed leakage from pipes, which represents an inadvertent inflow of imported water to the Half Moon Terrace Groundwater Basin. According to Coastside CWD, unmetered water includes authorized uses such as pipeline flushing and firefighting. It also includes unauthorized uses, such as meter inaccuracy and pipeline leaks (Coastside CWD, 2002; Todd, 2003).

3.4.2 Outflow Components

The primary outflows from the Project Area include subsurface outflow to the Pacific Ocean, groundwater pumping, and hydrophyte and phreatophyte water consumption. See Table 3.2 for the average outflow values estimated by others for the Project Area. In the sub-sections below, only the outflows with significant contributions to regional groundwater are discussed in detail.

Subsurface Outflow to the Ocean

Within the Project Area, the marine terrace aquifer is relatively thin (30 to 50 feet thick) and slopes from east to west, extending under the Pacific Ocean. Similarly, groundwater levels decline from east to west, indicating groundwater flows towards the ocean and out of the groundwater basin (Todd, 2003).

Groundwater Pumping

Groundwater is pumped for agricultural irrigation, landscape irrigation, and domestic use. Of the groundwater pumped, some is returned to the Project Area via percolation (as discussed above); however, some is consumed leading to an outflow of the regional groundwater basin. Ocean Colony Partners operates four wells at the north end of Balboa Boulevard near Kelly Avenue. The water is pumped to irrigate 210 acres of the Half Moon Bay Golf Links (Todd, 2003).

Hydrophyte and Phreatophyte Water Consumption

Along the creeks (Section 2.1) within the Project Area, there is riparian vegetation – which includes hydrophytes and phreatophytes. Hydrophytes are plants that require the presence of surface water. Phreatophytes are deep-rooted plants that obtain a significant portion of their water requirements from groundwater (like the blue gum eucalyptus, which are prevalent along Pilarcitos Creek [PWA, 2008]). Hydrophytes and phreatophytes transpire more water than other plants and often require more water than rainfall can provide.

3.5 Groundwater Elevation Trends

Within the Project Area, there are a number of groundwater wells (Figure 1.9), consisting of domestic, irrigation, industrial, monitoring, municipal, and water supply wells (GAMA, 2023a; GAMA, 2023b). Where available, information related to water elevation (or depth to water) was extracted and compiled to understand groundwater trends within the Project Area – as displayed in Table 3.3 and Appendix 3.1. Additionally, if available, Well Completion Reports (WCRs)[9] were tabulated and downloaded for selected groundwater monitoring wells (Appendix 3.2). Not only are the downloaded WCRs within Appendix 3.2, but also a Google Earth KMZ of the wells in the Project Area with links to their corresponding WCRs is provided as well. Groundwater elevation data was obtained from the California DWR (California DWR, 2023b), including their California Statewide Groundwater Elevation Monitoring (CASGEM) program (CASGEM, 2023).

Based on records from the California DWR, the current groundwater trends within the Project Area, specifically the Half Moon Bay Terrace Groundwater Basin, are stable (Appendix 3.1; California DWR, 2014). The current, seasonal, and long-term groundwater trends show that the groundwater elevations within the Project Area display either “no trend” (that groundwater levels have neither increased nor decreased) or an increasing trend (that groundwater levels have increased somewhere between 5 to 25 feet; California DWR, 2023c). Rising groundwater levels may be in part a result of the end of a period of prolonged drought conditions. Although stable, depths in groundwater do fluctuate throughout the year, with the depth to groundwater generally the greatest in the summer and shallowest in the winter (California DWR, 2014).

Given the limited thickness of the marine terrace deposits, and stable groundwater levels, a limited volume of storage appears to be available for recycled water if used for groundwater replenishment. Particularly during periods of groundwater highs (e.g. during winter), there may be limitations to the volume of groundwater that can be physically recharged absent a wide-spread recharge design/network instead of a specific groundwater recharge facility with limited surface area.

The following hydrographs below (which are also located in Appendix 3.3), show a couple examples of the observed groundwater elevations within the Project Area.

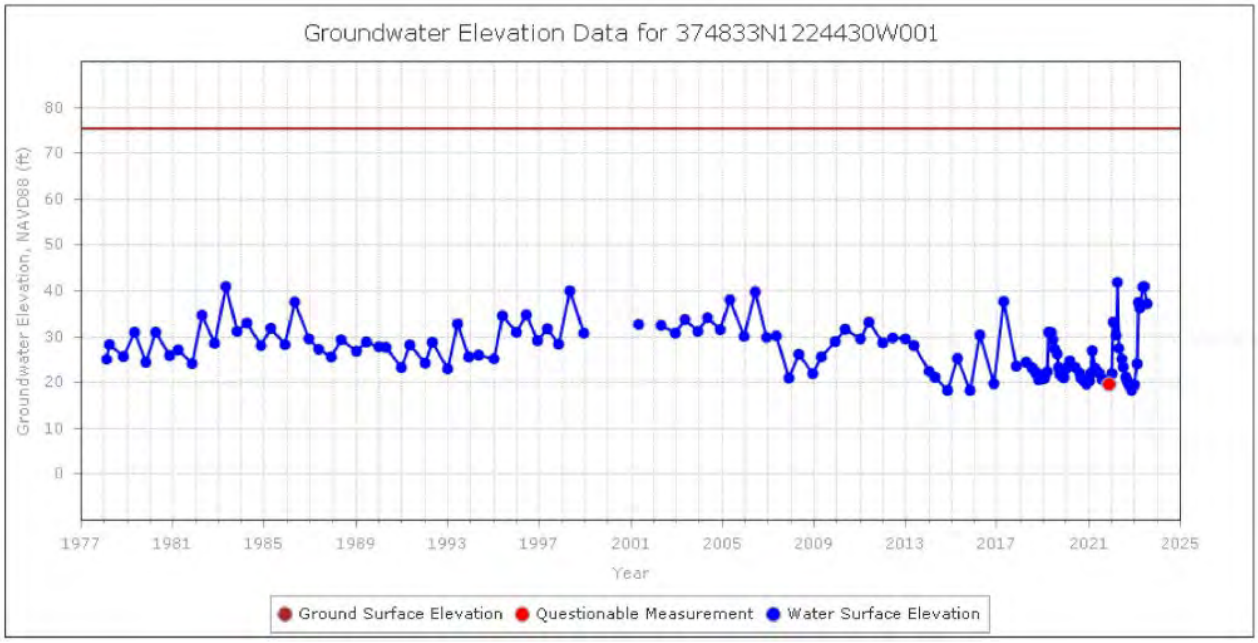
[9] It should be noted that the California DWR is currently working on a Well Completion Report Map Application; however, it is not finalized as the date of this report (California DWR, 2023d).

CASGEM Well ID 7004

CASGEM Well ID 7004 (also referred to as well 374833N1224430W001) is located near Half Moon Bay, California, along Frenchman's Creek Road (see Figure 3.3 below). According to the hydrograph for this well (see Figure 3.4 below), since the late-1970s the groundwater elevations in the well have fluctuated somewhere between 20 and 40 feet amsl. Between the late 1970s and early 2000s, the groundwater elevations had less variation than what is currently observed. Although present day groundwater elevations are approximately 20 feet higher than they were in the late 1970s, they appear to be trending slightly downward (California DWR, 2023c).

Figure 3.3. CASGEM Well ID 7004 Location

Figure 3.4. CASGEM Well ID 7004 Hydrograph

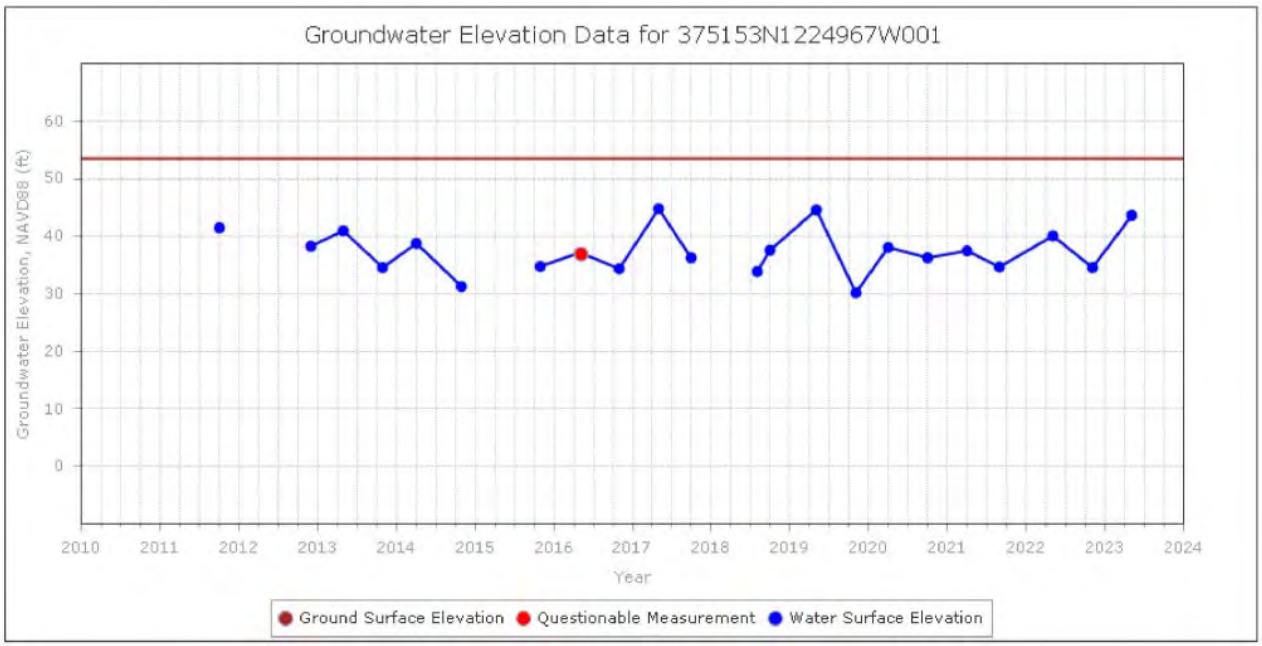


CASGEM Well ID 48471

CASGEM Well ID 48471 (also referred to as well 375153N1224967W001) is located in Moss Beach, California, adjacent to the airport (see Figure 3.5 below). According to the hydrograph for this well (see Figure 3.6 below), since the 2010s the groundwater elevations in the well have fluctuated somewhere between 30 and 45 feet amsl. However, the current groundwater elevations are comparable to the first recorded groundwater elevations in the early 2010s (California DWR, 2023c).

Figure 3.5. CASGEM Well ID 48471 Location

Figure 3.6. CASGEM Well ID 48471 Hydrograph



For additional hydrographs within the Project Area, refer to Appendix 3.3.

3.6 Regional Groundwater Water Quality

The regional groundwater quality surrounding the Project Area has been affected by various human activities, including but not limited to, agriculture (crops and pastureland), gas stations, airports, military facilities, landfills, and private residences. Additionally, natural bedrock may also be impacting the regional groundwater (Todd, 2003).

In previous investigations, groundwater quality was documented as a concern within the Project Area. This is because high concentrations of TDS, iron, and manganese were documented within groundwater wells (California DWR, 2014; Todd, 2003). The TDS concentrations ranged from 300 milligrams per liter (mg/L) to over 700 mg/L, which exceeds the secondary drinking water standard of 500 mg/L. Additionally, concentrations of iron and manganese exceeded their respective drinking water standards. The excessive iron and manganese may originate from the underlying Purisima Formation, which is characterized regionally with high iron and manganese. However, the excessive iron and manganese may also reflect inadequate test well development and removal of suspended sediment (Todd, 2003). The distribution of TDS, iron, and manganese in groundwater within the Project Area is tabulated in Table 3.4 and provided in Appendix 3.4.

Additional details regarding regional groundwater water quality conditions, which include environmental cleanup sites within the Project Area and their potential risk to the underlying aquifer, are discussed in the sub-sections below.

3.6.1 Environmental Cleanup Sites

Within the Project Area, there are 79 environmental cleanup sites listed on the SWRCB's Geotracker website and DTSC's Envirostor website (Table 3.5).[10] These environmental cleanup sites consist of leaking underground storage tank (LUST) sites, cleanup program sites, military cleanup sites, school investigations, and voluntary cleanups. Of the 79 environmental cleanup sites, 60 (over 75%) are related to LUST sites. Of the 79 environmental cleanup sites, 78 have received either a "Completed – Case Closed" or "No Further Action" from SWRCB and/or DTSC. The remaining open case (a LUST cleanup site) is for a private residence in Moss Beach (Envirostor, 2023; GeoTracker, 2023a).

According to the SWRCB, the private residence is a home located on Stetson Street in Moss Beach, California. The nearest surface water is the Pacific Ocean, located approximately 1,000 feet west of the site. Additionally, a portion of the Fitzgerald State Marine Reserve, which the California RWQCB designated as an area of special biological significance, is directly west of the subject site (GeoTracker, 2023b).

In 2002, a 500-gallon heating oil underground storage tank (UST) was removed from the Moss Beach private residence and "significant contamination" was observed in soil beneath the former UST. In 2003, an onsite environmental investigation was conducted, which detected total petroleum hydrocarbons (TPHs) in soil and groundwater at and beneath the site. In 2005, the footprint of the former UST was over-excavated, and 60-tons of TPH-impacted soil was removed from site. In 2008, groundwater monitoring wells were installed at the Moss Beach private residence and quarterly groundwater monitoring began (GeoTracker, 2023b).

[10] Note some of the environmental cleanup sites are duplicative as they are listed in multiple database (i.e., in both GeoTracker and Envirostor).

Even though the site is still listed as “open” and “active,” the last groundwater monitoring report uploaded to GeoTracker was in 2016 (GeoTracker, 2023b). In the 2016 groundwater monitoring report, free product was observed in groundwater at the Moss Beach private residence (TEC Environmental, 2016). Given that no further documents were uploaded to GeoTracker, the status of the cleanup at this site is unknown. For more information related to the Moss Beach private residence environmental cleanup site refer to Appendix 3.5.

3.6.1 Aquifer Risk

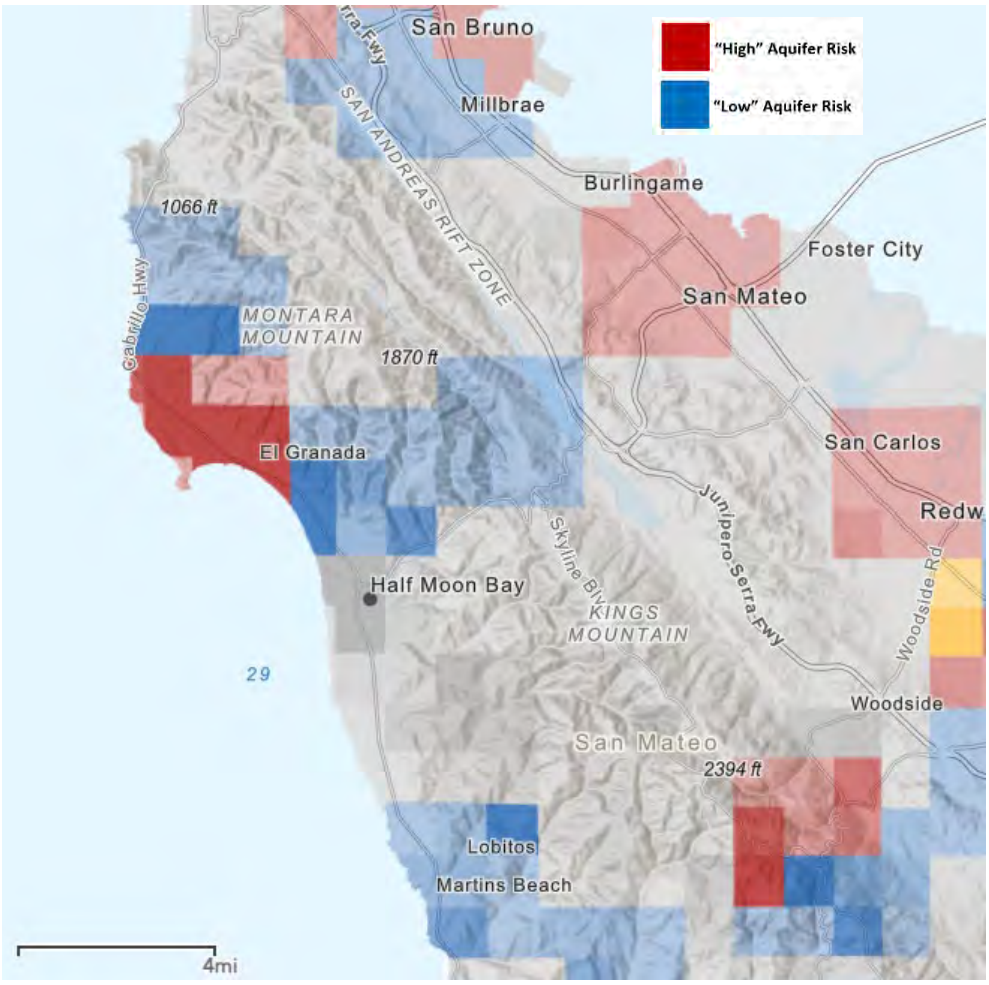
Under SWRCB’s Groundwater Ambient Monitoring and Assessment Program (GAMA) there is a feature called the “Aquifer Risk Map.” This is an interactive tool designed to identify areas where domestic wells (serving less than five connections) and state small water systems (serving between 5 and 15 connections) may be at a relatively higher risk of accessing groundwater that does not meet primary drinking water standards.[11] The Aquifer Risk Map displays “Sections” with unique identification numbers (called a “Section Number” in this report) and ranks the water quality risk as “high,” “medium,” or “low.” Associated with a Section Number is also information related to the contaminants of concern (COC; chemicals above or near their respective primary or secondary MCL) and number of domestic wells within that section (GAMA, 2023c).

Within the Project Area, there are approximately 80 Sections on the Aquifer Risk Map. Of these Sections, 17 are listed as having a “high” aquifer risk because at least one COC is observed in groundwater above its respective MCL. Additionally, other COCs were observed in groundwater close to their respective MCLs. In the Sections with “high” aquifer risk, 15 have domestic groundwater wells present. See Table 3.6 for a full listing of the Aquifer Risk Map Sections within the Project Area.

Figure 3.7, shown below, displays a zoomed-out output from the Aquifer Risk Map near the Project Area. The areas in red are associated with Sections that have a “high” aquifer risk, the areas in blue are associated with Sections that have a “low” aquifer risk, and the areas in gray have no data available (GAMA, 2023c). Based on the output, most of the Sections flagged as having “high” water quality risks are located along the Pacific Ocean, between the towns of Montara and Miramar. For a more detailed version of the Aquifer Risk Map within the Project Area, refer to Appendix 3.6.

[11] The Aquifer Risk Map was developed to fulfill requirements included in Senate Bill 200 (Monning, statues of 2019) and is a component of California’s Safe and Affordable Funding for Equity and Resilience (SAFER) program. The primary purpose of this map interface is to inform Water Boards staff in support of the SAFER annual Fund Expenditure Plan.

Figure 3.7. Aquifer Risk Map Output for the Project Area



Based on the Aquifer Risk Map, the groundwater COCs within the Project Area include the following: 1,2,3-trichloroprone (1,2,3-TCP),[12] aluminum, barium, fluoride, nitrate as nitrogen (NO_3N), and lead (GAMA, 2023a; GAMA, 2023c). The groundwater analytical results for these COCs are displayed in Table 3.7 and Appendix 3.7. Sources of 1,2,3-TCP include industrial areas (like the airport) and landscaping/agricultural areas. Sources of nitrate could include leakage from septic tanks as well as pesticide application. As for aluminum, barium, fluoride, and lead, these COCs are likely from the natural bedrock within the Project Area. However, there are also exceedances of aluminum, barium, and lead around the Ox Mountain Landfill (discussed further below).[13] The presence of aluminum in the groundwater monitoring wells is unusual. Generally, dissolved aluminum is not present in groundwater unless very acidic (pH < 4) or alkaline (pH > 10) conditions are present. Therefore, the aluminum present in the groundwater monitoring wells throughout the Project Area likely exists in the suspended sediment load (Todd, 2003).

Although the Aquifer Risk Map identified the area along the coast, between the towns of Montara and Miramar, as having a “high” risk for groundwater contamination, the distribution for some of the COCs (aluminum, barium, and lead) identifies another potential source: the Ox Mountain Landfill (also known as

[12] 1,2,3-TCP is a man-made hydrocarbon, used as a degreasing and/or cleaning agent. Additionally, 1,2,3-TCP has been found to be an impurity resulting from the production and use of soil fumigants (EPA, 2017).

[13] Note, the Ox Mountain Landfill was not located within either SWRCB’s website (GeoTracker) or DTSC’s website (Envirostor).

the Corinda Los Trancos Landfill). The Ox Mountain Landfill is located at 12310 San Mateo Road in Half Moon Bay, California – along Corinda Los Trancos Creek and in between Nuff Creek and Apanolio Creek, three tributaries that feed into Pilarcitos Creek. This area was likely not flagged by the Aquifer Risk Map, since groundwater wells surrounding the landfill are probably not used for domestic purposes (GAMA, 2023a). The landfill has been used as a solid waste disposal site since 1976 and currently serves as the major disposal site for San Mateo County. The major water quality concern with any landfill is the potential for migration of leachate (Todd, 2003). However, it appears that the landfill has a program in place to reduce the migration of leachate offsite. For additional information about the Ox Mountain Landfill, refer to Appendix 3.8 - which includes responses to public records requests and online queries.

Based on the alternatives being considered, recycled water alternatives such as groundwater replenishment and supplemental flow to Pilarcitos Creek would be in areas of low risk.

4. Findings

4.1 Recycled Water Use and Hydrogeologic Conditions

4.1.1 Groundwater Replenishment Option

Roux evaluated the groundwater replenishment option assuming a recharge facility immediately west of the Half Moon Bay High School (Figure 4.1). The location was provided by WWE. This is an area with "Low Aquifer Risk" as defined in Section 3.7.1. While it is recognized that recharge operations could occur elsewhere, this was assumed the most likely place where a replenishment option could be realized. The key issues that would affect the physical feasibility of this option include the presence or absence of groundwater wells within a 60-day water movement radius from the site based on California state requirements, and to consider the scale and extent of groundwater mounding as a result of percolation or injection of the recycled water in a defined footprint.

Roux used the USEPA seepage calculator (USEPA, 2023) to estimate seepage velocity. The resulting seepage velocity could then be used to estimate an approximation of the 60-day travel distance, based on advection and sorption. Although other factors, for example dispersion, could affect velocity, the lack of hydraulic data in the specific area of the proposed recharge facility, and the associated uncertainty, results in this approximation providing a reasonable, environmentally conservative estimation for the purposes of this report.

Seepage velocity is a function of hydraulic conductivity, the groundwater gradient, and the effective porosity of the soils or rock present. As described earlier, assumptions were made based on results of aquifer testing conducted in the test wells described in Todd (2003) using a range of transmissivities derived from the test wells in the Lower Pilarcitos Wellfield (713 gpd/ft^2, 523 gpd/ft^2, and 302 gpd/ft^2 for high, average, and low values), an assumed hydraulic gradient based on the cross-sections prepared by Todd of 0.01, and a range of effective porosity values of 0.1 to 0.4 (10 to 40 percent). Based on these results, the calculated seepage velocities ranged from 1 ft/day to 9.5 ft/day with a most likely value of 4.75 ft/day (assuming average hydraulic conductivity and 0.2 effective porosity). The resulting 60-day travel distances ranged from 60 feet to 570 feet with a most likely distance of 285 feet. There are no wells within that radius for the proposed recharge location.

Following that review, Roux used the USGS groundwater mounding analysis spreadsheet based on Carleton (2010) that uses the Hantush equation (1967) for estimating mounding beneath an infiltration basin, to evaluate the effect of conducting recharge of recycled water at the location presented in Figure 4.1. Infiltration was assumed at an average recharge of 500,000 GPD and after one year of operation (see Figure 4.2 below). The results indicated that the formation would not be able to accept those volumes of recharge as the predicted groundwater mound was approximately 25 feet, and possibly above ground surface. An average recharge of 125,000 GPD for one year produced results that were more reasonable with mounding of approximately 9 feet (see Figure 4.3 below), and likely 8 feet under the high school facilities. In either case, in the absence of test wells and on-site groundwater data at the proposed location, it was calculated that mounding above the depth to groundwater would occur if recycled water were percolated or injected into groundwater at the proposed location. It is unknown whether mounding of this scale would affect existing underground (or above-ground) infrastructure. It would follow that if the locations of groundwater recharge were more dispersed (e.g. injection wells dispersed widely across the basin), the aquifer system would be

more likely to accept the groundwater recharge without excessive mounding. This would also lead to substantially more infrastructure to move the recycled water to widely dispersed locations.

With all of these estimations, the absence of site-specific hydraulic information makes these analyses conceptual in nature, and actual parameter values could vary widely. However, despite these uncertainties, the conditions that lead to a slow seepage velocity and the lack of effect on downgradient wells in the 60-day period, also lead to excessive mounding. If hydraulic conditions are such that the mounding presented would be less than shown, those conditions would likely also indicate conditions producing a higher seepage velocity, and the greater likelihood of affecting downgradient wells in the 60-day period.

While an expensive, site-specific geotechnical and hydrologic field investigation and associated modeling would refine these analyses and provide greater confidence in this alternative as a feasible option for recharging groundwater using recycled water, the relationships between seepage velocity and mounding lead to this alternative unlikely to be a feasible option.

Figure 4.2 - Mounding 500,000 GPD (y-axis equals mounding in feet, x-axis equals distance from recharge zone)

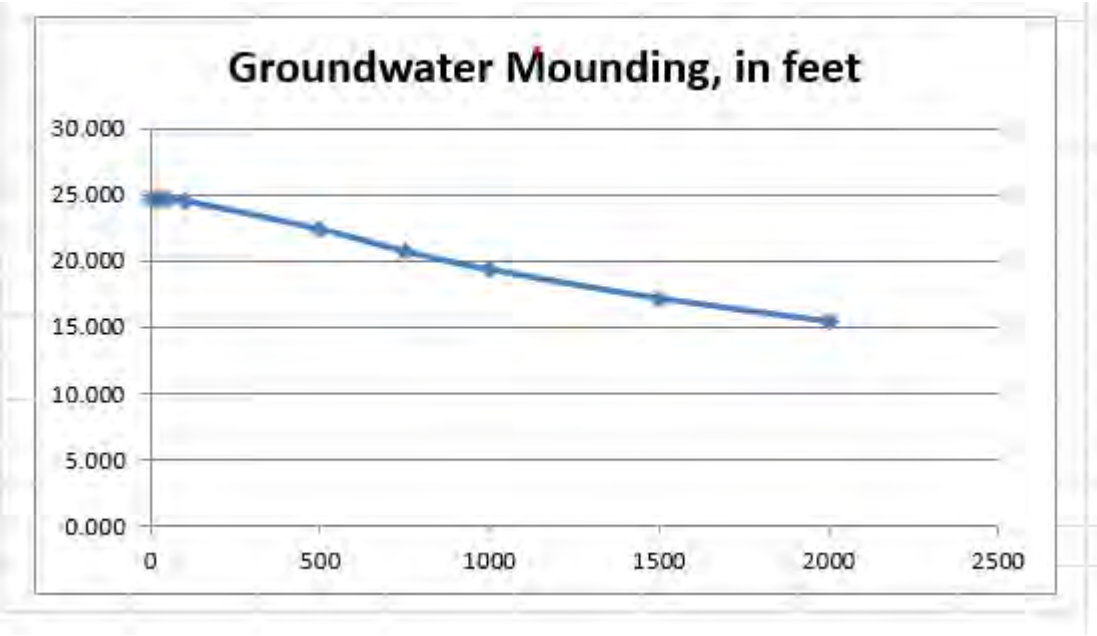
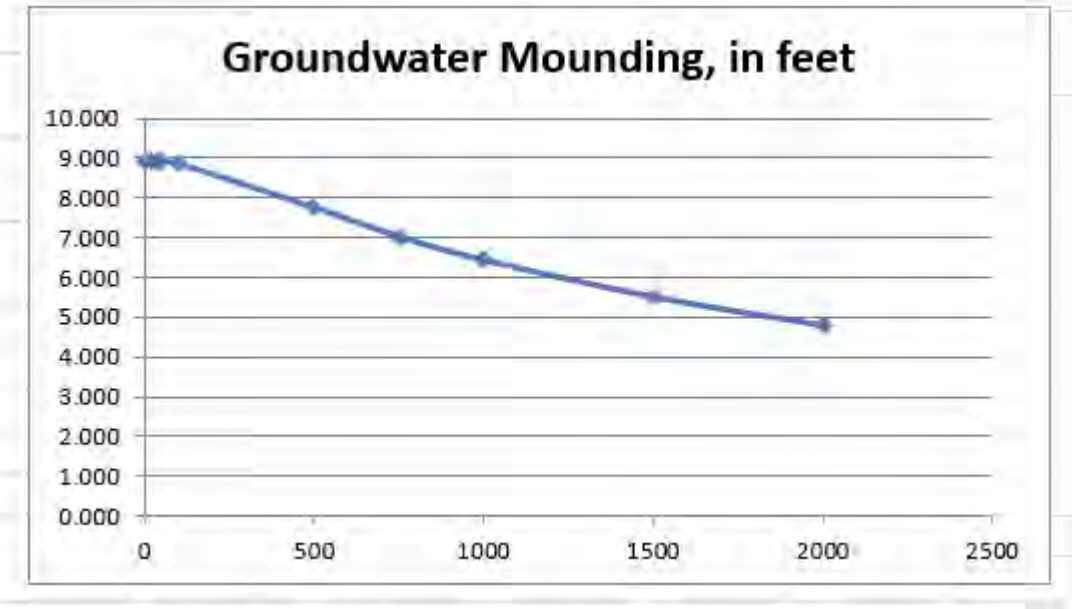


Figure 4.3 - Mounding 125,000 GPD (y-axis equals mounding in feet, x-axis equals distance from recharge zone)



The injection of recycled water into groundwater is considered an indirect potable reuse of recycled water and would be regulated by the State Water Board and the installation of injection wells in the Project Area is under the oversight of the San Mateo Environmental Health Department. Well permits would be required for all drilling activities including aquifer test wells and final groundwater injection wells. Additionally, State Water Board approval of a groundwater injection system would be required.

4.1.2 Surface Water Augmentation Option

As previously discussed in Section 1.5, there are over 100 water rights filed within the Project Area (Table 1.3). For the Proposed Recycled Water Project, if Coastside CWD chooses the Surface Water Augmentation Option, there will need to be consideration as to how it will affect existing surface water rights. For example, along Pilarcitos Creek there are six licensed and/or claimed water rights for domestic purposes. Most of these locations are in the upper reaches of the stream - between Pilarcitos Lake and Highway 92 (Figure 1.6). If Coastside CWD were to augment Pilarcitos Creek with recycled water, the quality of the recycled water cannot impair an individual's source of domestic water.

Additionally, the same can be said about irrigation water. Along Pilarcitos Creek there are seven licensed and/or claimed water rights for irrigation purposes. Most of these rights are along the reach of the creek that runs parallel to Highway 92 (Figure 1.6). The users of these irrigation water rights divert water from Pilarcitos Creek for various agricultural purposes, like crops, flowers, Christmas trees, and some irrigated pasture (Todd, 2003). Although California allows the use of recycled municipal wastewater for agriculture (EPA, 2023), if Coastside CWD were to augment Pilarcitos Creek with recycled water, the quality of the recycled water

cannot impair an individual's source of irrigation water. For example, if the recycled water has salinity levels above a crop's "salinity threshold"[14] it could negatively impact the yield of a crop (Grattan, 2003).

Also, there are water reuse specifications when using recycled water for agricultural purposes – which contains water quality and sampling requirements based on crop type (EPA, 2023). Table 4.1 summarizes these reuse specifications, which includes:

- Food crops where the recycled water has come into contact with the edible portion of the plant, daily Total Coliform sampling is required;
- Food crops where the recycled water has come into contact with the edible portion of the plant, continuous sampling of turbidity is required; and
- Ornamental nursery stock, where irrigation does not occur 14-days prior to harvesting, sampling of dissolved oxygen, nitrogen, and phosphorous is required (although sampling frequency is not stated).

Although the Surface Water Augmentation Option is not necessarily direct discharge of recycled water to agricultural lands, the water reuse specifications should be considered to ensure that water right holders are not negatively affected by the proposed recycled water project. Due to the discharge of recycled water to a water body of the United States and the anticipated hydrologic and biological impacts of increased flow to Pilarcitos Creek, an NPDES and Lake and Streambed Alteration (LSA) permit will likely be required to implement such a reuse scenario. A General Permit for the discharge of recycled water to Waters of the State does not exist and as a result, an Individual NPDES Permit would be required. Individual Permits are evaluated on a case-by-case basis and may require rigorous technical assessment to confirm discharged water would not exceed project specific effluent limits.

Other considerations to deliberate regarding the Surface Water Augmentation Option, is how discharge of recycled water may (1) alter the stream's characteristics (such as stream discharge, peak streamflow, stream channel width and depth) and (2) impact animal and plant species within the riparian area. For example, will surface water augmentation cause flooding and/or bank erosion if the addition of recycled water accidentally increased stream discharge beyond what the stream channel can naturally manage? Also, will the addition of recycled water accidentally impact federally-listed threated species like the steelhead trout (PWA, 2008)? Due to the likelihood of stream bank and channel alteration resulting from an increased flow of water to Pilarcitos Creek, a LSA permit would be required prior to project implementation. In addition to the standard ecological and hydrologic investigation activities required for an LSA permit, CEQA analysis of the project's impacts may be required. A CEQA analysis can result in a rigorous inquiry into a wide range of impacts including impacts to biological resources, water quality, etc.

The Pilarcitos Integrated Watershed Management Plan provides a summary of the existing conditions along Pilarcitos Creek, as well as the other main creeks within the watershed basin (PWA, 2008). This report should be referred to if the Surface Water Augmentation Option is further considered along Pilarcitos Creek.

4.1.3 Wetlands Enhancement Option

Wetland enhancement is not a common use of recycled water; however, examples of this type of reuse have been identified in Pacifica, California, north of the Project Area. Wetland enhancement is the enhancement of existing wetlands that increase a particular function of a wetland while wetland restoration is used to refer to the return of a wetland to a former condition. All wetland enhancement projects are coordinated with the guidance of the CDFW Wetland Conservation Program (CDFW, 2023). As all wetlands are unique, there is

[14] Salinity threshold: the maximum amount of salt a crop can tolerate in the rootzone without reduction in yield.

no established regulatory structure for the enhancement of wetlands; however, the permitting requirements discussed in the following section are likely to apply to any wetland enhancement project.

4.2 Recycled Water Use and Permitting Requirements

This section details the permits that will likely be required to implement the proposed reuse options. This section begins with a general summary of the different permits associated with recycled water reuse and then details the specific permit requirements that should be anticipated for each reuse scenario. For additional information regarding permits, refer to Appendix 4.1.

National Pollution Discharge Elimination System (NPDES) Permit

The NPDES is a federal program authorized under the Clean Water Act of 1977 (EPA, 2010). The State of California has been delegated by the federal government to implement the NPDES program through the State Water Resources Control Board (State Water Board) and the nine Water Quality Control Boards (Regional Water Boards) of California. In California, NPDES permits are also referred to as waste discharge requirements (WDRs) regulating discharged wastewater from municipal and industrial facilities. The San Francisco Regional Water Quality Control Board (SFRWQCB) is the agency branch that issues NPDES permits in the San Francisco Bay Basin including Half Moon Bay. NPDES permit requirements may apply to the stream augmentation and wetland enhancement recycled water reuse options evaluated in this analysis (EPA, 2010).

For effluent discharged to waters of the United States, NPDES permits are required. There are two types of NPDES permits; Individual Permits and General Permits that are issued by the SFRWQCB to allow discharge of wastewater to the waters of the United States within the San Francisco Bay Area (EPA, 2010). Both permit types share many similar components (the general outline of each permit type includes effluent limitations, monitoring and reporting requirements, special conditions, and standard conditions), however, the process of permit issuance varies between Individual and General Permits.

An Individual Permit is issued to a specific facility and is based on specific information the from the permit application and associated sources (i.e., previous permit requirements, discharge monitoring reports, technology and water quality standards, total maximum daily loads, ambient water quality data, and special studies). Following submittal of a permit application, the major steps in the permit development process include: (1) establishing the technology-based effluent limitations; (2) derivation of effluent limitations protective of state water quality standards; (3) anti-backsliding analysis; (4) application of final effluent limitations; (5) development of monitoring and reporting requirements; (6) development of special conditions; (7) incorporation of standard conditions; (8) preparation and publication of fact sheet for review by the public; (9) public comment and response period; (10) Environmental Protection Agency review or Clean Water Act certification; (11) final permit issuance. Upon Individual Permit issuance, the permit is valid for a specific period not to exceed 5 years. Reapplication every five years, at a minimum, is required (EPA, 2010).

A general permit is a pre-established permit permitting the release of a certain type of discharge from common facilities (EPA, 2010). General Permits are issued to permit multiple facilities with similar functions and discharges under the same permit. A facility seeking to discharge effluent regulated under an existing general Permit may apply to be included within the umbrella of that specific general permit. A facility permitted under a general permit can avoid the rigorous permitting process of the individual permit if it can prove that its discharge qualifies under an already established General Permit. The steps to develop a General Permit are similar to the steps detailed above for the Individual Permit, with the addition of an initial study to confirm the following:

- A large number of facilities will be covered by the General Permit;
- The facilities have similar production processes or activities;
- The facilities generate similar pollutants; and,
- Whether uniform water quality-based effluent limitations will appropriately implement water quality standards.

Once the permitting authority has confirmed the above criteria and completed the permitting process as outlined above for the Individual Permit process, the final permit will establish the requirements for the specific information that must be submitted by a facility that wishes to be covered under the General Permit. For a new facility to apply for discharge under an existing General Permit, the facility would only be required to demonstrate compliance with the requirements of the General Permit to be included under the applicable General Permit. The catalogue of NPDES General Permits falls under a list of Program Areas. These program areas include various agricultural, municipal, industrial, and stormwater discharge categories (EPA, 2010).

Lake and Streambed Alteration Permit

The CDFW, under California Code of Regulations (CCR), Fish and Game Code (FGC) Section 1602, manages the LSA Program to protect lakes and streams from potential adverse impacts related to human alterations of water bodies throughout California (CDFW, 2023b). The CDFW requires application for a LSA permit for the following lake and streambed alteration activities:

- Diversion or obstruction of natural flow of any river, stream, or lake;
- Any modification of the bed, channel, or bank of any river, stream, or lake;
- The use of material from any river, stream, or lake; and,
- The deposition or disposal of materials into any river, stream, or lake.

The LSA Program requirements may apply to the following water reuse options evaluated in this analysis:

- Stream augmentation; and,
- Wetland enhancement/restoration.

The LSA Program defines “any river, stream, or lake” as those that are both perennial and episodic in flow. Although CCR FGC 1602 does not speak specifically to the discharge of recycled water to streamflow, the alteration of the streambank at the point of discharge is often observed in the form of erosion and/or armoring of the streambank, construction along the creek for the discharge infrastructure would be required, and the recycled water entering Pilarcitos Creek could be considered disposal of materials. Through the FGC 1602 process, if the proposed project could adversely affect a fish and wildlife resource, appropriate avoidance, minimization, and mitigation would be required. A key concept to tease out in this would be if the proposed discharge could cause hydromodification (alteration of streambed or stream bank as a result of increased flow) that results in a stream alteration.

Notification of any LSA project requires notification through the CDFW Environmental Permit Information Management System (EPIMS). This includes an LSA application and fee in excess of $14,000 (CDFW, 2023c). At the time of project notification, a selection of an LSA Agreement type will be required. Due to the proposed permanent augmentation to Pilarcitos Creek, a long-term Standard Agreement would be the most suitable agreement type for this proposed recycled water use scenario. This agreement is a type of permit and will include the necessary measures, as determined by CDFW, to protect existing fish and wildlife resources within the stream proposed for augmentation. These measures may include installation, repair, or

maintenance of water diversions, culverts, stream crossings, or any other modification of a lake or streams bed, bank, or channel including extraction or deposition of material (i.e., sand or gravel) from/into the stream proposed for augmentation. At the time of application submittal, detailed project design specifications must be submitted, and the project must be prepared to begin in order to qualify for the Standard Agreement.

Additionally, FGC 5650 limits the discharge of any material considered harmful to biological resources into waters of the State of California. Although FGC 5650 does not specify water quality standards, it would prevent the discharge of recycled water impacted with chlorine, organic matter, sediment, or other contaminants that can be harmful to aquatic life (CDFW, 2023b).

California Environmental Quality Act (CEQA) Considerations

Prior to issuance of a LSA Permit, the CDFW is required to comply with all CEQA requirements. CEQA compliance may include any of the following (CDFW, 2023b):

- Negative Declaration: a written statement that an Environmental Impact Review (EIR) is not required because a project will not have a significant adverse impact on the environment.
- Mitigated Negative Declaration (MND): a document that describes a project and its potential environmental impacts and explains how the project has been revised or mitigated to avoid or reduce those impacts to a less than significant level.
- Environmental Impact Review (EIR): an environmental analysis containing information on potential effects, measures to mitigate those effects, and an analysis of alternatives to a proposed project. CEQA requirements may apply to all of the recycled water reuse options evaluated in this analysis.

If an MND or EIR declaration is determined appropriate for the proposed stream augmentation scenario, a specific environmental analysis of the proposed project may be required. A filing fee of approximately $4,000.00 is charged by CDFW to cover the cost of participating in the CEQA review process (CDFW, 2023d).

California Endangered Species Act (CESA) Considerations

An additional consideration of an LSA Permit may include an assessment of endangered or listed species that may be impacted by a stream augmentation project (CDFW, 2023b). A biological assessment of biological resources of Pilarcitos Creek may be required to confirm the presence or absence of endangered and/or listed species prior to the discharge of recycled water. If endangered and/or listed species are identified, an Incidental Take Permit may be required by CDFW prior to implementation of a stream augmentation project.

CESA and incidental take permit requirements may apply to the stream augmentation and wetland enhancement recycled water reuse options evaluated in this analysis.

Well Construction Permits

Subsurface drilling permits in San Mateo County are issued by the San Mateo County Health, Land Use, Septic System, and Water Wells Program (SMCH). The SMCH issues well drilling permits for the installation of new wells (SMCH, 2019). A complete PE 4666 Well Drilling Permit application is submitted to the SMCH for review and approval. The application includes site information, well owner information, property owner information, and drilling contractor information. The fee for a well drilling permit for the 2023/2024 fiscal year is $1,992 per well (SMCH, 2023b).

SMCH permit requirements would only apply to the injection of recycled water under a groundwater replenishment water reuse scenario, or production wells designed to capture replenished groundwater for other uses.

4.3 Data Gaps and Recommendations

There are several data gaps that were identified during the course of this report. These data gaps include:

- The absence of geotechnical or hydrogeologic data in the groundwater replenishment basin area;
- Limited aquifer test data and absence of raw data for previous aquifer tests;
- Limited information relating to effects of faulting on groundwater movement;
- Limited information for much of the basin outside of the Half Moon Bay Terrace Groundwater Basin watershed; and
- Lack of information relating to the number of identified wells that are no longer in use or have been abandoned and where they are located.

In order to address some of the more key issues listed above, Roux is providing three general recommendations, that while enhancing the Proposed Recycled Water Project analysis, would also provide valuable information and/or tools for water resource management.

The first recommendation is related to the condition whereby private wells (not belonging to Coastside CWD) are allowed within the Coastside CWD service area. Given instances such as in the groundwater replenishment option where distances to domestic wells is a key parameter, the knowledge of which wells are no longer active or have been abandoned could provide substantially more flexibility for decision-making around topics for which there are concerns about domestic wells. Roux is providing in this report information related to existing wells, such as well logs, for wells within the Coastside CWD service area and beyond (Appendix 3.2). We recommend that a well-canvassing effort be conducted to identify which of those wells are operational and which can be deemed to be unusable or no longer existing to rule out future decisions that may be based on obsolete consideration.

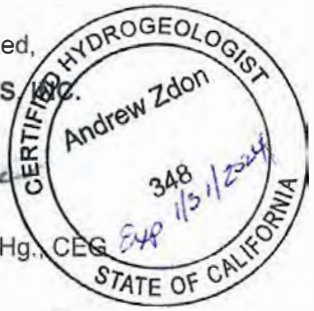
Roux also recommends the construction of a numerical groundwater flow model. That would provide Coastside CWD with a tool that could then be used to quantitatively evaluate effects of various groundwater management (and some surface water management) scenarios that may arise. As described earlier, numerical groundwater flow modeling not only provides a tool for evaluating groundwater flow and water budget conditions, but also is the only method to evaluate the internal consistency of the assumptions built into the understanding of the groundwater basin. This is an important quality assurance/quality control step for decision-making. A model would enhance the confidence in construction of new wells or well-fields designed in a manner that reduces well interference and could be used to optimize groundwater use alternatives. Further, a model could be used to evaluate groundwater-surface water interactions under different groundwater usage scenarios.

The last recommendation is to conduct site-specific hydraulic testing (aquifer testing). The construction of a numerical model would substantially benefit from additional hydraulic testing under controlled pumping and recovery conditions. Thus, evaluating the hydraulic characteristics of aquifer materials in a more widespread area of the Half Moon Bay Terrace Groundwater Basin Watershed.

5. Signatures of Participating Professionals

Respectfully submitted,

ROUX ASSOCIATES, INC.



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TABLES

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1.2 Pilarcitos Creek Watershed Basin Land Use *(in-text)*
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2.2 Purisima Creek Field Measurements *(in-text)*
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3.3 Groundwater Elevation Data within the Project Area
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3.5 Environmental Cleanup Sites within the Project Area
3.6 Aquifer Contamination Risk within the Project Area
3.7 Groundwater Contaminants of Concern within the Project Area
4.1 California Water Reuse for Agriculture Specifications

Table 1.3. Water Rights within the Project Area

Application Number	POD Number	POD ID	Latitude	Longitude	Beneficial Use	Water Right Type	Water Right Status	Water Right Owner	POD Type	POD Status	POD Name	Parcel Number	POD Direct Diversion Rate	Units	POD Storage	Source	POD HUC 12 Name	POD HUC 8 Name	Project Area Location	Document in Appendix 1.2
A011633	2	59310	37.4871	-122.4373	Stockwatering	Appropriative	11/25/1946	Branscomb Farms LLC	Point of Diversion to Offstream Storage	Licensed			0		7.5	FRENCHMANS CREEK	Denniston Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	Yes
A016498	1	14782	37.51632187	-122.3909858	Domestic	Appropriative	08/03/1955	COASTSIDE COUNTY WATER DISTRICT	Point of Direct Diversion	Licensed			1.5	Cubic Feet per Second	0	UNST	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
A016498	4	6158	37.50356009	-122.3816972	Domestic	Appropriative	08/03/1955	COASTSIDE COUNTY WATER DISTRICT	Point of Direct Diversion	Licensed			1.5	Cubic Feet per Second	0	PILARCITOS CREEK	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
A016498	1	6161	37.51745342	-122.3889452	Domestic	Appropriative	08/03/1955	COASTSIDE COUNTY WATER DISTRICT	Point of Direct Diversion	Licensed			1.5	Cubic Feet per Second	0	PILARCITOS CREEK	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
A016498	3	6159	37.50411477	-122.3813664	Domestic	Appropriative	08/03/1955	COASTSIDE COUNTY WATER DISTRICT	Point of Direct Diversion	Licensed			1.5	Cubic Feet per Second	0	PILARCITOS CREEK	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
A016498	5	6157	37.50493302	-122.3817318	Domestic	Appropriative	08/03/1955	COASTSIDE COUNTY WATER DISTRICT	Point of Direct Diversion	Licensed			1.5	Cubic Feet per Second	0	PILARCITOS CREEK	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
A016498	2	6160	37.5068165	-122.3841932	Domestic	Appropriative	08/03/1955	COASTSIDE COUNTY WATER DISTRICT	Point of Direct Diversion	Licensed			1.5	Cubic Feet per Second	0	PILARCITOS CREEK	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
A016619	1	43653	37.49715882	-122.4208414	Irrigation	Appropriative	09/23/1955	BONGARD'S TREESCAPE NURSERY	Point of Storage - Unspecified	Licensed			0	Gallons per Day	0.5	APANOLIO CREEK	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
A016944	1	34927	37.494646	-122.4566335	Irrigation	Appropriative	03/15/1956	JEROME VALLADAO	Point of Direct Diversion	Licensed			0.03	Cubic Feet per Second	0	ARROYO DE EN MEDIO	Denniston Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	Yes
A018864	2	301	37.42858323	-122.4314783	Irrigation	Appropriative	07/21/1959	PETER C SMITH	Point of Storage - Unspecified	Licensed			0	Gallons per Day	20	UNST	Pruisima Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	Yes
A018864	1	302	37.43055625	-122.4284291	Irrigation	Appropriative	07/21/1959	PETER C SMITH	Point of Storage - Unspecified	Licensed			0	Gallons per Day	30	UNST	Pruisima Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	Yes
A019311	1	23187	37.38258796	-122.4051586	Domestic	Appropriative	03/16/1960	WESTERN GENERAL CORPORATION	Point of Direct Diversion	Licensed		066-310-170	1200	Gallons per Day	0	LOBITOS CREEK	Pruisima Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	Yes
A022437	1	1171	37.48800626	-122.3923368	Irrigation	Appropriative	04/01/1966	ROBERT CANADAS	Point of Direct Diversion	Licensed			0.06	Cubic Feet per Second	0	PILARCITOS CREEK	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
A022854	1	29866	37.48155038	-122.4345729	Stockwatering	Appropriative	07/17/1967	KEET NERHAN	Point of Storage - Unspecified	Licensed			0	Gallons per Day	25	UNST	Arroyo Leon	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin & Pilarcitos Creek Watershed	Yes
A025198	1	37498	37.49018784	-122.3761887	Irrigation	Appropriative	11/18/1976	SKYLAWN MEMORIAL PARK	Point of Storage - Unspecified	Permitted			0	Gallons per Day	49	UNST	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
A025354	1	12741	37.506903	-122.4169301	Stockwatering	Appropriative	05/04/1977	PENINSULA OPEN SPACE TRUST	Point of Storage - Unspecified	Permitted			0	Gallons per Day	25	MARTINI CREEK	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
A025354	1	37507	37.55064706	-122.5077878	Stockwatering	Appropriative	05/04/1977	PENINSULA OPEN SPACE TRUST	Point of Storage - Unspecified	Permitted			0	Gallons per Day	25	UNST	Denniston Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	Yes
A025355	1	37508	37.52251274	-122.4984082	Irrigation	Appropriative	05/04/1977	G LEA FAMILY FARMS LLC	Point of Storage - Unspecified	Licensed			0	Gallons per Day	49	UNST	Denniston Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	Yes
A025407	1	29740	37.471	-122.421	Fire Protection	Appropriative	06/27/1977	HALF MOON BAY PROPERTIES LLC	Point of Storage - Unspecified	Permitted			0	Gallons per Day	14	PILARCITOS CREEK	Arroyo Leon	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin & Pilarcitos Creek Watershed	Yes
A025407	1	29741	37.4709	-122.4171	Fire Protection	Appropriative	06/27/1977	HALF MOON BAY PROPERTIES LLC	Point of Storage - Unspecified	Permitted			0	Gallons per Day	14	UNST	Arroyo Leon	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin & Pilarcitos Creek Watershed	Yes
A025462	1	6983	37.45424988	-122.4242169	Irrigation	Appropriative		HALF MOON BAY HERITAGE CO LTD	Point of Storage - Unspecified	Cancelled			0	Gallons per Day	49	ARROYO LEON	Arroyo Leon	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin & Pilarcitos Creek Watershed	Yes
A025462	1	35723	37.45626208	-122.4187552	Irrigation	Appropriative		HALF MOON BAY HERITAGE CO LTD	Point of Storage - Unspecified	Cancelled			0	Gallons per Day	49	UNST	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
A025463	1	6984	37.45306244	-122.4128151	Stockwatering	Appropriative	08/17/1977	PENINSULA OPEN SPACE TRUST	Point of Storage - Unspecified	Licensed			0	Gallons per Day	30	UNST	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
A025463	1	1218	37.45334263	-122.4124776	Stockwatering	Appropriative	08/17/1977	PENINSULA OPEN SPACE TRUST	Point of Storage - Unspecified	Licensed			0	Gallons per Day	1.1	UNST	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
A025464	2	18327	37.45071967	-122.4217139	Irrigation	Appropriative	08/17/1977	PENINSULA OPEN SPACE TRUST	Point of Storage - Unspecified	Licensed			0	Acre-feet per Year	9.2	UNST	Arroyo Leon	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin & Pilarcitos Creek Watershed	Yes
A025464	1	29777	37.45158845	-122.4189797	Irrigation	Appropriative	08/17/1977	PENINSULA OPEN SPACE TRUST	Point of Storage - Unspecified	Licensed			0	Acre-feet per Year	22.2	ARROYO LEON	Arroyo Leon	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin & Pilarcitos Creek Watershed	Yes
A025464	4	51543	37.4522	-122.4219	Irrigation	Appropriative	08/17/1977	PENINSULA OPEN SPACE TRUST	Point of Direct Diversion	Licensed			22.2	Acre-feet per Year	0		Arroyo Leon	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin & Pilarcitos Creek Watershed	Yes
A025464	3	41490	37.44495894	-122.4212211	Irrigation	Appropriative	08/17/1977	PENINSULA OPEN SPACE TRUST	Point of Storage - Unspecified	Licensed			0	Acre-feet per Year	13	UNST	Pruisima Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	Yes
A025465	2	41491	37.454	-122.4238	Stockwatering	Appropriative	08/17/1977	PENINSULA OPEN SPACE TRUST	Point of Direct Diversion	Licensed			49	Acre-feet per Year	0	ARROYO LEON	Arroyo Leon	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin & Pilarcitos Creek Watershed	Yes
A025465	3	20332	37.44657831	-122.4229855	Stockwatering	Appropriative	08/17/1977	PENINSULA OPEN SPACE TRUST	Point of Storage - Unspecified	Licensed			0	Acre-feet per Year	49	UNST	Pruisima Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	Yes
A025465	4	51544	37.4522	-122.4219	Stockwatering	Appropriative	08/17/1977	PENINSULA OPEN SPACE TRUST	Point of Direct Diversion	Licensed			49	Acre-feet per Year	0		Arroyo Leon	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin & Pilarcitos Creek Watershed	Yes
A025465	1	41492	37.4518	-122.4188	Stockwatering	Appropriative	08/17/1977	PENINSULA OPEN SPACE TRUST	Point of Direct Diversion	Licensed			49	Acre-feet per Year	0	ARROYO LEON	Arroyo Leon	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin & Pilarcitos Creek Watershed	Yes
A025748	1	10406	37.50420833	-122.3755069	Irrigation	Appropriative	05/25/1978	SKYLAWN MEMORIAL PARK	Point of Storage - Unspecified	Licensed			0	Gallons per Day	15	UNSP	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
A025748	1	29886	37.50887627	-122.3756242	Irrigation	Appropriative	05/25/1978	SKYLAWN MEMORIAL PARK	Point of Storage - Unspecified	Licensed			0	Gallons per Day	15	UNSP	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
A025748	1	24069	37.50696516	-122.3748865	Irrigation	Appropriative	05/25/1978	SKYLAWN MEMORIAL PARK	Point of Storage - Unspecified	Licensed			0	Gallons per Day	15	UNSP	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
A026059	1	18507	37.40573206	-122.4178016	Irrigation	Appropriative	08/07/1979	SAN MATEO CO COMM COLLEGE DISTRICT	Point of Storage - Unspecified	Licensed		066-180-040	0	Gallons per Day	17	UNST	Pruisima Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	Yes
A027617	1	4209	37.43854192	-122.4272572	Irrigation	Appropriative	12/28/1982	ROCKET FARMS INC	Point of Storage - Unspecified	Licensed			0	Gallons per Day	5.2	UNST	Pruisima Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	Yes
A027769	3	35523	37.494	-122.4471	Irrigation	Appropriative	06/08/1983	ROCKET FARMS INC	Point of Storage - Unspecified	Permitted			0	Gallons per Day	5	UNST	Denniston Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	Yes
A027769	2	35524	37.4944	-122.4466	Irrigation	Appropriative	06/08/1983	ROCKET FARMS INC	Point of Storage - Unspecified	Permitted			0	Gallons per Day	4	UNST	Denniston Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	Yes
A028075	1	10912	37.46861856	-122.4190729	Fire Protection	Appropriative	12/15/2008	FLORENCE ROLLERI	Point of Storage - Unspecified	Revoked			0	Gallons per Day	25	UNST	Arroyo Leon	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin & Pilarcitos Creek Watershed	Yes
A028075	1	23890	37.47064703	-122.4210207	Fire Protection	Appropriative	12/15/2008	FLORENCE ROLLERI	Point of Storage - Unspecified	Revoked			0	Gallons per Day	25	PILARCITOS CREEK	Arroyo Leon	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin & Pilarcitos Creek Watershed	Yes
A028286	1	3639	37.45850882	-122.4241544	Fish and Wildlife Preservation and Enhancement	Appropriative	10/10/1984	PAM ANDREASEN	Point of Storage - Unspecified	Licensed			0	Gallons per Day	4.5	UNST	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
A028541	1	32278	37.40573206	-122.4178016	Irrigation	Appropriative	08/26/1985	SAN MATEO CO COMM COLLEGE DISTRICT	Point of Storage - Unspecified	Licensed			0	Gallons per Day	5	UNST	Pruisima Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	Yes
A028987	1	35885	37.41546799	-122.4271785	Irrigation	Appropriative	03/16/1987	Giusti Family LLC	Point of Storage - Unspecified	Licensed			0	Gallons per Day	30	UNST	Pruisima Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	Yes
A029776	1	29520	37.5021956	-122.3725254	Irrigation	Appropriative	05/22/1998	SKYLAWN MEMORIAL PARK	Point of Storage - Unspecified	Cancelled			0	Gallons per Day	49	UNST	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
A029776	1	9671	37.5029672	-122.3758205	Irrigation	Appropriative	05/22/1998	SKYLAWN MEMORIAL PARK	Point of Storage - Unspecified	Cancelled			0	Gallons per Day	49	UNST	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
A029776	1	6727	37.50752257	-122.3743833	Irrigation	Appropriative	05/22/1998	SKYLAWN MEMORIAL PARK	Point of Storage - Unspecified	Cancelled			0	Gallons per Day	49	UNST	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
A029776	1	15330	37.50887352	-122.3757966	Irrigation	Appropriative	05/22/1998	SKYLAWN MEMORIAL PARK	Point of Storage - Unspecified	Cancelled			0	Gallons per Day	49	UNST	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
A029776	1	35384	37.5121383	-122.3777754	Irrigation	Appropriative	05/22/1998	SKYLAWN MEMORIAL PARK	Point of Storage - Unspecified	Cancelled			0	Gallons per Day	49	UNST	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
A030080	2	29566	37.39266394	-122.4105801	Irrigation	Appropriative	05/22/1998		Point of Storage - Unspecified	Cancelled			0	Gallons per Day	49	UNST	Pruisima Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	Yes
A030462	1	38830	37.4045197	-122.4247437	Irrigation	Appropriative	06/28/1995	Giusti Family LLC	Point of Storage - Unspecified	Permitted			0	Gallons per Day	128	PURISIMA CREEK	Pruisima Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	Yes
A030462	1	27126	37.41519622	-122.4269992	Irrigation	Appropriative	06/28/1995	Giusti Family LLC	Point of Storage - Unspecified	Permitted			0	Gallons per Day	128	UNST	Pruisima Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	Yes
A030848	1	45995	37.39219784	-122.4181084	Irrigation	Appropriative	11/01/2013	JOHN GIUSTI	Point of Onstream Storage	Permitted		066-270-010	0		49	UNNAMED STREAM	Pruisima Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	Yes
A030848	2	17026	37.3987	-122.4114	Irrigation	Appropriative	11/01/2013	JOHN GIUSTI	Point of Onstream Storage	Permitted		066-270-010	0		30	UNNAMED STREAM	Pruisima Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	Yes
A032011	2	59466	37.4965	-122.3998	Fish and Wildlife Preservation and Enhancement	Appropriative	06/06/2014	VULCAN MATERIALS COMPANY-CALMAT	Point of Rediversion Point of Onstream Storage	Permitted			0		147	UNNAMED STREAM	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
A032011	1	59465	37.4969	-122.3994	Fish and Wildlife Preservation and Enhancement	Appropriative	06/06/2014	VULCAN MATERIALS COMPANY-CALMAT	Point of Diversion to Offstream Storage	Permitted			0		147	NUFF CREEK	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes

Table 1.3. Water Rights within the Project Area

Application Number	POD Number	POD ID	Latitude	Longitude	Beneficial Use	Water Right Type	Water Right Status	Water Right Owner	POD Type	POD Status	POD Name	Parcel Number	POD Direct Diversion Rate	Units	POD Storage	Source	POD HUC 12 Name	POD HUC 8 Name	Project Area Location	Document in Appendix 1.2
S000405	1	30352	37.37702908	-122.4091476	Irrigation	Statement of Div and Use	05/05/2007		Point of Storage - Unspecified	Inactive			0	Gallons per Day	0	LOBITOS CREEK	Pruisima Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	Yes
S001150	1	16211	37.44032999	-122.4018086	Domestic	Statement of Div and Use	06/01/2004		Point of Storage - Unspecified	Inactive			0	Gallons per Day	0	ARROYO LEON	Arroyo Leon	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin & Pilarcitos Creek Watershed	Yes
S001617	1	16246	37.48347442	-122.4177313	Domestic	Statement of Div and Use	01/01/1975	RONALD D BONGARD	Point of Direct Diversion	Claimed			0.7	Cubic Feet per Second	0	APANOLIO CREEK	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
S001856	1	10754	37.49102119	-122.392758	Irrigation	Statement of Div and Use	01/01/1975	BRUCE LINTT	Point of Direct Diversion	Claimed			0.08	Cubic Feet per Second	0	NUFF CREEK	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
S001857	1	19349	37.48828639	-122.3919991	Irrigation	Statement of Div and Use	08/01/2008	FORREST G PRATHER	Point of Direct Diversion	Inactive			0.08	Cubic Feet per Second	0	PILARCITOS CREEK	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
S002061	1	15776	37.49659675	-122.4549607	Irrigation	Statement of Div and Use	04/23/2008	THOMAS CLYNE	Point of Storage - Unspecified	Inactive			0	Gallons per Day	0	ARROYO DE EN MEDIO	Denniston Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	Yes
S002159	1	27144	37.48380415	-122.397401	Irrigation	Statement of Div and Use	01/01/1975	RONALD A MICKELSEN	Point of Storage - Unspecified	Claimed			0	Gallons per Day	0	PILARCITOS CREEK	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
S003108	1	42872	37.506903	-122.4169301	Irrigation	Statement of Div and Use	09/09/2011	C & M NURSERY	Point of Storage - Unspecified	Inactive			0	Gallons per Day	0	SAN PEDRO CREEK	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
S006256	1	10536	37.47584769	-122.4137438	Domestic	Statement of Div and Use	01/01/1973	ALEX COZZOLINO	Point of Storage - Unspecified	Claimed		056-321-030	0	Gallons per Day	0	PILARCITOS CREEK	Arroyo Leon	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin & Pilarcitos Creek Watershed	Yes
S007390	1	13865	37.506903	-122.4169301	Domestic	Statement of Div and Use	01/01/1974	OLIVIA FOX	Point of Direct Diversion	Claimed			500	Gallons per Day	0	SAN PEDRO CREEK	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
S008861	1	14125	37.43825562	-122.3941765	Domestic	Statement of Div and Use	04/23/2008	COSTELLO, CASSEL & WATSON	Point of Direct Diversion	Inactive			260	Gallons per Day	0	ARROYO LEON	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
S009373	1	8565	37.55335153	-122.5102759	Irrigation	Statement of Div and Use	03/17/1999	PENINSULA OPEN SPACE TRUST	Point of Direct Diversion	Inactive			0.3	Cubic Feet per Second	0	MARTINI CREEK	Denniston Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	Yes
S009379	1	37242	37.45158845	-122.4189797	Irrigation	Statement of Div and Use	05/12/2011	PENINSULA OPEN SPACE TRUST	Point of Direct Diversion	Claimed			1	Cubic Feet per Second	0	ARROYO LEON	Arroyo Leon	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin & Pilarcitos Creek Watershed	Yes
S009380	1	14238	37.45424988	-122.4242169	Irrigation	Statement of Div and Use	05/12/2011	PENINSULA OPEN SPACE TRUST	Point of Direct Diversion	Claimed			1	Cubic Feet per Second	0	ARROYO LEON	Arroyo Leon	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin & Pilarcitos Creek Watershed	Yes
S009381	1	21495	37.45306244	-122.4128151	Irrigation	Statement of Div and Use	05/12/2011	PENINSULA OPEN SPACE TRUST	Point of Direct Diversion	Claimed			0.5	Cubic Feet per Second	0	UNNAMED STREAM	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
S009382	1	2795	37.45158845	-122.4189797	Other	Statement of Div and Use	05/12/2011	PENINSULA OPEN SPACE TRUST	Point of Direct Diversion	Claimed			1	Cubic Feet per Second	0	ARROYO LEON	Arroyo Leon	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin & Pilarcitos Creek Watershed	Yes
S009383	1	8567	37.45158845	-122.4189797	Irrigation	Statement of Div and Use	05/12/2011	PENINSULA OPEN SPACE TRUST	Point of Direct Diversion	Claimed			1	Cubic Feet per Second	0	ARROYO LEON	Arroyo Leon	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin & Pilarcitos Creek Watershed	Yes
S009384	1	33370	37.48588704	-122.4381327	Irrigation	Statement of Div and Use	08/15/1977	KN PROPERTIES	Point of Direct Diversion	Claimed			0.753	Cubic Feet per Second	0	FRENCHMANS CREEK	Denniston Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	Yes
S009449	1	19943	37.41008048	-122.4037935	Domestic	Statement of Div and Use	07/26/2011	ELKUS 4-H RANCH	Point of Direct Diversion	Inactive			10700	Gallons per Day	0	PURISIMA CREEK	Pruisima Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	Yes
S009673	1	30846	37.50339006	-122.3751415	Irrigation	Statement of Div and Use	09/28/2018	SKYLAWN MEMORIAL PARK	Point of Direct Diversion	Inactive			0.1	Cubic Feet per Second	0	UNSP	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
S011428	1	16030	37.4902208	-122.3741211	Irrigation	Statement of Div and Use	09/28/2018	SKYLAWN MEMORIAL PARK	Point of Direct Diversion	Inactive			0.1	Cubic Feet per Second	0	UNST	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
S012205	1	19379	37.43857734	-122.3912563	Stockwatering	Statement of Div and Use	04/11/1985	ROBERT P WAEGNER	Point of Direct Diversion	Claimed		066-120-040	0.045	Cubic Feet per Second	0	ARROYO LEON	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
S012236	1	8096	37.4785	-122.4063	Irrigation	Statement of Div and Use	08/06/1985	AUGUST J REPETTO	Point of Direct Diversion	Claimed		056-331-090	0.5	Cubic Feet per Second	0	PILARCITOS CREEK	Arroyo Leon	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin & Pilarcitos Creek Watershed	Yes
S013154	1	3274	37.46829333	-122.4221664	Irrigation	Statement of Div and Use	03/29/1988	CITY OF HALF MOON BAY	Point of Direct Diversion	Claimed			0.25	Cubic Feet per Second	0	PILARCITOS CREEK	Arroyo Leon	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin & Pilarcitos Creek Watershed	Yes
S013234	1	26062	37.48455591	-122.4187933	Irrigation	Statement of Div and Use	07/26/2011	KARL H FAIGLE	Point of Direct Diversion	Inactive			0.045	Cubic Feet per Second	0	APANOLIO CREEK	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
S013383	1	44668	37.48455591	-122.4187933	Irrigation	Statement of Div and Use	07/25/2011	KARL H FAIGLE	Point of Direct Diversion	Inactive			0.045	Cubic Feet per Second	0	APANOLIO CREEK	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
S013818	1	37979	37.48181247	-122.4016593	Irrigation	Statement of Div and Use	05/20/2002		Point of Direct Diversion	Inactive			0.133	Cubic Feet per Second	0	PILARCITOS CREEK	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
S013893	1	26295	37.47056787	-122.4425602	Irrigation	Statement of Div and Use	06/25/1992	DINO E ANDREOTTI	Point of Direct Diversion	Claimed		056-071-130	0.557	Cubic Feet per Second	0	PILARCITOS CREEK	Arroyo Leon	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin & Pilarcitos Creek Watershed	Yes
S013932	1	3525	37.47057072	-122.4423879	Irrigation	Statement of Div and Use	06/24/1992	DINO E ANDREOTTI	Point of Storage - Unspecified	Claimed		056-071-12,19	0	Gallons per Day	0	PILARCITOS CREEK	Arroyo Leon	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin & Pilarcitos Creek Watershed	Yes
S013933	1	38014	37.4707961	-122.4370515	Irrigation	Statement of Div and Use	07/30/2008	LENA M MATTEUCCI	Point of Storage - Unspecified	Inactive			0	Gallons per Day	0	PILARCITOS CREEK	Arroyo Leon	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin & Pilarcitos Creek Watershed	Yes
S014168	1	10697	37.50130573	-122.4192241	Domestic	Statement of Div and Use	03/21/1994	GILBERT B GOSSETT II	Point of Direct Diversion	Claimed		056-530-040	3600	Gallons per Day	0	UNSP	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
S014169	1	33480	37.50144583	-122.4190553	Domestic	Statement of Div and Use	03/21/1994	GILBERT B GOSSETT II	Point of Direct Diversion	Claimed		056-530-040	3600	Gallons per Day	0	UNSP	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
S014170	1	16233	37.500765	-122.418693	Irrigation	Statement of Div and Use	03/21/1994	GILBERT B GOSSETT II	Point of Direct Diversion	Claimed		056-530-040	0.28	Cubic Feet per Second	0	UNSP	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	Yes
S014171	1	4846	37.5009051	-122.4185242	Irrigation	Statement of Div and Use	03/21/1994	GILBERT B GOSSETT II	Point of Direct Diversion	Claimed		056-530-040	0.08	Cubic Feet per Second	0	UNXX	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	
S014919	1	4934	37.48348784	-122.3999784	Irrigation	Statement of Div and Use	02/11/2014	VINCENT J COZZOLINO	Point of Storage - Unspecified	Inactive			0	Gallons per Day	0	PILARCITOS CREEK	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	
S015344	1	39536	37.43801431	-122.3921033	Irrigation	Statement of Div and Use	05/03/2006	NANCY MULLINS	Point of Direct Diversion	Inactive			0.44	Cubic Feet per Second	0	ARROYO LEON	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	
S015860	1	22827	37.55304178	-122.4219356	Municipal	Statement of Div and Use	10/17/2005	CITY AND COUNTY OF SAN FRANCISCO PUC AGM WATER ENTERPRISE	Point of Storage - Unspecified	Claimed			0	Gallons per Day	3100	PILARCITOS LAKE	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	
S015977	1	22862	37.52582683	-122.3977802	Industrial	Statement of Div and Use	05/31/2006	CITY AND COUNTY OF SAN FRANCISCO PUC AGM WATER ENTERPRISE	Point of Direct Diversion	Claimed			65.56	Cubic Feet per Second	0	PILARCITOS CREEK	Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	
S016844	1	56010	37.3918	-122.4181	Irrigation	Statement of Div and Use	11/01/2013	JOHN GIUSTI	Point of Direct Diversion	Inactive			1.114	Cubic Feet per Second	0	PURISIMA RESERVOIR	Pruisima Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	
S016845	1	52328	37.4045	-122.4245	Irrigation	Statement of Div and Use	06/24/2010	JOHN GIUSTI	Point of Direct Diversion	Claimed		066-170-070	1.114	Cubic Feet per Second	0	PURISIMA CREEK	Pruisima Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	
S016846	1	56012	37.4021	-122.4129	Irrigation	Statement of Div and Use	06/24/2010	JOHN GIUSTI	Point of Direct Diversion	Claimed			0.891	Cubic Feet per Second	0	PURISIMA CREEK	Pruisima Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	
S016847	1	56011	37.4003	-122.4117	Irrigation	Statement of Div and Use	11/01/2013	JOHN GIUSTI	Point of Direct Diversion	Inactive			1.114	Cubic Feet per Second	0	SANTINI RESERVOIR	Pruisima Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	
S022526	1	59648	37.4718	-122.4205	Irrigation	Statement of Div and Use	02/06/2012	HALF MOON BAY PROPERTIES LLC	Point of Direct Diversion	Claimed			0.45	Cubic Feet per Second	0	PILARCITOS CREEK	Arroyo Leon	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin & Pilarcitos Creek Watershed	Yes
S024715	1	63744	37.4522	-122.4218	Irrigation	Statement of Div and Use	12/30/2014	PENINSULA OPEN SPACE TRUST	Point of Direct Diversion Point of Diversion to Offstream Storage	Claimed	ARROYO LEON	064-370-070	0.016	Cubic Feet per Second	49	ARROYO LEON	Arroyo Leon	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin & Pilarcitos Creek Watershed	
S025017	1	64653	37.4853	-122.4401	Stockwatering	Statement of Div and Use	06/29/2015	GLORIA FARMS, LLC	Point of Direct Diversion Point of Diversion to Offstream Storage	Claimed	Sidestream Gallery	048-310-040	100	Gallons per Minute	3.89	FRENCHMANS CREEK	Denniston Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	
S025033	1	64672	37.4854	-122.4401	Irrigation	Statement of Div and Use	06/29/2015	Florina Farms LLC	Point of Direct Diversion	Claimed	Sidestream Gallery	048-310-170; 048-310-180; 048-310-030	100	Gallons per Minute	3.89	FRENCHMANS CREEK	Denniston Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	
S028404	1	79095	37.552816	-122.50923	Irrigation	Statement of Div and Use	06/25/2020	PENINSULA OPEN SPACE TRUST	Point of Direct Diversion	Claimed	Ocean View Farms Diversion Works	036-330-050	0		0	Martini Creek	Denniston Creek-Frontal Pacific Ocean	San Francisco Coastal South	Half Moon Bay Terrace Groundwater Basin	
T032649	2	65819	37.508	-122.3864	Municipal	Temporary Permit	06/01/2016	COASTSIDE COUNTY WATER DISTRICT	Point of Direct Diversion	Cancelled	POD 2		0		0		Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	
T032649	1	65818	37.5049	-122.3846	Municipal	Temporary Permit	06/01/2016	COASTSIDE COUNTY WATER DISTRICT	Point of Direct Diversion	Cancelled	POD 1		0		0		Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	
T032649	3	65820	37.5083	-122.386	Municipal	Temporary Permit	06/01/2016	COASTSIDE COUNTY WATER DISTRICT	Point of Direct Diversion	Cancelled	POD 3		0		0		Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	
T032649	4	65821	37.5088	-122.3856	Municipal	Temporary Permit	06/01/2016	COASTSIDE COUNTY WATER DISTRICT	Point of Direct Diversion	Cancelled	POD 4		0		0		Arroyo Leon	San Francisco Coastal South	Pilarcitos Creek Watershed	

Notes

Blank cell = information related to water right is not available.

Cancelled = A claim application that has been cancelled before assigning to an entity.

Claimed = Active. A private property right to use water, not to own water.

HUC = Hydrologic Unit Code

Inactive = Pause on a water right.

Licensed = The water right license is a vested right that confirms your actual use. If you have not used all the water allowed by your permit, or if you have used water unreasonably, you will receive a license for less water than your permit allowed. You will receive a lic

Permitted = A water right permit is an authorization to develop a water diversion and use project. The right to use water is obtained through actual use of water within the limits described in the permit. After you have received a water right permit, constructed your project, and used water, we will inspect your project. If you have used water beneficially and if you comply with all of the conditions in your permit, you will be offered a water right license.

POD = Point of Diversion

Revoked = A revocation is an action in which the State Water Board issues an order that reduces or eliminates a water right license, permit, registration, or certification issued by the Board for any of the reasons specified in California Water Code Section 1675(b), 1410(b), and 1228.4(b). It is considered a “statutory” revocation if the process is initiated by the State Water Board. In the case of a statutory revocation, the owner of the water right proposed to be revoked is formally notified of the proposed revocation and given the opportunity to request a hearing before the Board, if they elect to contest the proposed revocation. A revocation is considered “voluntary,” if the water right holder requests that their right be revoked. In voluntary revocations, the water right holder waives the right to request a hearing before the Board, in advance, by submitting the revocation request form.

Statement of Div and Use = Statement of Diversion and Use -- California Water Code §5101 requires each person or organization that uses diverted surface water or pumped groundwater from a known subterranean stream after December 31, 1965 to file with the State Water Board a Statement of Water Diversion and Use prior to February 1 of the following year.

-- Within the Project Area, water rights were researched in July 2023. It should be noted that some of the posted water rights may be duplicative. Even if an Application ID is listed more than once, it is included within the table.

Reference: California SWRCB, 2023a. eWRIMS – Electronic Water Rights Information Management System, accessed at: https://ciwqs.waterboards.ca.gov/ciwqs/ewrims/EWPublicTerms.jsp.

Table 2.1. USGS Stream Gauge Data for 111626000 - Purisima Creek in Half Moon Bay, California

Discharge, cubic feet per second												
Day of month	Mean of daily mean values for each day for water year of record in, ft3/s (Calculation Period 1958-10-01 -> 1969-10-03)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3.8	17	6.7	5.1	3.5	2	1.3	0.96	0.74	0.68	0.85	1.3
2	3	11	6.4	4.6	3.4	2.6	1.3	0.95	0.75	0.74	0.92	1.9
3	4.4	7.8	5.8	4.3	3.3	2.5	1.3	0.94	0.73	0.69	0.96	1.8
4	5.2	6.8	5.1	4	3.2	2.2	1.4	0.93	0.76	0.65	0.84	1.5
5	8	7.9	5	4.9	3.1	2.1	1.4	0.92	0.75	0.67	0.9	2.9
6	7.9	9.7	6	10	3.1	2	1.3	0.92	0.75	0.69	0.94	1.7
7	7.1	7.4	5.4	9.3	3	2	1.3	0.9	0.76	0.69	0.82	1.6
8	5.2	8.6	4.9	7.6	2.9	2.1	1.3	0.88	0.76	0.67	0.93	1.4
9	4.6	9.4	4.5	8.6	2.9	2.1	1.2	0.89	0.76	0.7	0.9	1.4
10	3.8	9.5	4.1	9	2.9	2.1	1.2	0.85	0.74	0.81	1.2	1.9
11	3.8	9.3	4.1	7.7	2.8	2	1.2	0.85	0.73	0.93	0.93	1.7
12	3.2	8.3	5	6.8	2.7	2	1.2	0.82	0.75	1.4	1.1	1.4
13	4.3	10	5.8	5.8	2.6	2	1.2	0.83	0.77	12	1.1	1.2
14	3.8	9.3	5.2	5.6	2.6	2	1.1	0.83	0.76	4.5	1.5	1.2
15	3.6	13	5.4	5.7	2.5	1.9	1.1	0.83	0.74	2	1.5	2
16	2.7	9.5	9	7.8	2.4	1.8	1.1	0.81	0.72	1.3	1.3	2.7
17	2.4	7.8	7.2	6.5	2.3	1.8	1.1	0.81	0.72	1.1	1.2	2.5
18	2.5	8.6	5.9	6.1	2.2	1.7	1.1	0.8	2.1	1.1	1.2	2.2
19	7.1	8.1	5.2	6.9	2.2	1.7	1	0.83	1	1	1.8	2
20	12	8.6	4.8	6.4	2.2	1.6	1	0.82	0.73	0.97	1.8	2
21	27	8	4.8	6.3	2.1	1.6	0.97	0.79	0.67	0.91	1.2	2.6
22	14	6.7	4.9	6	2.1	1.6	0.98	0.8	0.66	0.89	0.99	5.3
23	6.6	6.7	4.9	5.6	2.1	1.6	0.97	0.8	0.66	0.9	1.2	7.7
24	6.5	6.7	4.7	5.3	2.1	1.5	0.99	0.78	0.65	0.88	1.5	6.4
25	12	6.3	4.5	5.1	2.1	1.5	0.97	0.78	0.62	0.83	1.5	5.8
26	12	5.9	4.2	4.8	2	1.5	0.97	0.77	0.62	0.84	1.5	6.1
27	7.1	5.4	5.1	4.6	2	1.4	0.96	0.74	0.64	0.84	1.1	5.9
28	6.3	5.9	6.1	4.3	2	1.4	0.95	0.74	0.65	0.88	1.1	5.5
29	9.4	2.1	5	4	2	1.3	0.95	0.74	0.66	1	1.3	5.3
30	17		5.1	3.7	2	1.3	0.96	0.72	0.65	0.84	1.1	5.6
31	22		5.6		2		0.97	0.74		0.81		5.1
Mean	**7.7**	**8.3**	**5.4**	**6.1**	**2.5**	**1.8**	**1.1**	**0.8**	**0.8**	**1.4**	**1.2**	**3.1**

Notes

Reference: USGS, 2023. USGS 11162600 PURISIMA C NR HALF MOON BAY CA, accessed at: https://waterdata.usgs.gov/nwis/inventory?site_no=11162600&agency_cd=USGS.

Table 2.3. Purisima Creek Water Quality Data Collected by USGS

Water Quality Parameter	8/29/1977	9/2/2015
Stream Width (ft)		5
Water Temperature (°C)	16.5	15.8
Instantaneous Discharge (cfs)	0.21	
Specific conductance (µS/cm)	805	707
Hydrogen ion, water, unfiltered, calculated (mg/L)	0.00001	
Dissolved Oxygen (mg/L)	9.4	
pH	7.9	
Carbon Dioxide water (u/L)	6.8	
ANC water, fixed end point, field (mg/L)	280	
Bicarbonate, water unfixed, end point, field (mg/L)	340	
Carbonate, water, unfixed end point, field (mg/L)	0	
Nitrate + Nitrite water, filtered (mg/L)	0.05	
Hardness water mg/L as $CaCO_3$ (mg/L)	290	
Non-carbonate hardness water, unfiltered, field (mg/L)	13	
Calcium, water, filtered (mg/L)	84	
Magnesium, water, filtered (mg/L)	20	
Sodium, water, filtered (mg/L)	35	
Sodium, adsorbtion ratio	0.9	
Sodium, fraction of cations, percent	20	
Potassium, water, filtered (mg/L)	3.3	
Chloride, water, filtered (mg/L)	26	
Sulfate, water, filtered (mg/L)	60	
Fluoride, water, filtered (mg/L)	0.5	
Silica, water, filtered as SiO_2 (mg/L)	24	
Boron, water, filtered (mg/L)	100	
Iron, water, filtered (mg/L)	20	
Dissolved solids, water, ton/acre-ft	0.01	

Notes

Blank cells = information not available
µS/cm = Microsiemens per centimeter
°C = Degrees Centigrade
ANC = Acid neutralizing capacity
cfs = Cubic feet per second
$CaCO_3$ = Calcium carbonate
ft = Feet
mg/L = Milligrams per liter
SiO_2 = Silicon dioxide

Reference: USGS, 2023. USGS 11162600 PURISIMA C NR HALF MOON BAY CA, accessed at: https://waterdata.usgs.gov/nwis/inventory?site_no=11162600&agency_cd=USGS.

Table 3.1 Project Area Groundwater Inflows

Inflow Component	Estimated Inflow (AFY)	Area of Estimation	Reference
Rainfall Recharge	822	Lower Pilarcitos Creek Groundwater Basin[1]	Todd, 2003
Percolation from Irrigation	118	Lower Pilarcitos Creek Groundwater Basin[1]	Todd, 2003
Subsurface Inflow through Alluvium	449	Lower Pilarcitos Creek Groundwater Basin[1]	Todd, 2003
Stream Recharge	1,839*	Lower Pilarcitos Creek Groundwater Basin[1]	Todd, 2003
Leakage from Pipelines	95	Half Moon Bay Terrace Groundwater Basin	CCWD, 2002; Todd, 2003
Septic Tank Return	Insignificant	Lower Pilarcitos Creek Groundwater Basin[1]	Todd, 2003
Subsurface Inflow through Bedrock	Insignificant	Lower Pilarcitos Creek Groundwater Basin[1]	Todd, 2003

Notes

*Stream recharge estimated for only Pilarcitos Creek

AFY = Acre feet per year

[1]The Todd, 2003 study only looked at a portion of the Project Area (shaded in blue on Figure 1 in their report)

Table 3.2 Project Area Groundwater Outflows

Outflow Component	Estimated Outflow (AFY)	Area of Estimation	Reference
Subsurface Outflow to the Ocean	1,755	Lower Pilarcitos Creek Groundwater Basin[1]	Todd, 2003
Groundwater Pumping	163	Lower Pilarcitos Creek Groundwater Basin[1]	Todd, 2003
Hydrophyte and Phreatophyte Water Consumption	19*	Lower Pilarcitos Creek Groundwater Basin[1]	Todd, 2003

Notes

*Phreatophyte water consumption estimated for only Pilarcitos Creek

AFY = Acre feet per year

[1]The Todd, 2003 study only looked at a portion of the Project Area (shaded in blue on Figure 1 in their report)

Table 3.3. Groundwater Elevation Data within the Project Area

Groundwater Well ID	Latitude	Longitude	Local Well Number	CASGEM Well ID	Date	Time	No Measurement	Questionable Measurement	Reading at Recording Point	Reading at Groundwater Level	Recording Point to Groundwater Level	Recording Point Elevation	Ground Surface Elevation	Groundwater Elevation	Depth from Ground Surface to Groundwater	Measurement Method	Measurement Accuracy	Collecting Cooperating Agency	Voluntary or CASGEM	Comments
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	2/9/2015	9:30			25.3	0	25.3	67.67	66.53	42.37	24.16	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	Reading taken after three days of rain.
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	7/9/2012	11:24			24.8	0	24.8	67.67	66.53	42.87	23.66	ES - Electric sounder measurement	Unknown	Coastside County Water District	CASGEM	Elevation measurement taken during dry period.
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	8/21/2015	13:30			30.9	0	30.9	67.67	66.53	36.77	29.76	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	10/14/2015	13:10			31.4	0	31.4	67.67	66.53	36.27	30.26	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	2/17/2016	14:31			24.9	0	24.9	67.67	66.53	42.77	23.76	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	6/7/2016	9:20			24.6	0	24.6	67.67	66.53	43.07	23.46	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	Near normal precipitation in winter and spring for watershed.
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	10/27/2016	11:55			30.9	0	30.9	67.67	66.53	36.77	29.76	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	12/5/2016	13:00			30.5	0	30.5	67.67	66.53	37.17	29.36	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	3/16/2017	11:05			21.3	0	21.3	67.67	66.53	46.37	20.16	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	5/31/2017	10:45			23.8	0	23.8	67.67	66.53	43.87	22.66	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	9/5/2017	8:53			31.58	0	31.58	67.67	66.53	36.09	30.44	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	12/28/2017	14:12			29.3	0	29.3	67.67	66.53	38.37	28.16	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	3/23/2018	11:03			25.16	0	25.16	67.67	66.53	42.51	24.02	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	6/21/2018	8:26			27.2	0	27.2	67.67	66.53	40.47	26.06	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	9/18/2018	8:19			29.2	0	29.2	67.67	66.53	38.47	28.06	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	11/26/2018	11:30			29.8	0	29.8	67.67	66.53	37.87	28.66	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	3/14/2019	9:03			20.4	0	20.4	67.67	66.53	47.27	19.26	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	6/27/2019	9:11			25.7	0	25.7	67.67	66.53	41.97	24.56	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	10/4/2019	14:00			31	0	31	67.67	66.53	36.67	29.86	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	1/27/2020	11:08			28.4	0	28.4	67.67	66.53	39.27	27.26	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	8/26/2020	8:30			31	0	31	67.67	66.53	36.67	29.86	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	10/6/2020	10:21			30.6	0	30.6	67.67	66.53	37.07	29.46	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	1/21/2021	13:30			32.7	0	32.7	67.67	66.53	34.97	31.56	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	4/20/2021	12:35			30.3	0	30.3	67.67	66.53	37.37	29.16	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	Dry winter
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	9/17/2021	9:20			32.6	0	32.6	67.67	66.53	35.07	31.46	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	1/24/2022	10:30			22.2	0	22.2	67.67	66.53	45.47	21.06	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	5/10/2022	13:30			28.3	0	28.3	67.67	66.53	39.37	27.16	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	8/15/2022	12:00			31.6	0	31.6	67.67	66.53	36.07	30.46	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	11/16/2022	13:30			32.2	0	32.2	67.67	66.53	35.47	31.06	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	3/9/2023	13:09			22.6	0	22.6	67.67	66.53	45.07	21.46	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	Exceptionally Wet Winter
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	6/14/2023	1:10			24.7	0	24.7	67.67	66.53	42.97	23.56	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	RS took measurement
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	10/31/2012	10:45			27.9	0	27.9	67.67	66.53	39.77	26.76	ES - Electric sounder measurement	0.01 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	1/28/2013	14:05			22.61	0	22.61	67.67	66.53	45.06	21.47	ES - Electric sounder measurement	0.01 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	3/26/2013	13:20			24.45	0	24.45	67.67	66.53	43.22	23.31	ES - Electric sounder measurement	0.01 Ft	Coastside County Water District	CASGEM	measurement taken after three months of below average precipitation (Jan-Mar 2013)
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	7/30/2013	10:35			27.9	0	27.9	67.67	66.53	39.77	26.76	ES - Electric sounder measurement	0.01 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	10/16/2013	8:05			29.2	0	29.2	67.67	66.53	38.47	28.06	ES - Electric sounder measurement	0.01 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	3/4/2014	13:30			28	0	28	67.67	66.53	39.67	26.86	ES - Electric sounder measurement	0.01 Ft	Coastside County Water District	CASGEM	Elevation taken during a wet period but during a dry water year
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	5/30/2014	7:45			27	0	27	67.67	66.53	40.67	25.86	ES - Electric sounder measurement	0.01 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	8/18/2014	13:07			31.2	0	31.2	67.67	66.53	36.47	30.06	ES - Electric sounder measurement	0.01 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	10/23/2014	11:50			32.4	0	32.4	67.67	66.53	35.27	31.26	ES - Electric sounder measurement	0.01 Ft	Coastside County Water District	CASGEM	
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	9/29/2011	13:30			26.5	0	26.5	67.67	66.53	41.17	25.36	ES - Electric sounder measurement	Unknown	Coastside County Water District	CASGEM	Electric Sounding Tape Measurement. Made measurement with existing equipment and new equipment and got the same reading. (DGSI Slope Indicator - Water Level Indicator). Denniston Creek Well Number 6.
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	12/28/2011	9:00			26.9	0	26.9	67.67	66.53	40.77	25.76	ES - Electric sounder measurement	Unknown	Coastside County Water District	CASGEM	Measurement taken during an very dry month of December.
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	3/27/2012	10:37			24.72	0	24.72	67.67	66.53	42.95	23.58	ES - Electric sounder measurement	Unknown	Coastside County Water District	CASGEM	Below normal precipitation for water year to date but elevation measurement taken between a series of productive storms.
373052N1222921W001	37.3052	-122.22921	Well Number 6	46280	5/15/2015	7:45			28.4	0	28.4	67.67	66.53	39.27	27.26	ES - Electric sounder measurement	0.1 Ft	Coastside County Water District	CASGEM	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	3/3/2021	0:00			26	8	18	68.61	67.81	50.61	17.2	ST - Steel tape measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 8
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	11/4/2003	0:00		1 - Pumping	27.5	0	27.5	68.61	67.81	41.11	26.7	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	4/27/2000	0:00			16.8	0	16.8	68.61	67.81	51.81	16	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	10/31/2000	0:00			20.9	0	20.9	68.61	67.81	47.71	20.1	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	4/26/2001	0:00			19.4	0	19.4	68.61	67.81	49.21	18.6	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	4/9/2002	0:00			18.8	0	18.8	68.61	67.81	49.81	18	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	11/19/2002	0:00			24.6	0	24.6	68.61	67.81	44.01	23.8	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	4/16/2003	0:00			18	0	18	68.61	67.81	50.61	17.2	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	4/6/2004	0:00			18.2	0	18.2	68.61	67.81	50.41	17.4	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	11/17/2004	0:00			21.9	0	21.9	68.61	67.81	46.71	21.1	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	4/13/2005	0:00			15.7	0	15.7	68.61	67.81	52.91	14.9	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	11/16/2005	0:00			23.2	0	23.2	68.61	67.81	45.41	22.4	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	5/3/2006	0:00			15.5	0	15.5	68.61	67.81	53.11	14.7	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	11/15/2006	0:00			21.9	0	21.9	68.61	67.81	46.71	21.1	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	4/24/2007	0:00			19.7	0	19.7	68.61	67.81	48.91	18.9	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	11/14/2007	0:00			21.9	0	21.9	68.61	67.81	46.71	21.1	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	4/29/2008	0:00			21	0	21	68.61	67.81	47.61	20.2	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	11/24/2008	0:00			23	0	23	68.61	67.81	45.61	22.2	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	4/16/2009	0:00			17.7	0	17.7	68.61	67.81	50.91	16.9	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	11/17/2009	0:00			22.3	0	22.3	68.61	67.81	46.31	21.5	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	4/22/2010	0:00			16	0	16	68.61	67.81	52.61	15.2	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	12/9/2010	0:00			19.6	0	19.6	68.61	67.81	49.01	18.8	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	5/19/2011	0:00			17.7	0	17.7	68.61	67.81	50.91	16.9	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	10/30/2017	0:00	1 - Pumping					68.61	67.81					Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	1/25/2021	0:00	1 - Pumping					68.61	67.81					Department of Water Resources	CASGEM	Run 8
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	9/7/2021	0:00	2 - Pump house locked					68.61	67.81					Department of Water Resources	CASGEM	Run 08 pump house locked
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	3/20/2020	0:00	7 - Special/Other					68.61	67.81					Department of Water Resources	CASGEM	No measurment do to Covid 19
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	4/20/2020	0:00	7 - Special/Other					68.61	67.81					Department of Water Resources	CASGEM	No measurment do to Covid 19
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	4/25/2023	0:00	7 - Special/Other					66.284	65.073					Department of Water Resources	Voluntary	The RP is the edge of the access hole on the well cap. It is partially under a PVC pipe.
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	10/31/2001	0:00	9 - Temporarily inaccessible					68.61	67.81					Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	12/14/2011	0:00	9 - Temporarily inaccessible					68.61	67.81					Department of Water Resources	Voluntary	COMBO LOCKED CHANGED.
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	11/21/2019	0:00	9 - Temporarily inaccessible					68.61	67.81					Department of Water Resources	CASGEM	Temporarily inaccessible
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	12/19/2019	0:00	9 - Temporarily inaccessible					68.61	67.81					Department of Water Resources	CASGEM	Temporarily inaccessible
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	2/10/2022	0:00		1 - Pumping	17.4	0	17.4	68.61	67.81	51.21	16.6	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 05 - Pumping during monitoring at 12pm.
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	4/5/2022	0:00		1 - Pumping	21.6	0	21.6	68.61	67.81	47.01	20.8	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 05 - Pumping during measurement
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	6/2/2021	0:00		4 - Pumped recently	28.4	0	28.4	68.61	67.81	40.21	27.6	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 08
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	5/2/2012	0:00			17.4	0	17.4	68.61	67.81	51.21	16.6	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	12/6/2012	0:00			17.6	0	17.6	68.61	67.81	51.01	16.8	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	4/25/2013	0:00			22.3	0	22.3	68.61	67.81	46.31	21.5	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	12/9/2013	0:00			25.6	0	25.6	68.61	67.81	43.01	24.8	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	3/5/2014	0:00			20.2	0	20.2	68.61	67.81	48.41	19.4	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	10/27/2014	0:00			28.5	0	28.5	68.61	67.81	40.11	27.7	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	3/27/2015	0:00			21.7	0	21.7	68.61	67.81	46.91	20.9	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	10/23/2015	0:00			30	0	30	68.61	67.81	38.61	29.2	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	3/25/2016	0:00			15.6	0	15.6	68.61	67.81	53.01	14.8	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	10/25/2016	0:00			28.3	0	28.3	68.61	67.81	40.31	27.5	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	3/29/2017	0:00			15	0	15	68.61	67.81	53.61	14.2	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	3/13/2018	0:00			21.8	0	21.8	68.61	67.81	46.81	21	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	6/13/2018	0:00			24.1	0	24.1	68.61	67.81	44.51	23.3	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	7/18/2018	0:00			27.1	0	27.1	68.61	67.81	41.51	26.3	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	8/7/2018	0:00			29.8	0	29.8	68.61	67.81	38.81	29	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	9/6/2018	0:00			28	0	28	68.61	67.81	40.61	27.2	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	10/18/2018	0:00			28.4	0	28.4	68.61	67.81	40.21	27.6	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	11/19/2018	0:00			28.1	0	28.1	68.61	67.81	40.51	27.3	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	12/11/2018	0:00			27.3	0	27.3	68.61	67.81	41.31	26.5	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	1/22/2019	0:00			20.7	0	20.7	68.61	67.81	47.91	19.9	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	2/11/2019	0:00			18.3	0	18.3	68.61	67.81	50.31	17.5	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	3/25/2019	0:00			15.5	0	15.5	68.61	67.81	53.11	14.7	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	4/29/2019	0:00			16.2	0	16.2	68.61	67.81	52.41	15.4	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	5/24/2019	0:00			18.9	0	18.9	68.61	67.81	49.71	18.1	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	6/18/2019	0:00			19.9	0	19.9	68.61	67.81	48.71	19.1	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	7/10/2019	0:00			23.4	0	23.4	68.61	67.81	45.21	22.6	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	8/12/2019	0:00			26.1	0	26.1	68.61	67.81	42.51	25.3	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	9/9/2019	0:00			27	0	27	68.61	67.81	41.61	26.2	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	10/17/2019	0:00			28.9	0	28.9	68.61	67.81	39.71	28.1	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	

Table 3.3. Groundwater Elevation Data within the Project Area

Groundwater Well ID	Latitude	Longitude	Local Well Number	CASGEM Well ID	Date	Time	No Measurement	Questionable Measurement	Reading at Recording Point	Reading at Groundwater Level	Recording Point to Groundwater Level	Recording Point Elevation	Ground Surface Elevation	Groundwater Elevation	Depth from Ground Surface to Groundwater	Measurement Method	Measurement Accuracy	Collecting Cooperating Agency	Voluntary or CASGEM	Comments
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	1/13/2020	0:00			21.1	0	21.1	68.61	67.81	47.51	20.3	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	2/10/2020	0:00			20.9	0	20.9	68.61	67.81	47.71	20.1	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	5/13/2020	0:00			24.3	0	24.3	68.61	67.81	44.31	23.5	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	7/9/2020	0:00			27.7	0	27.7	68.61	67.81	40.91	26.9	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 8
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	8/19/2020	0:00			29	0	29	68.61	67.81	39.61	28.2	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 8
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	9/17/2020	0:00			29.1	0	29.1	68.61	67.81	39.51	28.3	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 8
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	10/13/2020	0:00			29.3	0	29.3	68.61	67.81	39.31	28.5	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 8
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	11/13/2020	0:00			29.4	0	29.4	68.61	67.81	39.21	28.6	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 8
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	12/10/2020	0:00			28.7	0	28.7	68.61	67.81	39.91	27.9	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 8
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	4/13/2021	0:00			24	1	23	68.61	67.81	45.61	22.2	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 8
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	5/6/2021	0:00			25.9	0	25.9	68.61	67.81	42.71	25.1	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 08
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	7/1/2021	0:00			29	0	29	68.61	67.81	39.61	28.2	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 08
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	8/3/2021	0:00			29.7	0	29.7	68.61	67.81	38.91	28.9	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 08
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	10/4/2021	0:00			30.3	0	30.3	68.61	67.81	38.31	29.5	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 08
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	12/9/2021	0:00			23.8	0	23.8	68.61	67.81	44.81	23	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 08
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	1/6/2022	0:00			14.9	0	14.9	68.61	67.81	53.71	14.1	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 08
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	3/1/2022	0:00			18.1	0	18.1	68.61	67.81	50.51	17.3	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 05
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	5/10/2022	0:00			25.6	0	25.6	68.61	67.81	43.01	24.8	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 05 Looks like a new well pump and casing, rp +1.1 ft
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	6/16/2022	0:00			28.4	0	28.4	68.61	67.81	40.21	27.6	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 05
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	7/19/2022	0:00			30.1	0	30.1	68.61	67.81	38.51	29.3	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 05
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	8/3/2022	0:00			30.2	0	30.2	68.61	67.81	38.41	29.4	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 05
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	9/7/2022	0:00			30.4	0	30.4	68.61	67.81	38.21	29.6	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 05
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	10/6/2022	0:00			30.62	0	30.62	68.61	67.81	37.99	29.82	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 05
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	11/3/2022	0:00			30.69	0	30.69	68.61	67.81	37.92	29.89	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 05
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	12/1/2022	0:00			28.87	0	28.87	68.61	67.81	39.74	28.07	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 05
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	1/3/2023	0:00			18.57	0	18.57	68.61	67.81	50.04	17.77	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 05
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	2/22/2023	0:00			18.7	0	18.7	68.61	67.81	49.91	17.9	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 05
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	3/7/2023	0:00			17.73	0	17.73	68.61	67.81	50.88	16.93	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 05
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	4/5/2023	0:00			16	0	16	68.61	67.81	52.61	15.2	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	5/4/2023	0:00			17.51	0	17.51	66.284	65.073	48.774	16.299	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	6/2/2023	0:00			19.45	0	19.45	66.284	65.073	46.834	18.239	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374643N1224317W001	37.4643	-122.24317	Pilarcitos Creek W1	40046	2/2/2021	0:00			22	0.2	21.8	68.61	67.81	46.81	21	ST - Steel tape measurement	0.1 Ft	Department of Water Resources	CASGEM	Run 8
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	12/9/2010	0:00			33.2	0	33.2	49.3	48.8	16.1	32.7	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	4/22/2010	0:00			30.8	0	30.8	49.3	48.8	18.5	30.3	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	12/14/2011	0:00			33.2	0	33.2	49.3	48.8	16.1	32.7	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	4/11/2018	0:00	0 - Measurement Discontinued					49.3	48.8					Department of Water Resources	Voluntary	This well is being removed from the monitoring network because of access issues.
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	3/13/2018	0:00	4 - Can't get tape in casing					49.3	48.8					Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	11/14/2006	0:00	9 - Temporarily inaccessible					49.3	48.8					Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	5/2/2012	0:00			55	22.3	32.7	49.3	48.8	16.6	32.2	ST - Steel tape measurement	0.1 Ft	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	12/6/2012	0:00			45	8.6	36.4	49.3	48.8	12.9	35.9	ST - Steel tape measurement	0.1 Ft	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	4/25/2013	0:00			40	2	38	49.3	48.8	11.3	37.5	ST - Steel tape measurement	0.1 Ft	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	12/9/2013	0:00			41	3.5	37.5	49.3	48.8	11.8	37	ST - Steel tape measurement	0.1 Ft	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	3/5/2014	0:00			40	7	33	49.3	48.8	16.3	32.5	ST - Steel tape measurement	0.1 Ft	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	10/27/2014	0:00			40	2.2	37.8	49.3	48.8	11.5	37.3	ST - Steel tape measurement	0.1 Ft	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	3/27/2015	0:00			38	3.8	34.2	49.3	48.8	15.1	33.7	ST - Steel tape measurement	0.1 Ft	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	10/23/2015	0:00			40	3.4	36.6	49.3	48.8	12.7	36.1	ST - Steel tape measurement	0.1 Ft	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	3/25/2016	0:00			35	4.5	30.5	49.3	48.8	18.8	30	ST - Steel tape measurement	0.1 Ft	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	10/25/2016	0:00			37	3.2	33.8	49.3	48.8	15.5	33.3	ST - Steel tape measurement	0.1 Ft	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	3/29/2017	0:00			33	4.7	28.3	49.3	48.8	21	27.8	ST - Steel tape measurement	0.1 Ft	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	10/30/2017	0:00			35	2.3	32.7	49.3	48.8	16.6	32.2	ST - Steel tape measurement	0.1 Ft	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	4/27/2000	0:00			29.5	0	29.5	49.3	48.8	19.8	29	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	10/31/2000	0:00			32.1	0	32.1	49.3	48.8	17.2	31.6	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	4/26/2001	0:00			31.1	0	31.1	49.3	48.8	18.2	30.6	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	4/9/2002	0:00			30.6	0	30.6	49.3	48.8	18.7	30.1	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	11/19/2002	0:00			33	0	33	49.3	48.8	16.3	32.5	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	4/16/2003	0:00			29.8	0	29.8	49.3	48.8	19.5	29.3	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	11/4/2003	0:00			33.8	0	33.8	49.3	48.8	15.5	33.3	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	4/7/2004	0:00			31.8	0	31.8	49.3	48.8	17.5	31.3	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	11/17/2004	0:00			32	0	32	49.3	48.8	17.3	31.5	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	4/13/2005	0:00			27.9	0	27.9	49.3	48.8	21.4	27.4	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	11/16/2005	0:00			33	0	33	49.3	48.8	16.3	32.5	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	5/3/2006	0:00			26.6	0	26.6	49.3	48.8	22.7	26.1	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	4/24/2007	0:00			32.1	0	32.1	49.3	48.8	17.2	31.6	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	11/15/2007	0:00			34	0	34	49.3	48.8	15.3	33.5	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	4/29/2008	0:00			33	0	33	49.3	48.8	16.3	32.5	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	11/24/2008	0:00			33.6	0	33.6	49.3	48.8	15.7	33.1	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	4/16/2009	0:00			42.7	0	42.7	49.3	48.8	6.6	42.2	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	11/17/2009	0:00			33.6	0	33.6	49.3	48.8	15.7	33.1	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374651N1224410W001	37.4651	-122.2441	05S05W29N001M	7007	5/19/2011	0:00			30.6	0	30.6	49.3	48.8	18.7	30.1	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	5/2/2012	0:00			7.5	0	7.5	53.11	52.81	45.61	7.2	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	12/5/2012	0:00			2.6	0	2.6	53.11	52.81	50.51	2.3	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	4/25/2013	0:00			12.9	0	12.9	53.11	52.81	40.21	12.6	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	10/27/2014	0:00			20.8	0	20.8	53.11	52.81	32.31	20.5	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	3/26/2015	0:00			15.1	0	15.1	53.11	52.81	38.01	14.8	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	10/22/2015	0:00			20.6	0	20.6	53.11	52.81	32.51	20.3	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	3/25/2016	0:00			15.4	0	15.4	53.11	52.81	37.71	15.1	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	10/26/2016	0:00			20.6	0	20.6	53.11	52.81	32.51	20.3	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	3/29/2017	0:00			2.7	0	2.7	53.11	52.81	50.41	2.4	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	10/30/2017	0:00			12.8	0	12.8	53.11	52.81	40.31	12.5	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	3/13/2018	0:00			5	0	5	53.11	52.81	48.11	4.7	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	6/13/2018	0:00			9.1	0	9.1	53.11	52.81	44.01	8.8	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	7/18/2018	0:00			10.6	0	10.6	53.11	52.81	42.51	10.3	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	8/7/2018	0:00			11.3	0	11.3	53.11	52.81	41.81	11	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	9/6/2018	0:00			11.9	0	11.9	53.11	52.81	41.21	11.6	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	10/18/2018	0:00			14.8	0	14.8	53.11	52.81	38.31	14.5	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	11/19/2018	0:00			18.6	0	18.6	53.11	52.81	34.51	18.3	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	12/11/2018	0:00			13.2	0	13.2	53.11	52.81	39.91	12.9	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	1/22/2019	0:00			7.6	0	7.6	53.11	52.81	45.51	7.3	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	2/11/2019	0:00			2	0	2	53.11	52.81	51.11	1.7	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	4/29/2019	0:00			6.7	0	6.7	53.11	52.81	46.41	6.4	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	5/24/2019	0:00			6.2	0	6.2	53.11	52.81	46.91	5.9	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	6/18/2019	0:00			9.2	0	9.2	53.11	52.81	43.91	8.9	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	7/10/2019	0:00			13.5	0	13.5	53.11	52.81	39.61	13.2	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	8/12/2019	0:00			16.3	0	16.3	53.11	52.81	36.81	16	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	9/9/2019	0:00			17.5	0	17.5	53.11	52.81	35.61	17.2	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	10/17/2019	0:00			18.1	0	18.1	53.11	52.81	35.01	17.8	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	11/21/2019	0:00			18.5	0	18.5	53.11	52.81	34.61	18.2	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	12/19/2019	0:00			5.6	0	5.6	53.11	52.81	47.51	5.3	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	1/13/2020	0:00			8.8	0	8.8	53.11	52.81	44.31	8.5	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	2/10/2020	0:00			9.5	0	9.5	53.11	52.81	43.61	9.2	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	5/13/2020	0:00			14.5	0	14.5	53.11	52.81	38.61	14.2	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	7/9/2020	0:00			17.2	0	17.2	53.11	52.81	35.91	16.9	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 8
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	8/19/2020	0:00			19.1	0	19.1	53.11	52.81	34.01	18.8	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 8
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	9/17/2020	0:00			19.2	0	19.2	53.11	52.81	33.91	18.9	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 8
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	10/13/2020	0:00			19.7	0	19.7	53.11	52.81	33.41	19.4	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 8
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	4/27/2000	0:00			14.8	0	14.8	53.11	52.81	38.31	14.5	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	11/1/2000	0:00			15.7	0	15.7	53.11	52.81	37.41	15.4	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	4/26/2001	0:00			11.6	0	11.6	53.11	52.81	41.51	11.3	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	4/10/2002	0:00			11.7	0	11.7	53.11	52.81	41.41	11.4	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	11/19/2002	0:00			17	0	17	53.11	52.81	36.11	16.7	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	4/16/2003	0:00			7.8	0	7.8	53.11	52.81	45.31	7.5	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	CHECKED 3 TIMES

Table 3.3. Groundwater Elevation Data within the Project Area

Groundwater Well ID	Latitude	Longitude	Local Well Number	CASGEM Well ID	Date	Time	No Measurement	Questionable Measurement	Reading at Recording Point	Reading at Groundwater Level	Recording Point to Groundwater Level	Recording Point Elevation	Ground Surface Elevation	Groundwater Elevation	Depth from Ground Surface to Groundwater	Measurement Method	Measurement Accuracy	Collecting Cooperating Agency	Voluntary or CASGEM	Comments
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	11/4/2003	0:00			17.6	0	17.6	53.11	52.81	35.51	17.3		Unknown	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	4/7/2004	0:00			8.9	0	8.9	53.11	52.81	44.21	8.6	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	11/18/2004	0:00			15.7	0	15.7	53.11	52.81	37.41	15.4	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	4/13/2005	0:00			4.2	0	4.2	53.11	52.81	48.91	3.9	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	11/16/2005	0:00			15.2	0	15.2	53.11	52.81	37.91	14.9	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	5/3/2006	0:00			4.3	0	4.3	53.11	52.81	48.81	4	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	11/15/2006	0:00			10.4	0	10.4	53.11	52.81	42.71	10.1	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	4/25/2007	0:00			7.3	0	7.3	53.11	52.81	45.81	7	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	11/15/2007	0:00			14	0	14	53.11	52.81	39.11	13.7	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	4/29/2008	0:00			10.5	0	10.5	53.11	52.81	42.61	10.2	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	11/24/2008	0:00			16.2	0	16.2	53.11	52.81	36.91	15.9	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	4/16/2009	0:00			9.6	0	9.6	53.11	52.81	43.51	9.3	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	11/16/2009	0:00			16.8	0	16.8	53.11	52.81	36.31	16.5	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	4/21/2010	0:00			4	0	4	53.11	52.81	49.11	3.7	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	12/8/2010	0:00			8.7	0	8.7	53.11	52.81	44.41	8.4	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	5/19/2011	0:00			8.2	0	8.2	53.11	52.81	44.91	7.9	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	12/14/2011	0:00			15.5	0	15.5	53.11	52.81	37.61	15.2	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	11/12/2020	0:00	0 - Measurement Discontinued					53.11	52.81					Department of Water Resources	Voluntary	Well removed from network due to lack of construction details.
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	3/20/2020	0:00	7 - Special/Other					53.11	52.81					Department of Water Resources	Voluntary	No measurment do to Covid 19
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	4/20/2020	0:00	7 - Special/Other					53.11	52.81					Department of Water Resources	Voluntary	No measurment do to Covid 19
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	12/9/2013	0:00	9 - Temporarily inaccessible					53.11	52.81					Department of Water Resources	Voluntary	Shed locked/ no access
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	3/4/2014	0:00	9 - Temporarily inaccessible					53.11	52.81					Department of Water Resources	Voluntary	Piece of lumber blocking door/ no acces otherwise
374700N1224326W001	37.47	-122.24326	05S05W29F004M	7006	3/26/2019	0:00	9 - Temporarily inaccessible					53.11	52.81					Department of Water Resources	Voluntary	Access blocked.
374806N1224456W001	37.4806	-122.24456	05S05W19J002M	7005	10/31/2000	0:00	6 - Well has been destroyed					53	52.8					Department of Water Resources	Voluntary	
374806N1224456W001	37.4806	-122.24456	05S05W19J002M	7005	4/26/2001	0:00	6 - Well has been destroyed					53	52.8					Department of Water Resources	Voluntary	
374806N1224456W001	37.4806	-122.24456	05S05W19J002M	7005	4/16/2003	0:00	6 - Well has been destroyed					53	52.8					Department of Water Resources	Voluntary	
374806N1224456W001	37.4806	-122.24456	05S05W19J002M	7005	11/19/2002	0:00	6 - Well has been destroyed					53	52.8					Department of Water Resources	Voluntary	
374806N1224456W001	37.4806	-122.24456	05S05W19J002M	7005	4/10/2002	0:00	6 - Well has been destroyed					53	52.8					Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	5/2/2012	0:00			44	0	44	73.81	72.81	29.81	43	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	12/6/2012	0:00			44.2	0	44.2	73.81	72.81	29.61	43.2	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	4/25/2013	0:00			45.7	0	45.7	73.81	72.81	28.11	44.7	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	12/9/2013	0:00			51.3	0	51.3	73.81	72.81	22.51	50.3	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	3/4/2014	0:00			52.6	0	52.6	73.81	72.81	21.21	51.6	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	10/27/2014	0:00			55.5	0	55.5	73.81	72.81	18.31	54.5	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	spoke wih owner
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	3/26/2015	0:00			48.5	0	48.5	73.81	72.81	25.31	47.5	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	10/22/2015	0:00			55.5	0	55.5	73.81	72.81	18.31	54.5	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	3/25/2016	0:00			43.4	0	43.4	73.81	72.81	30.41	42.4	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	10/25/2016	0:00			54	0	54	73.81	72.81	19.81	53	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	3/29/2017	0:00			36.1	0	36.1	73.81	72.81	37.71	35.1	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	10/30/2017	0:00			50.2	0	50.2	73.81	72.81	23.61	49.2	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	3/13/2018	0:00			49.3	0	49.3	73.81	72.81	24.51	48.3	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	6/13/2018	0:00			50.5	0	50.5	73.81	72.81	23.31	49.5	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	7/18/2018	0:00			50.9	0	50.9	73.81	72.81	22.91	49.9	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	8/7/2018	0:00			51.8	0	51.8	73.81	72.81	22.01	50.8	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	9/6/2018	0:00			51.7	0	51.7	73.81	72.81	22.11	50.7	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	10/18/2018	0:00			53.2	0	53.2	73.81	72.81	20.61	52.2	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	12/9/2018	0:00			53	0	53	73.81	72.81	20.81	52	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	1/22/2019	0:00			52.8	0	52.8	73.81	72.81	21.01	51.8	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	2/11/2019	0:00			51.4	0	51.4	73.81	72.81	22.41	50.4	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	3/26/2019	0:00			42.8	0	42.8	73.81	72.81	31.01	41.8	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	4/29/2019	0:00			42.9	0	42.9	73.81	72.81	30.91	41.9	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	5/24/2019	0:00			44.4	0	44.4	73.81	72.81	29.41	43.4	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	6/18/2019	0:00			46.4	0	46.4	73.81	72.81	27.41	45.4	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	7/10/2019	0:00			47.5	0	47.5	73.81	72.81	26.31	46.5	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	8/12/2019	0:00			50.5	0	50.5	73.81	72.81	23.31	49.5	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	9/9/2019	0:00			51.9	0	51.9	73.81	72.81	21.91	50.9	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	10/17/2019	0:00			52.6	0	52.6	73.81	72.81	21.21	51.6	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	11/21/2019	0:00			52.7	0	52.7	73.81	72.81	21.11	51.7	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	4/20/2020	0:00	7 - Special/Other					73.81	72.81					Department of Water Resources	Voluntary	No measurment do to Covid 19
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	6/2/2021	0:00	7 - Special/Other					73.81	72.81					Department of Water Resources	Voluntary	Run 08 wrote on tank not in book
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	4/25/2023	0:00	7 - Special/Other					76.621	75.402					Department of Water Resources	Voluntary	The RP is at the top edge of the access hole in the well cap.
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	11/19/2018	0:00	9 - Temporarily inaccessible					73.81	72.81					Department of Water Resources	Voluntary	Access blocked.
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	12/19/2019	0:00			50.9	0	50.9	73.81	72.81	22.91	49.9	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	1/13/2020	0:00			50.2	0	50.2	73.81	72.81	23.61	49.2	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	2/10/2020	0:00			49	0	49	73.81	72.81	24.81	48	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	5/13/2020	0:00			50.5	0	50.5	73.81	72.81	23.31	49.5	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	7/9/2020	0:00			51.7	0	51.7	73.81	72.81	22.11	50.7	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 8
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	8/19/2020	0:00			52.8	0	52.8	73.81	72.81	21.01	51.8	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 8
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	9/17/2020	0:00			53.3	0	53.3	73.81	72.81	20.51	52.3	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 8
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	10/13/2020	0:00			53.8	0	53.8	73.81	72.81	20.01	52.8	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 8
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	11/13/2020	0:00			54.1	0	54.1	73.81	72.81	19.71	53.1	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 8
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	12/10/2020	0:00			53.4	0	53.4	73.81	72.81	20.41	52.4	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 8
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	4/13/2021	0:00			52	0.9	51.1	73.81	72.81	22.71	50.1	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 8
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	5/6/2021	0:00			51.7	0	51.7	73.81	72.81	22.11	50.7	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 08
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	7/1/2021	0:00			53.1	0	53.1	73.81	72.81	20.71	52.1	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 08
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	8/3/2021	0:00			53.3	0	53.3	73.81	72.81	20.51	52.3	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 08
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	9/7/2021	0:00			53.8	0	53.8	73.81	72.81	20.01	52.8	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 08
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	12/6/2021	0:00			51.8	0	51.8	73.81	72.81	22.01	50.8	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 08
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	1/6/2022	0:00			40.6	0	40.6	73.81	72.81	33.21	39.6	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 08
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	2/10/2022	0:00			43.4	0	43.4	73.81	72.81	30.41	42.4	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	3/1/2022	0:00			31.9	0	31.9	73.81	72.81	41.91	30.9	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	4/5/2022	0:00			46.3	0	46.3	73.81	72.81	27.51	45.3	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	5/10/2022	0:00			48.6	0	48.6	73.81	72.81	25.21	47.6	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	6/16/2022	0:00			50.4	0	50.4	73.81	72.81	23.41	49.4	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	7/19/2022	0:00			52.6	0	52.6	73.81	72.81	21.21	51.6	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	8/3/2022	0:00			53.4	0	53.4	73.81	72.81	20.41	52.4	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05 muddy or rusty solinst
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	9/7/2022	0:00			54.2	0	54.2	73.81	72.81	19.61	53.2	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05 muddy rusty solinst
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	10/6/2022	0:00			55.5	0	55.5	73.81	72.81	18.31	54.5	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05 muddy solinst
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	11/3/2022	0:00			54.2	0	54.2	73.81	72.81	19.61	53.2	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05 Muddy Solinst
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	12/1/2022	0:00			54.25	0	54.25	73.81	72.81	19.56	53.25	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	1/3/2023	0:00			49.65	0	49.65	73.81	72.81	24.16	48.65	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	2/7/2023	0:00			36.31	0	36.31	73.81	72.81	37.5	35.31	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	3/7/2023	0:00			37.44	0	37.44	73.81	72.81	36.37	36.44	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	4/5/2023	0:00			32.9	0	32.9	73.81	72.81	40.91	31.9	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	5/4/2023	0:00			35.61	0	35.61	76.621	75.402	41.011	34.391	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	6/2/2023	0:00			39.4	0	39.4	76.621	75.402	37.221	38.181	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	1/25/2021	0:00			55	3.3	51.7	73.81	72.81	22.11	50.7	ST - Steel tape measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 8
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	2/2/2021	0:00			52	5.2	46.8	73.81	72.81	27.01	45.8	ST - Steel tape measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 8
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	3/3/2021	0:00			51	0.3	50.7	73.81	72.81	23.11	49.7	ST - Steel tape measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 8
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	4/26/2001	0:00			41.1	0	41.1	73.81	72.81	32.71	40.1	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	4/10/2002	0:00			41.3	0	41.3	73.81	72.81	32.51	40.3	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	11/19/2002	0:00			43	0	43	73.81	72.81	30.81	42	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	4/16/2003	0:00			40	0	40	73.81	72.81	33.81	39	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	11/4/2003	0:00			42.6	0	42.6	73.81	72.81	31.21	41.6	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	4/6/2004	0:00			39.6	0	39.6	73.81	72.81	34.21	38.6	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	11/18/2004	0:00			42.2	0	42.2	73.81	72.81	31.61	41.2	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	4/13/2005	0:00			35.7	0	35.7	73.81	72.81	38.11	34.7	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	11/16/2005	0:00			43.7	0	43.7	73.81	72.81	30.11	42.7	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	5/3/2006	0:00			34	0	34	73.81	72.81	39.81	33	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	11/15/2006	0:00			43.9	0	43.9	73.81	72.81	29.91	42.9	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	4/25/2007	0:00			43.6	0	43.6	73.81	72.81	30.21	42.6	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	

Table 3.3. Groundwater Elevation Data within the Project Area

Groundwater Well ID	Latitude	Longitude	Local Well Number	CASGEM Well ID	Date	Time	No Measurement	Questionable Measurement	Reading at Recording Point	Reading at Groundwater Level	Recording Point to Groundwater Level	Recording Point Elevation	Ground Surface Elevation	Groundwater Elevation	Depth from Ground Surface to Groundwater	Measurement Method	Measurement Accuracy	Collecting Cooperating Agency	Voluntary or CASGEM	Comments
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	11/15/2007	0:00			52.8	0	52.8	73.81	72.81	21.01	51.8	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	4/29/2008	0:00			47.6	0	47.6	73.81	72.81	26.21	46.6	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	11/24/2008	0:00			51.8	0	51.8	73.81	72.81	22.01	50.8	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	4/16/2009	0:00			48.2	0	48.2	73.81	72.81	25.61	47.2	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	11/16/2009	0:00			44.8	0	44.8	73.81	72.81	29.01	43.8	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	4/21/2010	0:00			42.1	0	42.1	73.81	72.81	31.71	41.1	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	12/8/2010	0:00			44.2	0	44.2	73.81	72.81	29.61	43.2	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	5/19/2011	0:00			40.6	0	40.6	73.81	72.81	33.21	39.6	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	12/14/2011	0:00			45.1	0	45.1	73.81	72.81	28.71	44.1	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	3/20/2020	0:00	7 - Special/Other					73.81	72.81					Department of Water Resources	Voluntary	No measurment do to Covid 19
374833N1224430W001	37.4833	-122.2443	05S05W19H001M	7004	10/4/2021	0:00		6 - Other	53.8	0	53.8	73.81	72.81	20.01	52.8	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 08 muddy again, possible collapse
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	5/4/2023	0:00			32.48	0	32.48	90.495	89.491	58.015	31.476	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	6/2/2023	0:00			38.3	0	38.3	90.495	89.491	52.195	37.296	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	1/25/2021	0:00			60	3	57	93.81	92.81	36.81	56	ST - Steel tape measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 8
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	2/2/2021	0:00			57	1	56	93.81	92.81	37.81	55	ST - Steel tape measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 8
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	3/3/2021	0:00			57	0.9	56.1	93.81	92.81	37.71	55.1	ST - Steel tape measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 8
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	4/27/2000	0:00			45.3	0	45.3	93.81	92.81	48.51	44.3	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	10/31/2000	0:00			61.3	0	61.3	93.81	92.81	32.51	60.3	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	10/31/2001	0:00			50.3	0	50.3	93.81	92.81	43.51	49.3	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	4/10/2002	0:00			43.3	0	43.3	93.81	92.81	50.51	42.3	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	4/15/2003	0:00			48.2	0	48.2	93.81	92.81	45.61	47.2	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	11/4/2003	0:00			43.8	0	43.8	93.81	92.81	50.01	42.8	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	4/6/2004	0:00			40.5	0	40.5	93.81	92.81	53.31	39.5	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	11/18/2004	0:00			49.6	0	49.6	93.81	92.81	44.21	48.6	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	4/13/2005	0:00			34.5	0	34.5	93.81	92.81	59.31	33.5	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	11/16/2005	0:00			51.9	0	51.9	93.81	92.81	41.91	50.9	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	5/3/2006	0:00			31	0	31	93.81	92.81	62.81	30	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	11/15/2006	0:00			54.7	0	54.7	93.81	92.81	39.11	53.7	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	4/25/2007	0:00			53	0	53	93.81	92.81	40.81	52	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	11/15/2007	0:00			62.8	0	62.8	93.81	92.81	31.01	61.8	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	4/29/2008	0:00			55.6	0	55.6	93.81	92.81	38.21	54.6	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	11/16/2009	0:00			49.3	0	49.3	93.81	92.81	44.51	48.3	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	4/21/2010	0:00			44.4	0	44.4	93.81	92.81	49.41	43.4	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	12/8/2010	0:00			52.2	0	52.2	93.81	92.81	41.61	51.2	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	5/19/2011	0:00			41.4	0	41.4	93.81	92.81	52.41	40.4	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	12/14/2011	0:00			52.3	0	52.3	93.81	92.81	41.51	51.3	UNK - Unknown	Unknown	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	11/24/2008	0:00	1 - Pumping					93.81	92.81					Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	4/16/2009	0:00	1 - Pumping					93.81	92.81					Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	4/26/2001	0:00	3 - Tape hung up					93.81	92.81					Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	11/19/2002	0:00	3 - Tape hung up					93.81	92.81					Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	3/20/2020	0:00	7 - Special/Other					93.81	92.81					Department of Water Resources	Voluntary	No measurment do to Covid 19
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	4/20/2020	0:00	7 - Special/Other					93.81	92.81					Department of Water Resources	Voluntary	No measurment do to Covid 19
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	4/25/2023	0:00	7 - Special/Other					90.495	89.491					Department of Water Resources	Voluntary	The RP is the top of the PVC casing.
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	11/19/2018	0:00	9 - Temporarily inaccessible					93.81	92.81					Department of Water Resources	Voluntary	Access blocked.
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	5/2/2012	0:00			52.9	0	52.9	93.81	92.81	40.91	51.9	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	12/6/2012	0:00			52.7	0	52.7	93.81	92.81	41.11	51.7	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	4/25/2013	0:00			52.4	0	52.4	93.81	92.81	41.41	51.4	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	12/9/2013	0:00			58.4	0	58.4	93.81	92.81	35.41	57.4	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	3/4/2014	0:00			59.4	0	59.4	93.81	92.81	34.41	58.4	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	10/27/2014	0:00			61.4	0	61.4	93.81	92.81	32.41	60.4	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	spoke wih owner
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	3/26/2015	0:00			56.7	0	56.7	93.81	92.81	37.11	55.7	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	10/22/2015	0:00			61.4	0	61.4	93.81	92.81	32.41	60.4	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	3/25/2016	0:00			56	0	56	93.81	92.81	37.81	55	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	10/25/2016	0:00			60.4	0	60.4	93.81	92.81	33.41	59.4	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	3/29/2017	0:00			34.6	0	34.6	93.81	92.81	59.21	33.6	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	10/30/2017	0:00			55.3	0	55.3	93.81	92.81	38.51	54.3	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	3/13/2018	0:00			50.6	0	50.6	93.81	92.81	43.21	49.6	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	6/13/2018	0:00			55.2	0	55.2	93.81	92.81	38.61	54.2	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	7/18/2018	0:00			55.6	0	55.6	93.81	92.81	38.21	54.6	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	8/7/2018	0:00			56.3	0	56.3	93.81	92.81	37.51	55.3	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	9/6/2018	0:00			56.1	0	56.1	93.81	92.81	37.71	55.1	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	10/18/2018	0:00			59.3	0	59.3	93.81	92.81	34.51	58.3	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	12/9/2018	0:00			59	0	59	93.81	92.81	34.81	58	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	1/22/2019	0:00			64.6	0	64.6	93.81	92.81	29.21	63.6	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	2/11/2019	0:00			58.6	0	58.6	93.81	92.81	35.21	57.6	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	3/26/2019	0:00			41.3	0	41.3	93.81	92.81	52.51	40.3	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	4/29/2019	0:00			43.2	0	43.2	93.81	92.81	50.61	42.2	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	5/24/2019	0:00			45.4	0	45.4	93.81	92.81	48.41	44.4	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	6/18/2019	0:00			47.8	0	47.8	93.81	92.81	46.01	46.8	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	7/10/2019	0:00			50	0	50	93.81	92.81	43.81	49	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	8/12/2019	0:00			53.5	0	53.5	93.81	92.81	40.31	52.5	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	9/9/2019	0:00			55.3	0	55.3	93.81	92.81	38.51	54.3	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	10/17/2019	0:00			57.3	0	57.3	93.81	92.81	36.51	56.3	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	11/21/2019	0:00			57.5	0	57.5	93.81	92.81	36.31	56.5	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	12/19/2019	0:00			57.1	0	57.1	93.81	92.81	36.71	56.1	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	1/13/2020	0:00			56.5	0	56.5	93.81	92.81	37.31	55.5	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	2/10/2020	0:00			55.9	0	55.9	93.81	92.81	37.91	54.9	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	5/13/2020	0:00			55	0	55	93.81	92.81	38.81	54	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	7/9/2020	0:00			56.3	0	56.3	93.81	92.81	37.51	55.3	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 8
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	8/19/2020	0:00			57.4	0	57.4	93.81	92.81	36.41	56.4	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 8
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	9/17/2020	0:00			57.4	0	57.4	93.81	92.81	36.41	56.4	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 8
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	10/13/2020	0:00			58.8	0	58.8	93.81	92.81	35.01	57.8	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 8
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	11/13/2020	0:00			59.1	0	59.1	93.81	92.81	34.71	58.1	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 8
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	12/10/2020	0:00			58.4	0	58.4	93.81	92.81	35.41	57.4	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 8
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	4/13/2021	0:00			58	1.7	56.3	93.81	92.81	37.51	55.3	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 8
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	5/6/2021	0:00			56.9	0	56.9	93.81	92.81	36.91	55.9	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 08
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	6/2/2021	0:00			57	0	57	93.81	92.81	36.81	56	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 08
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	7/1/2021	0:00			57.5	0	57.5	93.81	92.81	36.31	56.5	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 08
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	8/3/2021	0:00			57.9	0	57.9	93.81	92.81	35.91	56.9	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 08
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	9/7/2021	0:00			58	0	58	93.81	92.81	35.81	57	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 08
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	10/4/2021	0:00			57.9	0	57.9	93.81	92.81	35.91	56.9	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 08
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	12/6/2021	0:00			56.4	0	56.4	93.81	92.81	37.41	55.4	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 08
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	1/6/2022	0:00			42.2	0	42.2	93.81	92.81	51.61	41.2	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 08
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	2/10/2022	0:00			42.1	0	42.1	93.81	92.81	51.71	41.1	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	3/1/2022	0:00			45.1	0	45.1	93.81	92.81	48.71	44.1	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	4/5/2022	0:00			48.1	0	48.1	93.81	92.81	45.71	47.1	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	5/10/2022	0:00			51.9	0	51.9	93.81	92.81	41.91	50.9	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	6/16/2022	0:00			54	0	54	93.81	92.81	39.81	53	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	7/19/2022	0:00			55.6	0	55.6	93.81	92.81	38.21	54.6	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	8/3/2022	0:00			56.5	0	56.5	93.81	92.81	37.31	55.5	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	9/7/2022	0:00			57.7	0	57.7	93.81	92.81	36.11	56.7	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05 new lock on pump house
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	10/6/2022	0:00			58.54	0	58.54	93.81	92.81	35.27	57.54	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	11/3/2022	0:00			59	0	59	93.81	92.81	34.81	58	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	12/1/2022	0:00			59.4	0	59.4	93.81	92.81	34.41	58.4	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	1/3/2023	0:00			56.71	0	56.71	93.81	92.81	37.1	55.71	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	2/7/2023	0:00			32.23	0	32.23	93.81	92.81	61.58	31.23	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	3/7/2023	0:00			35.27	0	35.27	93.81	92.81	58.54	34.27	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
374845N1224391W001	37.4845	-122.24391	Frenchmans Creek W1	40008	4/5/2023	0:00			27.72	0	27.72	93.81	92.81	66.09	26.72	ES - Electric sounder measurement	0.1 Ft	Department of Water Resources	Voluntary	Run 05
375039N1224961W001	37.5039	-122.24961	P-1	48474	4/15/2015	8:00	7 - Special/Other					12	11					Montara Water and Sanitary District	CASGEM	Missed sampling due to MWSD change in responsible party
375039N1224961W001	37.5039	-122.24961	P-1	48474	4/20/2023	11:00			4.3	0	4.3	11.83	12.2	7.53	4.67	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W001	37.5039	-122.24961	P-1	48474	10/20/2022	11:10			3	0	3	12	11	9	2	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	

Table 3.3. Groundwater Elevation Data within the Project Area

Groundwater Well ID	Latitude	Longitude	Local Well Number	CASGEM Well ID	Date	Time	No Measurement	Questionable Measurement	Reading at Recording Point	Reading at Groundwater Level	Recording Point to Groundwater Level	Recording Point Elevation	Ground Surface Elevation	Groundwater Elevation	Depth from Ground Surface to Groundwater	Measurement Method	Measurement Accuracy	Collecting Cooperating Agency	Voluntary or CASGEM	Comments
375039N1224961W001	37.5039	-122.24961	P-1	48474	4/7/2022	10:20			1.3	0	1.3	12	11	10.7	0.3	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W001	37.5039	-122.24961	P-1	48474	8/26/2021	10:47			6.4	0	6.4	12	11	5.6	5.4	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W001	37.5039	-122.24961	P-1	48474	3/5/2021	8:39			4.5	0	4.5	12	11	7.5	3.5	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W001	37.5039	-122.24961	P-1	48474	9/9/2020	9:25			12	4.7	7.3	12	11	4.7	6.3	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W001	37.5039	-122.24961	P-1	48474	3/12/2020	14:40			1.5	0	1.5	12	11	10.5	0.5	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W001	37.5039	-122.24961	P-1	48474	10/18/2019	11:55			3.1	0	3.1	12	11	8.9	2.1	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W001	37.5039	-122.24961	P-1	48474	4/4/2019	13:34			4.3	0	4.3	12	11	7.7	3.3	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W001	37.5039	-122.24961	P-1	48474	9/27/2018	8:48			6.4	0	6.4	12	11	5.6	5.4	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W001	37.5039	-122.24961	P-1	48474	7/23/2018	14:15			5.7	0	5.7	12	11	6.3	4.7	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	MWSD sampling for CASGEM intended for April and October of each year; data submitted for July 2018 instead of April 2018 due to delayed sampling; will resume in October 2018
375039N1224961W001	37.5039	-122.24961	P-1	48474	9/28/2017	13:00			3.4	0	3.4	12	11	8.6	2.4	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W001	37.5039	-122.24961	P-1	48474	4/12/2017	14:07			4.2	0	4.2	12	11	7.8	3.2	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W001	37.5039	-122.24961	P-1	48474	10/12/2016	8:15			7.7	0	7.7	12	11	4.3	6.7	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W001	37.5039	-122.24961	P-1	48474	4/11/2016	9:00			4.5	0	4.5	12	11	7.5	3.5	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W001	37.5039	-122.24961	P-1	48474	10/5/2015	14:30			8.3	0	8.3	12	11	3.7	7.3	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W001	37.5039	-122.24961	P-1	48474	10/21/2014	9:00			12	6.1	5.9	12	11	6.1	4.9	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W001	37.5039	-122.24961	P-1	48474	3/19/2014	9:20			12	7.5	4.5	12	11	7.5	3.5	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W001	37.5039	-122.24961	P-1	48474	11/21/2012	0:00			12	7.5	4.5	12	11	7.5	3.5	ST - Steel tape measurement	Unknown	Montara Water and Sanitary District	CASGEM	
375039N1224961W001	37.5039	-122.24961	P-1	48474	9/15/2011	8:00			12	7.7	4.3	12	11	7.7	3.3	ST - Steel tape measurement	Unknown	Montara Water and Sanitary District	CASGEM	
375039N1224961W001	37.5039	-122.24961	P-1	48474	10/13/2013	13:30			12	4.9	7.1	12	11	4.9	6.1	ST - Steel tape measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W001	37.5039	-122.24961	P-1	48474	4/22/2013	10:30			12	7.3	4.7	12	11	7.3	3.7	ST - Steel tape measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W002	37.5039	-122.24961	P-2	48475	10/12/2016	8:10			7.4	0	7.4	12	11	4.6	6.4	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W002	37.5039	-122.24961	P-2	48475	11/21/2012	0:00			12	7.6	4.4	12	11	7.6	3.4	ST - Steel tape measurement	Unknown	Montara Water and Sanitary District	CASGEM	
375039N1224961W002	37.5039	-122.24961	P-2	48475	10/5/2015	14:30			7.9	0	7.9	12	11	4.1	6.9	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W002	37.5039	-122.24961	P-2	48475	10/21/2014	9:05			12	6.3	5.7	12	11	6.3	4.7	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W002	37.5039	-122.24961	P-2	48475	3/19/2014	9:30			12	7.8	4.2	12	11	7.8	3.2	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W002	37.5039	-122.24961	P-2	48475	9/15/2011	8:00			12	7.6	4.4	12	11	7.6	3.4	ST - Steel tape measurement	Unknown	Montara Water and Sanitary District	CASGEM	
375039N1224961W002	37.5039	-122.24961	P-2	48475	9/27/2018	8:49			6.2	0	6.2	12	11	5.8	5.2	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W002	37.5039	-122.24961	P-2	48475	7/23/2018	14:15			5.6	0	5.6	12	11	6.4	4.6	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	MWSD sampling for CASGEM intended for April and October of each year; data submitted for July 2018 instead of April 2018 due to delayed sampling; will resume in October 2018
375039N1224961W002	37.5039	-122.24961	P-2	48475	10/13/2013	13:40			12	5.2	6.8	12	11	5.2	5.8	ST - Steel tape measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W002	37.5039	-122.24961	P-2	48475	4/22/2013	10:45			12	7.3	4.7	12	11	7.3	3.7	ST - Steel tape measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W002	37.5039	-122.24961	P-2	48475	9/28/2017	13:05			5.9	0	5.9	12	11	6.1	4.9	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W002	37.5039	-122.24961	P-2	48475	4/12/2017	14:07			3.5	0	3.5	12	11	8.5	2.5	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W002	37.5039	-122.24961	P-2	48475	4/20/2023	11:03			4	0	4	12.04	12.12	8.04	4.08	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W002	37.5039	-122.24961	P-2	48475	10/20/2022	11:12			6.8	0	6.8	12	11	5.2	5.8	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W002	37.5039	-122.24961	P-2	48475	4/7/2022	10:22			4.5	0	4.5	12	11	7.5	3.5	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W002	37.5039	-122.24961	P-2	48475	8/26/2021	10:51			6.3	0	6.3	12	11	5.7	5.3	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W002	37.5039	-122.24961	P-2	48475	3/5/2021	8:40			4.2	0	4.2	12	11	7.8	3.2	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W002	37.5039	-122.24961	P-2	48475	9/9/2020	9:27			12	5	7	12	11	5	6	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W002	37.5039	-122.24961	P-2	48475	3/12/2020	14:43			4.3	0	4.3	12	11	7.7	3.3	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W002	37.5039	-122.24961	P-2	48475	10/18/2019	11:56			6.9	0	6.9	12	11	5.1	5.9	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W002	37.5039	-122.24961	P-2	48475	4/15/2015	8:00	7 - Special/Other					12	11					Montara Water and Sanitary District	CASGEM	Missed sampling due to MWSD change in responsible party
375039N1224961W002	37.5039	-122.24961	P-2	48475	4/4/2019	13:35			3.8	0	3.8	12	11	8.2	2.8	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W002	37.5039	-122.24961	P-2	48475	4/11/2016	9:00			4.3	0	4.3	12	11	7.7	3.3	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W003	37.5039	-122.24961	P-3	48476	9/15/2011	8:00			12	10.5	1.5	12	11	10.5	0.5	ST - Steel tape measurement	Unknown	Montara Water and Sanitary District	CASGEM	
375039N1224961W003	37.5039	-122.24961	P-3	48476	11/21/2012	0:00			12	10.1	1.9	12	11	10.1	0.9	ST - Steel tape measurement	Unknown	Montara Water and Sanitary District	CASGEM	
375039N1224961W003	37.5039	-122.24961	P-3	48476	4/15/2015	8:00	7 - Special/Other					12	11					Montara Water and Sanitary District	CASGEM	Missed sampling due to MWSD change in responsible party
375039N1224961W003	37.5039	-122.24961	P-3	48476	3/19/2014	9:40			12	10.8	1.2	12	11	10.8	0.2	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W003	37.5039	-122.24961	P-3	48476	3/19/2014	9:40			12	10.8	1.2	12	11	10.8	0.2	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W003	37.5039	-122.24961	P-3	48476	3/19/2014	9:40			12	10.8	1.2	12	11	10.8	0.2	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W003	37.5039	-122.24961	P-3	48476	10/21/2014	9:10			12	9.4	2.6	12	11	9.4	1.6	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W003	37.5039	-122.24961	P-3	48476	10/5/2015	14:30			3	0	3	12	11	9	2	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W003	37.5039	-122.24961	P-3	48476	4/11/2016	9:00			1.5	0	1.5	12	11	10.5	0.5	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W003	37.5039	-122.24961	P-3	48476	10/12/2016	8:05			3.6	0	3.6	12	11	8.4	2.6	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W003	37.5039	-122.24961	P-3	48476	4/12/2017	14:08			0	0	0	12	11	12	-1	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W003	37.5039	-122.24961	P-3	48476	9/28/2017	13:10			3.7	0	3.7	12	11	8.3	2.7	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W003	37.5039	-122.24961	P-3	48476	7/23/2018	14:15			2.7	0	2.7	12	11	9.3	1.7	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	MWSD sampling for CASGEM intended for April and October of each year; data submitted for July 2018 instead of April 2018 due to delayed sampling; will resume in October 2018
375039N1224961W003	37.5039	-122.24961	P-3	48476	9/27/2018	8:50			2.9	0	2.9	12	11	9.1	1.9	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W003	37.5039	-122.24961	P-3	48476	4/4/2019	13:36			0	0	0	12	11	12	-1	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W003	37.5039	-122.24961	P-3	48476	10/18/2019	11:58			7.2	0	7.2	12	11	4.8	6.2	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W003	37.5039	-122.24961	P-3	48476	3/12/2020	14:47			4.5	0	4.5	12	11	7.5	3.5	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W003	37.5039	-122.24961	P-3	48476	9/9/2020	9:29			12	8.1	3.9	12	11	8.1	2.9	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W003	37.5039	-122.24961	P-3	48476	3/5/2021	8:41			1.3	0	1.3	12	11	10.7	0.3	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W003	37.5039	-122.24961	P-3	48476	8/26/2021	10:54			2.9	0	2.9	12	11	9.1	1.9	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W003	37.5039	-122.24961	P-3	48476	4/7/2022	10:25			4.7	0	4.7	12	11	7.3	3.7	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W003	37.5039	-122.24961	P-3	48476	10/20/2022	11:15			6.9	0	6.9	12	11	5.1	5.9	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W003	37.5039	-122.24961	P-3	48476	4/20/2023	11:03			0.6	0	0.6	12.29	12.38	11.69	0.69	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W003	37.5039	-122.24961	P-3	48476	4/22/2013	10:55			12	10.3	1.7	12	11	10.3	0.7	ST - Steel tape measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375039N1224961W003	37.5039	-122.24961	P-3	48476	10/13/2013	13:50			12	9	3	12	11	9	2	ST - Steel tape measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375083N1224973W001	37.5083	-122.24973	Codo Well	48473	4/15/2015	8:00	7 - Special/Other					29	28					Montara Water and Sanitary District	CASGEM	Missed sampling due to MWSD change in responsible party
375083N1224973W001	37.5083	-122.24973	Codo Well	48473	4/20/2023	11:11			1.4	0	1.4	25.31	24.31	23.91	0.4	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375083N1224973W001	37.5083	-122.24973	Codo Well	48473	4/22/2013	13:30			29	28	1	29	28	28	0	ST - Steel tape measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375083N1224973W001	37.5083	-122.24973	Codo Well	48473	10/15/2013	0:00			29	24.4	4.6	29	28	24.4	3.6	ST - Steel tape measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	Time Sampled 13:30
375083N1224973W001	37.5083	-122.24973	Codo Well	48473	10/24/2011	8:00			29	26.8	2.2	29	28	26.8	1.2	ST - Steel tape measurement	Unknown	Montara Water and Sanitary District	CASGEM	
375083N1224973W001	37.5083	-122.24973	Codo Well	48473	11/21/2012	0:00			29	28.5	0.5	29	28	28.5	-0.5	ST - Steel tape measurement	Unknown	Montara Water and Sanitary District	CASGEM	
375083N1224973W001	37.5083	-122.24973	Codo Well	48473	3/19/2014	9:50			29	27.4	1.6	29	28	27.4	0.6	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375083N1224973W001	37.5083	-122.24973	Codo Well	48473	10/21/2014	9:20			29	24.3	4.7	29	28	24.3	3.7	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375083N1224973W001	37.5083	-122.24973	Codo Well	48473	10/5/2015	14:40			20.2	0	20.2	29	28	8.8	19.2	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375083N1224973W001	37.5083	-122.24973	Codo Well	48473	10/12/2016	13:50			7.3	0	7.3	29	28	21.7	6.3	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375083N1224973W001	37.5083	-122.24973	Codo Well	48473	4/12/2017	13:32			1.8	0	1.8	29	28	27.2	0.8	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375083N1224973W001	37.5083	-122.24973	Codo Well	48473	9/28/2017	13:30			3.4	0	3.4	29	28	25.6	2.4	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375083N1224973W001	37.5083	-122.24973	Codo Well	48473	7/23/2018	14:06			5.7	0	5.7	29	28	23.3	4.7	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	MWSD sampling for CASGEM intended for April and October of each year; data submitted for July 2018 instead of April 2018 due to delayed sampling; will resume in October 2018
375083N1224973W001	37.5083	-122.24973	Codo Well	48473	9/27/2018	9:00			3	0	3	29	28	26	2	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375083N1224973W001	37.5083	-122.24973	Codo Well	48473	4/4/2019	11:50			1.3	0	1.3	29	28	27.7	0.3	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375083N1224973W001	37.5083	-122.24973	Codo Well	48473	10/18/2019	12:06			2.9	0	2.9	29	28	26.1	1.9	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375083N1224973W001	37.5083	-122.24973	Codo Well	48473	3/12/2020	14:15			2.3	0	2.3	29	28	26.7	1.3	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375083N1224973W001	37.5083	-122.24973	Codo Well	48473	9/9/2020	9:35			29	25.4	3.6	29	28	25.4	2.6	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375083N1224973W001	37.5083	-122.24973	Codo Well	48473	3/5/2021	8:50			3.6	0	3.6	29	28	25.4	2.6	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375083N1224973W001	37.5083	-122.24973	Codo Well	48473	8/26/2021	10:16			5.4	0	5.4	29	28	23.6	4.4	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375083N1224973W001	37.5083	-122.24973	Codo Well	48473	4/7/2022	10:00			1.9	0	1.9	29	28	27.1	0.9	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375083N1224973W001	37.5083	-122.24973	Codo Well	48473	10/20/2022	11:30			3.2	0	3.2	29	28	25.8	2.2	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375083N1224973W001	37.5083	-122.24973	Codo Well	48473	4/11/2016	9:10	F - Flowing artesian well					29	28					Montara Water and Sanitary District	CASGEM	
375135N1224939W001	37.5135	-122.24939	Old SAW	48472	10/14/2013	9:00			56	34.9	21.1	56	55	34.9	20.1	ST - Steel tape measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375135N1224939W001	37.5135	-122.24939	Old SAW	48472	10/20/2022	10:50			23.2	0	23.2	56	55	32.8	22.2	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375135N1224939W001	37.5135	-122.24939	Old SAW	48472	4/7/2022	9:50			12.8	0	12.8	56	55	43.2	11.8	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375135N1224939W001	37.5135	-122.24939	Old SAW	48472	8/26/2021	9:45			23.9	0	23.9	56	55	32.1	22.9	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375135N1224939W001	37.5135	-122.24939	Old SAW	48472	3/5/2021	8:30			20.1	0	20.1	56	55	35.9	19.1	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375135N1224939W001	37.5135	-122.24939	Old SAW	48472	9/9/2020	9:15			56	34.3	21.7	56	55	34.3	20.7	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375135N1224939W001	37.5135	-122.24939	Old SAW	48472	3/12/2020	13:45			19.6	0	19.6	56	55	36.4	18.6	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375135N1224939W001	37.5135	-122.24939	Old SAW	48472	10/18/2019	11:48			23.8	0	23.8	56	55	32.2	22.8	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375135N1224939W001	37.5135	-122.24939	Old SAW	48472	4/4/2019	11:30			13.2	0	13.2	56	55	42.8	12.2	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375135N1224939W001	37.5135	-122.24939	Old SAW	48472	9/27/2018	8:36			20.3	0	20.3	56	55	35.7	19.3	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375135N1224939W001	37.5135	-122.24939	Old SAW	48472	7/23/2018	13:52			21.7	0	21.7	56	55	34.3	20.7	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	MWSD sampling for CASGEM intended for April and October of each year; data submitted for July 2018 instead of April 2018 due to delayed sampling; will resume in October 2018
375135N1224939W001	37.5135	-122.24939	Old SAW	48472	9/28/2017	12:25			21.5	0	21.5	56	55	34.5	20.5	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375135N1224939W001	37.5135	-122.24939	Old SAW	48472	4/12/2017	14:57			13.1	0	13.1	56	55	42.9	12.1	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375135N1224939W001	37.5135	-122.24939	Old SAW	48472	10/12/2016	13:35			23.1	0	23.1	56	55	32.9	22.1	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375135N1224939W001	37.5135	-122.24939	Old SAW	48472	4/11/2016	8:50			17	0	17	56	55	39	16	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	

Table 3.3. Groundwater Elevation Data within the Project Area

Groundwater Well ID	Latitude	Longitude	Local Well Number	CASGEM Well ID	Date	Time	No Measurement	Questionable Measurement	Reading at Recording Point	Reading at Groundwater Level	Recording Point to Groundwater Level	Recording Point Elevation	Ground Surface Elevation	Groundwater Elevation	Depth from Ground Surface to Groundwater	Measurement Method	Measurement Accuracy	Collecting Cooperating Agency	Voluntary or CASGEM	Comments
375135N1224939W001	37.5135	-122.24939	Old SAW	48472	10/5/2015	14:25			22.5	0	22.5	56	55	33.5	21.5	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375135N1224939W001	37.5135	-122.24939	Old SAW	48472	10/21/2014	9:30			56	32.5	23.5	56	55	32.5	22.5	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375135N1224939W001	37.5135	-122.24939	Old SAW	48472	3/19/2014	10:00			56	37.4	18.6	56	55	37.4	17.6	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375135N1224939W001	37.5135	-122.24939	Old SAW	48472	11/21/2012	0:00			56	36.5	19.5	56	55	36.5	18.5	ST - Steel tape measurement	Unknown	Montara Water and Sanitary District	CASGEM	
375135N1224939W001	37.5135	-122.24939	Old SAW	48472	9/19/2011	8:45			56	44.7	11.3	56	55	44.7	10.3	ST - Steel tape measurement	Unknown	Montara Water and Sanitary District	CASGEM	
375135N1224939W001	37.5135	-122.24939	Old SAW	48472	4/20/2023	10:58			13.6	0	13.6	56.27	55.51	42.67	12.84	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375135N1224939W001	37.5135	-122.24939	Old SAW	48472	4/22/2013	14:10			56	39.1	16.9	56	55	39.1	15.9	ST - Steel tape measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375135N1224939W001	37.5135	-122.24939	Old SAW	48472	4/15/2015	8:00	7 - Special/Other					56	55					Montara Water and Sanitary District	CASGEM	Missed sampling due to MWSD change in responsible party
375153N1224967W001	37.5153	-122.24967	Old NAW	48471	4/11/2016	8:45		2 - Nearby pump operating	17.8	0	17.8	55	54	37.2	16.8	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375153N1224967W001	37.5153	-122.24967	Old NAW	48471	9/19/2011	8:45			55	41.5	13.5	55	54	41.5	12.5	ST - Steel tape measurement	Unknown	Montara Water and Sanitary District	CASGEM	
375153N1224967W001	37.5153	-122.24967	Old NAW	48471	4/20/2023	10:20			11.2	0	11.2	54.84	53.52	43.64	9.88	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375153N1224967W001	37.5153	-122.24967	Old NAW	48471	10/20/2022	10:55			20.4	0	20.4	55	54	34.6	19.4	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375153N1224967W001	37.5153	-122.24967	Old NAW	48471	4/7/2022	9:45			14.9	0	14.9	55	54	40.1	13.9	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375153N1224967W001	37.5153	-122.24967	Old NAW	48471	9/26/2021	10:05			20.3	0	20.3	55	54	34.7	19.3	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375153N1224967W001	37.5153	-122.24967	Old NAW	48471	3/5/2021	8:25			17.5	0	17.5	55	54	37.5	16.5	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375153N1224967W001	37.5153	-122.24967	Old NAW	48471	9/9/2020	9:20			55	36.3	18.7	55	54	36.3	17.7	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375153N1224967W001	37.5153	-122.24967	Old NAW	48471	3/12/2020	13:55			16.9	0	16.9	55	54	38.1	15.9	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375153N1224967W001	37.5153	-122.24967	Old NAW	48471	10/18/2019	11:45			24.8	0	24.8	55	54	30.2	23.8	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375153N1224967W001	37.5153	-122.24967	Old NAW	48471	4/4/2019	11:27			10.4	0	10.4	55	54	44.6	9.4	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375153N1224967W001	37.5153	-122.24967	Old NAW	48471	9/27/2018	8:40			17.4	0	17.4	55	54	37.6	16.4	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375153N1224967W001	37.5153	-122.24967	Old NAW	48471	7/23/2018	13:58			21.1	0	21.1	55	54	33.9	20.1	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	MWSD sampling for CASGEM intended for April and October of each year; data submitted for July 2018 instead of April 2018 due to delayed sampling; will resume in October 2018
375153N1224967W001	37.5153	-122.24967	Old NAW	48471	9/28/2017	12:20			18.7	0	18.7	55	54	36.3	17.7	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375153N1224967W001	37.5153	-122.24967	Old NAW	48471	4/12/2017	14:54			10.2	0	10.2	55	54	44.8	9.2	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375153N1224967W001	37.5153	-122.24967	Old NAW	48471	10/12/2016	13:35			20.6	0	20.6	55	54	34.4	19.6	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375153N1224967W001	37.5153	-122.24967	Old NAW	48471	10/5/2015	14:40			20.2	0	20.2	55	54	34.8	19.2	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375153N1224967W001	37.5153	-122.24967	Old NAW	48471	10/21/2014	9:30			55	31.3	23.7	55	54	31.3	22.7	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375153N1224967W001	37.5153	-122.24967	Old NAW	48471	3/19/2014	10:10			55	38.8	16.2	55	54	38.8	15.2	ES - Electric sounder measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375153N1224967W001	37.5153	-122.24967	Old NAW	48471	4/15/2015	8:00	7 - Special/Other					55	54					Montara Water and Sanitary District	CASGEM	Missed sampling due to MWSD change in responsible party
375153N1224967W001	37.5153	-122.24967	Old NAW	48471	4/22/2013	11:20			55	41	14	55	54	41	13	ST - Steel tape measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	
375153N1224967W001	37.5153	-122.24967	Old NAW	48471	11/21/2012	0:00			55	38.3	16.7	55	54	38.3	15.7	ST - Steel tape measurement	Unknown	Montara Water and Sanitary District	CASGEM	
375153N1224967W001	37.5153	-122.24967	Old NAW	48471	10/14/2013	9:00			55	34.6	20.4	55	54	34.6	19.4	ST - Steel tape measurement	0.1 Ft	Montara Water and Sanitary District	CASGEM	

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
DDW	Municipal	CA4110010_015_015	TDS	=	350	MG/L	0	12/19/1996	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	TDS	=	410	MG/L	0	8/25/1999	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	TDS	=	400	MG/L	0	9/24/2002	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	TDS	=	450	MG/L	0	9/17/2003	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	TDS	=	520	MG/L	0	9/20/2006	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	TDS	=	380	MG/L	0	1/27/2009	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	TDS	=	440	MG/L	0	8/25/2009	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	TDS	=	440	MG/L	0	8/21/2012	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	TDS	=	390	MG/L	0	8/17/2015	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	TDS	=	390	MG/L	0	7/23/2018	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	TDS	=	340	MG/L	5	8/10/2021	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_032_032	TDS	=	310	MG/L	0	6/27/1997	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	TDS	=	450	MG/L	0	12/8/2003	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	TDS	=	390	MG/L	0	11/16/2006	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	TDS	=	380	MG/L	0	12/21/2006	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	TDS	=	340	MG/L	0	10/22/2009	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	TDS	=	370	MG/L	0	10/15/2012	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	TDS	=	310	MG/L	0	10/19/2015	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	TDS	=	300	MG/L	0	11/15/2018	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	TDS	=	300	MG/L	5	11/10/2021	37.510634	-122.500468			
DDW	Municipal	CA4110010_008_008	TDS	=	260	MG/L	0	8/27/1991	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	TDS	=	250	MG/L	0	9/22/1994	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	TDS	=	250	MG/L	0	12/9/1997	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	TDS	=	260	MG/L	0	12/7/2000	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	TDS	=	270	MG/L	0	9/17/2003	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	TDS	=	250	MG/L	0	12/15/2003	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	TDS	=	220	MG/L	0	2/25/2008	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	TDS	=	240	MG/L	0	2/2/2011	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	TDS	=	240	MG/L	0	3/18/2014	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	TDS	=	230	MG/L	0	1/25/2017	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	TDS	=	250	MG/L	0	2/12/2020	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	TDS	=	260	MG/L	5	2/13/2023	37.538612	-122.494804		0	10
DDW	Municipal	CA4110011_004_004	TDS	=	260	MG/L	0	6/15/1989	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	TDS	=	350	MG/L	0	12/12/1989	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	TDS	=	310	MG/L	0	3/6/1990	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	TDS	=	310	MG/L	0	6/19/1990	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	TDS	=	230	MG/L	0	6/9/1992	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	TDS	=	190	MG/L	0	7/13/1998	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	TDS	=	196	MG/L	0	2/20/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	TDS	=	195	MG/L	0	3/7/2012	37.513	-122.489038			
DDW	Municipal	CA4110010_030_030	TDS	=	320	MG/L	0	6/27/1997	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	TDS	=	360	MG/L	0	12/8/2003	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	TDS	=	330	MG/L	0	10/19/2006	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	TDS	=	290	MG/L	0	10/22/2009	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	TDS	=	330	MG/L	0	10/15/2012	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	TDS	=	310	MG/L	0	10/19/2015	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	TDS	=	280	MG/L	0	11/15/2018	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	TDS	=	300	MG/L	5	11/10/2021	37.510519	-122.499799			
DDW	Municipal	CA4100533_006_006	TDS	=	420	MG/L	0	11/20/2008	37.376303	-122.259641		0	0
DDW	Municipal	CA4100533_006_006	TDS	=	360	MG/L	0	12/1/2010	37.376303	-122.259641		0	0
DDW	Municipal	CA4100533_006_006	TDS	=	360	MG/L	0	11/17/2011	37.376303	-122.259641		0	0
DDW	Municipal	CA4100533_006_006	TDS	=	510	MG/L	0	7/21/2020	37.376303	-122.259641		0	0
DDW	Municipal	CA4110010_010_010	TDS	=	370	MG/L	0	4/25/1986	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	TDS	=	390	MG/L	0	5/12/1992	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	TDS	=	480	MG/L	0	3/28/1995	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	TDS	=	460	MG/L	0	3/11/1998	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	TDS	=	590	MG/L	0	3/15/2001	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	TDS	=	560	MG/L	0	3/25/2004	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	TDS	=	480	MG/L	0	6/23/2004	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	TDS	=	970	MG/L	0	5/9/2007	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	TDS	=	440	MG/L	0	6/15/2010	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	TDS	=	300	MG/L	0	5/22/2013	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	TDS	=	320	MG/L	0	5/19/2016	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	TDS	=	340	MG/L	0	4/16/2019	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	TDS	=	440	MG/L	5	4/26/2022	37.539958	-122.499261		0	235
DDW	Municipal	CA4110011_014_014	TDS	=	270	MG/L	0	9/7/1989	37.505855	-122.38373			
DDW	Municipal	CA4110011_014_014	TDS	=	260	MG/L	0	12/12/1989	37.505855	-122.38373			

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
DDW	Municipal	CA4110011_014_014	TDS	=	280	MG/L	0	3/6/1990	37.505855	-122.38373			
DDW	Municipal	CA4110011_014_014	TDS	=	260	MG/L	0	12/11/1992	37.505855	-122.38373			
DDW	Municipal	CA4110011_014_014	TDS	=	300	MG/L	0	7/13/1998	37.505855	-122.38373			
DDW	Municipal	CA4110011_014_014	TDS	=	290	MG/L	0	2/27/2017	37.505855	-122.38373			
DDW	Municipal	CA4110011_014_014	TDS	=	146	MG/L	0	3/25/2021	37.505855	-122.38373			
DDW	Municipal	CA4110011_007_007	TDS	=	320	MG/L	0	6/15/1989	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	TDS	=	340	MG/L	0	12/12/1989	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	TDS	=	290	MG/L	0	6/9/1992	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	TDS	=	270	MG/L	0	7/13/1998	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	TDS	=	370	MG/L	0	2/28/2006	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	TDS	=	372	MG/L	0	6/13/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	TDS	=	332	MG/L	0	1/26/2011	37.51252	-122.488364			
DDW	Municipal	CA4100533_003_003	TDS	=	330	MG/L	0	12/4/2007	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	TDS	=	290	MG/L	0	2/2/2011	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	TDS	=	300	MG/L	0	3/30/2012	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	TDS	=	290	MG/L	0	3/11/2015	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	TDS	=	150	MG/L	0	7/10/2018	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	TDS	=	132	MG/L	0	7/14/2021	37.390162	-122.269101		0	20
DDW	Municipal	CA4110010_007_007	TDS	=	610	MG/L	0	5/8/1984	37.538889	-122.502778			
DDW	Municipal	CA4110010_007_007	TDS	=	430	MG/L	0	3/10/1987	37.538889	-122.502778			
DDW	Municipal	CA4110010_007_007	TDS	=	680	MG/L	0	9/28/1993	37.538889	-122.502778			
DDW	Municipal	CA4110010_007_007	TDS	=	490	MG/L	0	12/19/1996	37.538889	-122.502778			
DDW	Municipal	CA4110011_008_008	TDS	=	550	MG/L	0	6/15/1989	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	TDS	=	480	MG/L	0	12/12/1989	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	TDS	=	500	MG/L	0	3/6/1990	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	TDS	=	520	MG/L	0	6/19/1990	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	TDS	=	520	MG/L	0	6/9/1992	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	TDS	=	200	MG/L	0	7/13/1998	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	TDS	=	520	MG/L	0	3/1/2005	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	TDS	=	475	MG/L	0	2/25/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	TDS	=	450	MG/L	0	6/12/2013	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	TDS	=	430	MG/L	0	3/19/2014	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	TDS	=	430	MG/L	0	3/20/2017	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	TDS	=	395	MG/L	0	3/17/2020	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	TDS	=	332	MG/L	10	3/22/2023	37.511642	-122.501806			
DDW	Municipal	CA4110011_015_015	TDS	=	300	MG/L	0	9/7/1989	37.505997	-122.383566			
DDW	Municipal	CA4110011_015_015	TDS	=	250	MG/L	0	12/12/1989	37.505997	-122.383566			
DDW	Municipal	CA4110011_015_015	TDS	=	260	MG/L	0	12/11/1992	37.505997	-122.383566			
DDW	Municipal	CA4110011_015_015	TDS	=	270	MG/L	0	7/13/1998	37.505997	-122.383566			
DDW	Municipal	CA4110011_015_015	TDS	=	184	MG/L	0	10/22/2008	37.505997	-122.383566			
DDW	Municipal	CA4110011_015_015	TDS	=	216	MG/L	0	1/30/2017	37.505997	-122.383566			
DDW	Municipal	CA4110011_015_015	TDS	=	185	MG/L	0	1/9/2019	37.505997	-122.383566			
DDW	Municipal	CA4110011_015_015	TDS	=	206	MG/L	10	1/31/2022	37.505997	-122.383566			
DDW	Municipal	CA4110011_003_003	TDS	=	360	MG/L	0	9/7/1989	37.511874	-122.48805			
DDW	Municipal	CA4110011_003_003	TDS	=	350	MG/L	0	12/12/1989	37.511874	-122.48805			
DDW	Municipal	CA4110011_003_003	TDS	=	350	MG/L	0	3/6/1990	37.511874	-122.48805			
DDW	Municipal	CA4110011_003_003	TDS	=	380	MG/L	0	6/19/1990	37.511874	-122.48805			
DDW	Municipal	CA4110011_003_003	TDS	=	330	MG/L	0	6/9/1992	37.511874	-122.48805			
DDW	Municipal	CA4110011_003_003	TDS	=	180	MG/L	0	7/13/1998	37.511874	-122.48805			
DDW	Municipal	CA4110011_017_017	TDS	=	310	MG/L	0	9/7/1989	37.509811	-122.384775			
DDW	Municipal	CA4110011_017_017	TDS	=	250	MG/L	0	12/12/1989	37.509811	-122.384775			
DDW	Municipal	CA4110011_017_017	TDS	=	310	MG/L	0	3/6/1990	37.509811	-122.384775			
DDW	Municipal	CA4110011_017_017	TDS	=	260	MG/L	0	12/11/1992	37.509811	-122.384775			
DDW	Municipal	CA4110011_017_017	TDS	=	370	MG/L	0	7/13/1998	37.509811	-122.384775			
DDW	Municipal	CA4110011_017_017	TDS	=	210	MG/L	0	11/29/2007	37.509811	-122.384775			
DDW	Municipal	CA4110011_017_017	TDS	=	205	MG/L	0	2/27/2013	37.509811	-122.384775			
DDW	Municipal	CA4110011_017_017	TDS	=	232	MG/L	0	2/21/2019	37.509811	-122.384775			
DDW	Municipal	CA4110011_017_017	TDS	=	196	MG/L	10	2/8/2022	37.509811	-122.384775			
DDW	Municipal	CA4110011_005_005	TDS	=	310	MG/L	0	9/7/1989	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	TDS	=	300	MG/L	0	12/12/1989	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	TDS	=	310	MG/L	0	3/6/1990	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	TDS	=	310	MG/L	0	6/19/1990	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	TDS	=	340	MG/L	0	6/9/1992	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	TDS	=	160	MG/L	0	7/13/1998	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	TDS	=	464	MG/L	0	4/11/2005	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	TDS	=	500	MG/L	0	2/25/2008	37.51206	-122.490421			
DDW	Municipal	CA4110011_002_002	TDS	=	360	MG/L	0	9/7/1989	37.510894	-122.487776			

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
DDW	Municipal	CA4110011_002_002	TDS	=	310	MG/L	0	12/12/1989	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	TDS	=	360	MG/L	0	6/19/1990	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	TDS	=	290	MG/L	0	6/9/1992	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	TDS	=	260	MG/L	0	7/13/1998	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	TDS	=	320	MG/L	0	3/14/2005	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	TDS	=	308	MG/L	0	1/28/2009	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	TDS	=	285	MG/L	0	6/12/2013	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	TDS	=	252	MG/L	0	3/25/2015	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	TDS	=	300	MG/L	0	4/17/2019	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	TDS	=	318	MG/L	10	3/9/2022	37.510894	-122.487776			
DDW	Municipal	CA4110010_031_031	TDS	=	420	MG/L	0	6/27/1997	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	TDS	=	510	MG/L	0	12/8/2003	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	TDS	=	480	MG/L	0	10/19/2006	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	TDS	=	460	MG/L	0	10/22/2009	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	TDS	=	470	MG/L	0	10/15/2012	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	TDS	=	460	MG/L	0	10/19/2015	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	TDS	=	430	MG/L	0	11/15/2018	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	TDS	=	440	MG/L	5	11/10/2021	37.509103	-122.499379			
DDW	Municipal	CA4110010_027_027	TDS	=	160	MG/L	0	8/2/2007	37.550158	-122.496742			
DDW	Municipal	CA4110010_027_027	TDS	=	160	MG/L	0	8/18/2010	37.550158	-122.496742			
DDW	Municipal	CA4110010_027_027	TDS	=	150	MG/L	0	8/29/2013	37.550158	-122.496742			
DDW	Municipal	CA4110010_027_027	TDS	=	170	MG/L	0	8/24/2016	37.550158	-122.496742			
DDW	Municipal	CA4110010_027_027	TDS	=	190	MG/L	0	8/5/2019	37.550158	-122.496742			
DDW	Municipal	CA4110010_027_027	TDS	=	180	MG/L	5	9/12/2022	37.550158	-122.496742			
DDW	Municipal	CA4110015_001_001	TDS	=	400	MG/L	0	4/8/1986	37.415833	-122.313889			
DDW	Municipal	CA4110015_001_001	TDS	=	500	MG/L	0	12/18/1993	37.415833	-122.313889			
DDW	Municipal	CA4100533_008_008	TDS	=	310	MG/L	0	12/4/2007	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	TDS	=	410	MG/L	0	12/1/2010	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	TDS	=	390	MG/L	0	12/12/2013	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	TDS	=	420	MG/L	0	10/31/2016	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	TDS	=	520	MG/L	0	10/3/2019	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	TDS	=	484	MG/L	10	10/20/2022	37.37686	-122.2572			
DDW	Municipal	CA4110010_001_001	TDS	=	370	MG/L	0	3/23/1993	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	TDS	=	370	MG/L	0	12/19/1996	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	TDS	=	460	MG/L	0	8/25/1999	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	TDS	=	490	MG/L	0	9/24/2002	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	TDS	=	530	MG/L	0	9/17/2003	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	TDS	=	490	MG/L	0	9/20/2006	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	TDS	=	550	MG/L	0	8/25/2009	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	TDS	=	470	MG/L	0	8/14/2012	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	TDS	=	440	MG/L	0	8/17/2015	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	TDS	=	440	MG/L	0	7/23/2018	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	TDS	=	360	MG/L	5	8/10/2021	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_014_014	TDS	=	270	MG/L	0	5/8/1984	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	TDS	=	230	MG/L	0	3/10/1987	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	TDS	=	240	MG/L	0	9/28/1993	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	TDS	=	230	MG/L	0	12/19/1996	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	TDS	=	270	MG/L	0	12/1/1999	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	TDS	=	250	MG/L	0	12/5/2002	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	TDS	=	270	MG/L	0	9/17/2003	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	TDS	=	250	MG/L	0	9/21/2006	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	TDS	=	230	MG/L	0	8/25/2009	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	TDS	=	220	MG/L	0	8/21/2012	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	TDS	=	230	MG/L	0	8/10/2015	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	TDS	=	250	MG/L	0	7/23/2018	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	TDS	=	240	MG/L	5	8/10/2021	37.543528	-122.496403		0	72
DDW	Municipal	CA4110011_020_020	TDS	=	340	MG/L	0	7/13/1998	37.508027	-122.386438			
DDW	Municipal	CA4110011_020_020	TDS	=	260	MG/L	0	12/13/2006	37.508027	-122.386438			
DDW	Municipal	CA4110011_020_020	TDS	=	195	MG/L	0	3/5/2012	37.508027	-122.386438			
DDW	Municipal	CA4110011_020_020	TDS	=	210	MG/L	0	3/14/2018	37.508027	-122.386438			
DDW	Municipal	CA4110011_020_020	TDS	=	144	MG/L	0	3/25/2021	37.508027	-122.386438			
DDW	Municipal	CA4110015_002_002	TDS	=	300	MG/L	0	10/16/1985	37.3875	-122.263889			
DDW	Municipal	CA4110015_002_002	TDS	=	280	MG/L	0	12/6/1988	37.3875	-122.263889			
DDW	Municipal	CA4110015_002_002	TDS	=	270	MG/L	0	12/16/1992	37.3875	-122.263889			
DDW	Municipal	CA4110015_002_002	TDS	=	320	MG/L	0	4/9/2007	37.3875	-122.263889			
DDW	Municipal	CA4110011_012_012	TDS	=	250	MG/L	0	9/7/1989	37.505472	-122.384058			
DDW	Municipal	CA4110011_012_012	TDS	=	260	MG/L	0	12/12/1989	37.505472	-122.384058			

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
DDW	Municipal	CA4110011_012_012	TDS	=	280	MG/L	0	3/6/1990	37.505472	-122.384058			
DDW	Municipal	CA4110011_012_012	TDS	=	280	MG/L	0	12/11/1992	37.505472	-122.384058			
DDW	Municipal	CA4110011_012_012	TDS	=	240	MG/L	0	2/22/1996	37.505472	-122.384058			
DDW	Municipal	CA4110011_012_012	TDS	=	120	MG/L	0	7/13/1998	37.505472	-122.384058			
DDW	Municipal	CA4110011_012_012	TDS	=	164	MG/L	0	10/22/2008	37.505472	-122.384058			
DDW	Municipal	CA4110011_012_012	TDS	=	185	MG/L	0	2/18/2014	37.505472	-122.384058			
DDW	Municipal	CA4110011_012_012	TDS	=	190	MG/L	0	2/26/2020	37.505472	-122.384058			
DDW	Municipal	CA4110011_012_012	TDS	=	176	MG/L	10	2/28/2023	37.505472	-122.384058			
DDW	Municipal	CA4110010_009_009	TDS	=	310	MG/L	0	5/12/1992	37.538056	-122.493889			
DDW	Municipal	CA4110010_009_009	TDS	=	310	MG/L	0	3/28/1995	37.538056	-122.493889			
DDW	Municipal	CA4110010_009_009	TDS	=	130	MG/L	0	3/11/1998	37.538056	-122.493889			
DDW	Municipal	CA4110010_011_011	TDS	=	360	MG/L	0	4/25/1986	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	TDS	=	260	MG/L	0	5/12/1992	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	TDS	=	260	MG/L	0	3/28/1995	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	TDS	=	220	MG/L	0	3/11/1998	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	TDS	=	280	MG/L	0	3/15/2001	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	TDS	=	270	MG/L	0	12/5/2002	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	TDS	=	300	MG/L	0	9/17/2003	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	TDS	=	160	MG/L	0	9/21/2006	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	TDS	=	290	MG/L	0	8/25/2009	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	TDS	=	280	MG/L	0	12/1/2009	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	TDS	=	290	MG/L	0	8/21/2012	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	TDS	=	270	MG/L	0	1/28/2016	37.538725	-122.495938		0	200
DDW	Municipal	CA4110011_013_013	TDS	=	270	MG/L	0	9/7/1989	37.505556	-122.383333			
DDW	Municipal	CA4110011_013_013	TDS	=	270	MG/L	0	12/12/1989	37.505556	-122.383333			
DDW	Municipal	CA4110011_013_013	TDS	=	260	MG/L	0	3/6/1990	37.505556	-122.383333			
DDW	Municipal	CA4110011_013_013	TDS	=	280	MG/L	0	12/11/1992	37.505556	-122.383333			
DDW	Municipal	CA4110011_013_013	TDS	=	310	MG/L	0	7/13/1998	37.505556	-122.383333			
DDW	Municipal	CA4110011_013_013	TDS	=	168	MG/L	0	11/16/2009	37.505556	-122.383333			
DDW	Municipal	CA4110011_013_013	TDS	=	225	MG/L	0	12/16/2015	37.505556	-122.383333			
DDW	Municipal	CA4110010_012_012	TDS	=	380	MG/L	0	5/8/1984	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	TDS	=	320	MG/L	0	3/10/1987	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	TDS	=	320	MG/L	0	9/28/1993	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	TDS	=	300	MG/L	0	12/19/1996	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	TDS	=	320	MG/L	0	12/1/1999	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	TDS	=	320	MG/L	0	12/5/2002	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	TDS	=	360	MG/L	0	9/17/2003	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	TDS	=	350	MG/L	0	9/20/2006	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	TDS	=	360	MG/L	0	8/25/2009	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	TDS	=	440	MG/L	0	8/14/2012	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	TDS	=	420	MG/L	0	8/17/2015	37.513503	-122.493874		0	66
DDW	Municipal	CA4110011_016_016	TDS	=	240	MG/L	0	10/17/1989	37.508761	-122.385663			
DDW	Municipal	CA4110011_016_016	TDS	=	200	MG/L	0	12/12/1989	37.508761	-122.385663			
DDW	Municipal	CA4110011_016_016	TDS	=	300	MG/L	0	3/6/1990	37.508761	-122.385663			
DDW	Municipal	CA4110011_016_016	TDS	=	270	MG/L	0	12/11/1992	37.508761	-122.385663			
DDW	Municipal	CA4110011_016_016	TDS	=	330	MG/L	0	7/13/1998	37.508761	-122.385663			
DDW	Municipal	CA4110011_016_016	TDS	=	296	MG/L	0	12/13/2005	37.508761	-122.385663			
DDW	Municipal	CA4110011_016_016	TDS	=	160	MG/L	0	3/8/2011	37.508761	-122.385663			
DDW	Municipal	CA4110011_016_016	TDS	=	140	MG/L	0	3/7/2017	37.508761	-122.385663			
DDW	Municipal	CA4110011_016_016	TDS	=	168	MG/L	0	3/25/2021	37.508761	-122.385663			
DDW	Municipal	CA4110010_003_003	TDS	=	310	MG/L	0	5/8/1984	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	TDS	=	300	MG/L	0	3/10/1987	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	TDS	=	280	MG/L	0	9/28/1993	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	TDS	=	250	MG/L	0	12/19/1996	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	TDS	=	330	MG/L	0	12/1/1999	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	TDS	=	290	MG/L	0	12/5/2002	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	TDS	=	330	MG/L	0	9/17/2003	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	TDS	=	300	MG/L	0	9/21/2006	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	TDS	=	290	MG/L	0	8/25/2009	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	TDS	=	280	MG/L	0	8/21/2012	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	TDS	=	270	MG/L	0	8/10/2015	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	TDS	=	270	MG/L	0	7/23/2018	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	TDS	=	270	MG/L	5	8/10/2021	37.543429	-122.498185		0	215
DWR	Water Supply, Other	05S06W11E001M	TDS		376	MG/L	1	8/15/1974	37.5147	-122.4996	114	12	98
DWR	Water Supply, Other	05S06W11E001M	TDS		450	MG/L	1	9/4/1985	37.5147	-122.4996	114	12	98
DWR	Water Supply, Other	05S05W29P001M	TDS		333	MG/L	1	8/15/1974	37.4644	-122.4316	84		
DWR	Water Supply, Other	05S05W29P001M	TDS		374	MG/L	1	8/23/1984	37.4644	-122.4316	84		

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
DWR	Water Supply, Other	05S05W20E001M	TDS		347	MG/L	1	5/23/1973	37.4844	-122.4391	110		
DWR	Water Supply, Other	05S05W20E001M	TDS		281	MG/L	1	8/4/1983	37.4844	-122.4391	110		
DWR	Water Supply, Other	05S05W19H001M	TDS		195	MG/L	1	8/17/1978	37.4833	-122.443	105	44	50
DWR	Water Supply, Other	05S05W18N001M	TDS		396	MG/L	1	10/21/1986	37.493	-122.463			
DWR	Water Supply, Other	05S06W14D001M	TDS		373	MG/L	1	6/18/1975	37.5038	-122.4996			
DWR	Water Supply, Other	05S05W32D001M	TDS		663	MG/L	1	5/23/1973	37.4605	-122.4447			
DWR	Water Supply, Other	05S05W32D001M	TDS		644	MG/L	1	9/4/1985	37.4605	-122.4447			
WB_CLEANUP	Monitoring	L10001461904-MW-7	TDS	=	160	MG/L	10	5/12/2005	37.4996493	-122.4069069			
WB_CLEANUP	Monitoring	L10001461904-MW-7	TDS	=	140	MG/L	10	11/17/2005	37.4996493	-122.4069069			
WB_CLEANUP	Monitoring	L10001461904-MW-7	TDS	=	160	MG/L	10	5/23/2006	37.4996493	-122.4069069			
WB_CLEANUP	Monitoring	T0608100473-S-2	TDS	=	870	MG/L	10	10/4/2006	37.467783	-122.4293381			
WB_CLEANUP	Monitoring	L10001461904-MW-11B	TDS	=	510	MG/L	33	5/10/2005	37.4953947	-122.4128526			
WB_CLEANUP	Monitoring	L10001461904-MW-11B	TDS	=	540	MG/L	33	11/21/2005	37.4953947	-122.4128526			
WB_CLEANUP	Monitoring	L10001461904-MW-11B	TDS	=	570	MG/L	33	5/24/2006	37.4953947	-122.4128526			
WB_CLEANUP	Monitoring	L10001461904-MW-6F	TDS	=	557	MG/L	40	2/16/2005	37.4951711	-122.4120385			
WB_CLEANUP	Monitoring	L10001461904-MW-6F	TDS	=	570	MG/L	33	5/10/2005	37.4951711	-122.4120385			
WB_CLEANUP	Monitoring	L10001461904-MW-6F	TDS	=	580	MG/L	33	8/3/2005	37.4951711	-122.4120385			
WB_CLEANUP	Monitoring	L10001461904-MW-6F	TDS	=	580	MG/L	33	11/21/2005	37.4951711	-122.4120385			
WB_CLEANUP	Monitoring	L10001461904-MW-6F	TDS	=	570	MG/L	33	2/16/2006	37.4951711	-122.4120385			
WB_CLEANUP	Monitoring	L10001461904-MW-6F	TDS	=	630	MG/L	33	5/24/2006	37.4951711	-122.4120385			
WB_CLEANUP	Monitoring	T0608100993-MW-3	TDS	=	270	MG/L	10	8/28/2012	37.50450761	-122.4772264	49.55		
WB_CLEANUP	Monitoring	T0608192710-MW-5	TDS	=	430	MG/L	10	3/7/2012	37.5417523	-122.5160765			
WB_CLEANUP	Monitoring	L10001461904-MW-6E	TDS	=	533	MG/L	40	2/16/2005	37.4951788	-122.4120714			
WB_CLEANUP	Monitoring	L10001461904-MW-6E	TDS	=	570	MG/L	33	5/10/2005	37.4951788	-122.4120714			
WB_CLEANUP	Monitoring	L10001461904-MW-6E	TDS	=	580	MG/L	33	8/3/2005	37.4951788	-122.4120714			
WB_CLEANUP	Monitoring	L10001461904-MW-6E	TDS	=	580	MG/L	33	11/21/2005	37.4951788	-122.4120714			
WB_CLEANUP	Monitoring	L10001461904-MW-6E	TDS	=	550	MG/L	33	2/16/2006	37.4951788	-122.4120714			
WB_CLEANUP	Monitoring	L10001461904-MW-6E	TDS	=	600	MG/L	33	5/24/2006	37.4951788	-122.4120714			
WB_CLEANUP	Monitoring	L10001461904-MW-6D	TDS	=	440	MG/L	40	2/16/2005	37.4951878	-122.4121077			
WB_CLEANUP	Monitoring	L10001461904-MW-6D	TDS	=	470	MG/L	33	5/10/2005	37.4951878	-122.4121077			
WB_CLEANUP	Monitoring	L10001461904-MW-6D	TDS	=	470	MG/L	33	8/3/2005	37.4951878	-122.4121077			
WB_CLEANUP	Monitoring	L10001461904-MW-6D	TDS	=	480	MG/L	33	11/21/2005	37.4951878	-122.4121077			
WB_CLEANUP	Monitoring	L10001461904-MW-6D	TDS	=	400	MG/L	33	2/16/2006	37.4951878	-122.4121077			
WB_CLEANUP	Monitoring	L10001461904-MW-6D	TDS	=	520	MG/L	33	5/24/2006	37.4951878	-122.4121077			
WB_CLEANUP	Monitoring	T0608192710-MW-2	TDS	=	490	MG/L	10	3/7/2012	37.5417039	-122.5161284		15	20
WB_CLEANUP	Monitoring	L10001461904-MW-13A	TDS	=	750	MG/L	50	2/16/2005	37.4910292	-122.4109947			
WB_CLEANUP	Monitoring	L10001461904-MW-13A	TDS	=	720	MG/L	33	5/11/2005	37.4910292	-122.4109947			
WB_CLEANUP	Monitoring	L10001461904-MW-13A	TDS	=	690	MG/L	33	8/3/2005	37.4910292	-122.4109947			
WB_CLEANUP	Monitoring	L10001461904-MW-13A	TDS	=	670	MG/L	33	11/22/2005	37.4910292	-122.4109947			
WB_CLEANUP	Monitoring	L10001461904-MW-13A	TDS	=	660	MG/L	50	2/16/2006	37.4910292	-122.4109947			
WB_CLEANUP	Monitoring	L10001461904-MW-13A	TDS	=	720	MG/L	33	5/22/2006	37.4910292	-122.4109947			
WB_CLEANUP	Monitoring	L10001461904-MW-13C	TDS	=	1360	MG/L	50	2/16/2005	37.4910272	-122.4110443			
WB_CLEANUP	Monitoring	L10001461904-MW-13C	TDS	=	1300	MG/L	50	5/11/2005	37.4910272	-122.4110443			
WB_CLEANUP	Monitoring	L10001461904-MW-13C	TDS	=	1200	MG/L	50	8/3/2005	37.4910272	-122.4110443			
WB_CLEANUP	Monitoring	L10001461904-MW-13C	TDS	=	1200	MG/L	50	11/22/2005	37.4910272	-122.4110443			
WB_CLEANUP	Monitoring	L10001461904-MW-13C	TDS	=	1100	MG/L	50	2/16/2006	37.4910272	-122.4110443			
WB_CLEANUP	Monitoring	L10001461904-MW-13C	TDS	=	1100	MG/L	50	5/22/2006	37.4910272	-122.4110443			
WB_CLEANUP	Monitoring	L10001461904-MW-8	TDS	=	150	MG/L	10	5/12/2005	37.5054083	-122.4056594			
WB_CLEANUP	Monitoring	L10001461904-MW-8	TDS	=	130	MG/L	10	11/17/2005	37.5054083	-122.4056594			
WB_CLEANUP	Monitoring	L10001461904-MW-8	TDS	=	140	MG/L	10	5/23/2006	37.5054083	-122.4056594			
WB_CLEANUP	Monitoring	T0608100993-MW-6	TDS	=	420	MG/L	10	8/28/2012	37.50458323	-122.4767827			
WB_CLEANUP	Monitoring	T0608192710-MW-1	TDS	=	410	MG/L	10	3/7/2012	37.5418364	-122.5160569		15	20
WB_CLEANUP	Monitoring	L10001461904-G-4C	TDS	=	310	MG/L	20	5/12/2005	37.510975	-122.4045482			
WB_CLEANUP	Monitoring	L10001461904-G-4C	TDS	=	290	MG/L	20	11/17/2005	37.510975	-122.4045482			
WB_CLEANUP	Monitoring	L10001461904-G-4C	TDS	=	290	MG/L	20	5/23/2006	37.510975	-122.4045482			
WB_CLEANUP	Monitoring	L10001461904-MW-12	TDS	=	470	MG/L	33	5/10/2005	37.4950553	-122.4114203			
WB_CLEANUP	Monitoring	L10001461904-MW-12	TDS	=	470	MG/L	33	11/21/2005	37.4950553	-122.4114203			
WB_CLEANUP	Monitoring	L10001461904-MW-12	TDS	=	470	MG/L	33	5/24/2006	37.4950553	-122.4114203			
WB_CLEANUP	Monitoring	L10001461904-MW-6C	TDS	=	286	MG/L	20	2/16/2005	37.4951954	-122.4121445			
WB_CLEANUP	Monitoring	L10001461904-MW-6C	TDS	=	310	MG/L	20	5/10/2005	37.4951954	-122.4121445			
WB_CLEANUP	Monitoring	L10001461904-MW-6C	TDS	=	310	MG/L	20	8/3/2005	37.4951954	-122.4121445			
WB_CLEANUP	Monitoring	L10001461904-MW-6C	TDS	=	350	MG/L	20	11/21/2005	37.4951954	-122.4121445			
WB_CLEANUP	Monitoring	L10001461904-MW-6C	TDS	=	320	MG/L	20	2/16/2006	37.4951954	-122.4121445			
WB_CLEANUP	Monitoring	L10001461904-MW-6C	TDS	=	350	MG/L	20	5/24/2006	37.4951954	-122.4121445			
WB_CLEANUP	Monitoring	T0608100473-S-4	TDS	=	1500	MG/L	10	10/4/2006	37.4677254	-122.4296433			
WB_CLEANUP	Monitoring	T0608100993-MW-4	TDS	=	350	MG/L	10	8/28/2012	37.5045289	-122.4767421	50.7		
WB_CLEANUP	Monitoring	T0608192710-MW-6	TDS	=	590	MG/L	10	3/7/2012	37.5418229	-122.5163054		20	12

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
WB_CLEANUP	Monitoring	L10001461904-MW-11A	TDS	=	620	MG/L	33	5/10/2005	37.4953143	-122.4126177			
WB_CLEANUP	Monitoring	L10001461904-MW-11A	TDS	=	780	MG/L	50	11/21/2005	37.4953143	-122.4126177			
WB_CLEANUP	Monitoring	L10001461904-MW-11A	TDS	=	640	MG/L	33	5/24/2006	37.4953143	-122.4126177			
WB_CLEANUP	Monitoring	L10001461904-MW-6A	TDS	=	593	MG/L	40	2/16/2005	37.4952136	-122.4122196			
WB_CLEANUP	Monitoring	L10001461904-MW-6A	TDS	=	520	MG/L	33	5/10/2005	37.4952136	-122.4122196			
WB_CLEANUP	Monitoring	L10001461904-MW-6A	TDS	=	590	MG/L	33	8/3/2005	37.4952136	-122.4122196			
WB_CLEANUP	Monitoring	L10001461904-MW-6A	TDS	=	620	MG/L	33	11/21/2005	37.4952136	-122.4122196			
WB_CLEANUP	Monitoring	L10001461904-MW-6A	TDS	=	610	MG/L	33	2/16/2006	37.4952136	-122.4122196			
WB_CLEANUP	Monitoring	L10001461904-MW-6A	TDS	=	1600	MG/L	50	5/24/2006	37.4952136	-122.4122196			
WB_CLEANUP	Monitoring	L10001461904-MW-9	TDS	=	230	MG/L	20	5/12/2005	37.5069739	-122.4088968			
WB_CLEANUP	Monitoring	L10001461904-MW-9	TDS	=	210	MG/L	20	11/18/2005	37.5069739	-122.4088968			
WB_CLEANUP	Monitoring	L10001461904-MW-9	TDS	=	240	MG/L	20	5/23/2006	37.5069739	-122.4088968			
WB_CLEANUP	Monitoring	T0608100473-S-6	TDS	=	350	MG/L	10	10/4/2006	37.4673024	-122.4297518			
WB_CLEANUP	Monitoring	T0608100993-MW-2	TDS	=	360	MG/L	10	8/28/2012	37.504268	-122.4769282	47.65		
WB_CLEANUP	Monitoring	T0608192710-MW-3	TDS	=	560	MG/L	10	3/7/2012	37.5417705	-122.5163208		20	15
WB_CLEANUP	Monitoring	T0608192710-MW-7	TDS	=	750	MG/L	10	3/7/2012	37.541903	-122.5161977		53	10
WB_CLEANUP	Monitoring	L10001461904-MW-13B	TDS	=	653	MG/L	40	2/16/2005	37.4910299	-122.411014			
WB_CLEANUP	Monitoring	L10001461904-MW-13B	TDS	=	660	MG/L	33	5/11/2005	37.4910299	-122.411014			
WB_CLEANUP	Monitoring	L10001461904-MW-13B	TDS	=	670	MG/L	33	8/3/2005	37.4910299	-122.411014			
WB_CLEANUP	Monitoring	L10001461904-MW-13B	TDS	=	650	MG/L	33	11/22/2005	37.4910299	-122.411014			
WB_CLEANUP	Monitoring	L10001461904-MW-13B	TDS	=	680	MG/L	33	2/16/2006	37.4910299	-122.411014			
WB_CLEANUP	Monitoring	L10001461904-MW-13B	TDS	=	710	MG/L	33	5/22/2006	37.4910299	-122.411014			
WB_CLEANUP	Monitoring	L10001461904-MW-10	TDS	=	460	MG/L	33	5/11/2005	37.5016988	-122.4149507			
WB_CLEANUP	Monitoring	L10001461904-MW-10	TDS	=	320	MG/L	33	11/17/2005	37.5016988	-122.4149507			
WB_CLEANUP	Monitoring	L10001461904-MW-10	TDS	=	590	MG/L	33	5/23/2006	37.5016988	-122.4149507			
WB_CLEANUP	Monitoring	L10001461904-MW-6B	TDS	=	320	MG/L	20	2/16/2005	37.4952043	-122.412179			
WB_CLEANUP	Monitoring	L10001461904-MW-6B	TDS	=	330	MG/L	20	5/10/2005	37.4952043	-122.412179			
WB_CLEANUP	Monitoring	L10001461904-MW-6B	TDS	=	350	MG/L	20	8/3/2005	37.4952043	-122.412179			
WB_CLEANUP	Monitoring	L10001461904-MW-6B	TDS	=	340	MG/L	20	11/21/2005	37.4952043	-122.412179			
WB_CLEANUP	Monitoring	L10001461904-MW-6B	TDS	=	340	MG/L	20	2/16/2006	37.4952043	-122.412179			
WB_CLEANUP	Monitoring	L10001461904-MW-6B	TDS	=	370	MG/L	20	5/24/2006	37.4952043	-122.412179			
GAMA_USGS	Municipal	HR-SC-01	TDS		166	MG/L	12	3/28/2011	37.55016708	-122.4967499	776	370	406
GAMA_USGS	Municipal	HR-SC-01	TDS		184	MG/L	20	8/18/2016	37.55016708	-122.4967499	776	370	406
GAMA_USGS	Municipal	HR-SC-01	TDS		188	MG/L	20	6/14/2021	37.55016708	-122.4967499	776	370	406
GAMA_USGS	Municipal	HR-SC-04	TDS		609	MG/L	12	3/30/2011	37.37680435	-122.2570038	300	60	220
GAMA_USGS	Domestic	HR-SC-07	TDS		1020	MG/L	12	4/4/2011	37.37708282	-122.3954697	300	90	160
USGS_NWIS	Municipal	USGS-373300122290001	TDS		166	MG/L	12	3/28/2011	37.55016667	-122.49675	776		
USGS_NWIS	Municipal	USGS-373300122290001	TDS		167	MG/L	UNK	3/28/2011	37.55016667	-122.49675	776		
USGS_NWIS	Municipal	USGS-373300122290001	TDS		184	MG/L	20	8/18/2016	37.55016667	-122.49675	776		
USGS_NWIS	Municipal	USGS-373300122290001	TDS		188	MG/L	20	6/14/2021	37.55016667	-122.49675	776		
USGS_NWIS	Municipal	USGS-373300122290001	TDS		189	MG/L	UNK	6/14/2021	37.55016667	-122.49675	776		
USGS_NWIS	Domestic	USGS-372200122230001	TDS		1020	MG/L	12	4/4/2011	37.37708333	-122.3954722	300		
USGS_NWIS	Domestic	USGS-372200122230001	TDS		996	MG/L	UNK	4/4/2011	37.37708333	-122.3954722	300		
USGS_NWIS	Municipal	USGS-372200122150001	TDS		609	MG/L	12	3/30/2011	37.37680556	-122.257	300		
USGS_NWIS	Municipal	USGS-372200122150001	TDS		603	MG/L	UNK	3/30/2011	37.37680556	-122.257	300		
USGS_NWIS	Municipal	USGS-373054122294101	TDS		388	MG/L	UNK	9/15/1981	37.51494067	-122.4958113			
DDW	Municipal	CA4110010_015_015	Iron	<	0	UG/L	100	12/19/1996	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Iron	<	0	UG/L	100	8/25/1999	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Iron	<	0	UG/L	100	9/24/2002	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Iron	<	0	UG/L	100	9/17/2003	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Iron	<	0	UG/L	100	9/20/2006	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Iron	<	0	UG/L	100	8/25/2009	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Iron	<	100	UG/L	100	8/21/2012	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Iron	=	150	UG/L	100	8/17/2015	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Iron	=	260	UG/L	100	7/23/2018	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Iron	=	180	UG/L	30	8/10/2021	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_032_032	Iron	<	0	UG/L	100	5/17/2007	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	770	UG/L	100	6/27/1997	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	4800	UG/L	100	3/5/2001	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	5200	UG/L	100	12/8/2003	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	5200	UG/L	100	12/21/2006	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	3900	UG/L	100	12/30/2008	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	3800	UG/L	100	10/22/2009	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	3700	UG/L	100	7/19/2012	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	4000	UG/L	100	10/15/2012	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	4400	UG/L	100	2/18/2013	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	5400	UG/L	100	4/15/2013	37.510634	-122.500468			

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
DDW	Municipal	CA4110010_032_032	Iron	=	4000	UG/L	100	7/22/2013	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	4500	UG/L	100	10/21/2013	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	5100	UG/L	100	1/20/2014	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	1300	UG/L	100	4/21/2014	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	4200	UG/L	100	10/20/2014	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	4500	UG/L	100	1/19/2015	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	4400	UG/L	100	4/20/2015	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	4000	UG/L	100	7/20/2015	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	4000	UG/L	100	10/19/2015	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	3700	UG/L	100	1/18/2016	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	4000	UG/L	100	5/18/2016	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	4100	UG/L	100	9/15/2016	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	4400	UG/L	100	12/1/2016	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	4300	UG/L	100	1/25/2017	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	3000	UG/L	100	4/13/2017	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	4300	UG/L	100	8/10/2017	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	4500	UG/L	100	11/9/2017	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	1800	UG/L	100	2/7/2018	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	4500	UG/L	100	5/1/2018	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	3700	UG/L	100	7/26/2018	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	4400	UG/L	100	11/15/2018	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Iron	=	3700	UG/L	30	11/10/2021	37.510634	-122.500468			
DDW	Municipal	CA4110010_008_008	Iron	<	0	UG/L	100	9/22/1994	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	Iron	<	0	UG/L	100	12/9/1997	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	Iron	<	0	UG/L	100	9/17/2003	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	Iron	<	0	UG/L	100	12/15/2003	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	Iron	<	0	UG/L	100	2/25/2008	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	Iron	<	100	UG/L	100	2/2/2011	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	Iron	<	100	UG/L	100	3/18/2014	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	Iron	=	1200	UG/L	100	8/27/1991	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	Iron	=	200	UG/L	100	12/7/2000	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	Iron	=	8800	UG/L	100	1/25/2017	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	Iron	=	2200	UG/L	100	2/12/2020	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	Iron	=	380	UG/L	30	2/13/2023	37.538612	-122.494804		0	10
DDW	Municipal	CA4110011_004_004	Iron	<	0	UG/L	100	4/21/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Iron	<	0	UG/L	100	5/19/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Iron	<	0	UG/L	100	5/28/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Iron	<	0	UG/L	100	6/30/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Iron	=	48	UG/L	100	6/15/1989	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Iron	=	170	UG/L	100	12/12/1989	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Iron	=	4700	UG/L	100	3/6/1990	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Iron	=	13000	UG/L	100	6/19/1990	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Iron	=	4900	UG/L	100	6/9/1992	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Iron	=	9900	UG/L	100	7/13/1998	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Iron	=	2950	UG/L	100	2/20/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Iron	=	248	UG/L	100	3/27/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Iron	=	184	UG/L	100	4/2/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Iron	=	521	UG/L	100	4/10/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Iron	=	618	UG/L	100	4/16/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Iron	=	362	UG/L	100	5/5/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Iron	=	251	UG/L	100	6/2/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Iron	=	168	UG/L	100	6/9/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Iron	=	110	UG/L	100	6/19/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Iron	=	284	UG/L	100	6/25/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Iron	=	6670	UG/L	100	7/10/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Iron	=	6800	UG/L	100	3/7/2012	37.513	-122.489038			
DDW	Municipal	CA4110010_030_030	Iron	=	5900	UG/L	100	6/27/1997	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Iron	=	5100	UG/L	100	12/8/2003	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Iron	=	3700	UG/L	100	12/21/2006	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Iron	=	4300	UG/L	100	12/30/2008	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Iron	=	2700	UG/L	100	10/22/2009	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Iron	=	4400	UG/L	100	7/19/2012	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Iron	=	3800	UG/L	100	10/15/2012	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Iron	=	4900	UG/L	100	4/15/2013	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Iron	=	3700	UG/L	100	7/22/2013	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Iron	=	7100	UG/L	100	10/21/2013	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Iron	=	4500	UG/L	100	1/20/2014	37.510519	-122.499799			

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
DDW	Municipal	CA4110010_030_030	Iron	=	3800	UG/L	100	4/21/2014	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Iron	=	8500	UG/L	100	10/20/2014	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Iron	=	4000	UG/L	100	1/19/2015	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Iron	=	3400	UG/L	100	5/18/2015	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Iron	=	4600	UG/L	100	7/20/2015	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Iron	=	4000	UG/L	100	10/19/2015	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Iron	=	4700	UG/L	100	1/18/2016	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Iron	=	8300	UG/L	100	5/18/2016	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Iron	=	5400	UG/L	100	9/15/2016	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Iron	=	4000	UG/L	100	12/13/2016	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Iron	=	4500	UG/L	100	1/25/2017	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Iron	=	4400	UG/L	100	4/13/2017	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Iron	=	3800	UG/L	100	9/6/2017	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Iron	=	4100	UG/L	100	11/9/2017	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Iron	=	4400	UG/L	100	2/7/2018	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Iron	=	4100	UG/L	100	5/1/2018	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Iron	=	3600	UG/L	100	7/26/2018	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Iron	=	3800	UG/L	100	11/15/2018	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Iron	=	3900	UG/L	30	11/10/2021	37.510519	-122.499799			
DDW	Municipal	CA4100533_006_006	Iron	<	100	UG/L	100	11/20/2008	37.376303	-122.259641		0	0
DDW	Municipal	CA4100533_006_006	Iron	<	0	UG/L	100	12/1/2010	37.376303	-122.259641		0	0
DDW	Municipal	CA4100533_006_006	Iron	<	100	UG/L	100	11/17/2011	37.376303	-122.259641		0	0
DDW	Municipal	CA4100533_006_006	Iron	=	514	UG/L	100	7/21/2020	37.376303	-122.259641		0	0
DDW	Municipal	CA4110010_010_010	Iron	<	100	UG/L	100	4/25/1986	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Iron	<	100	UG/L	100	5/12/1992	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Iron	<	0	UG/L	100	3/28/1995	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Iron	<	0	UG/L	100	3/11/1998	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Iron	<	0	UG/L	100	3/15/2001	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Iron	<	0	UG/L	100	3/25/2004	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Iron	<	0	UG/L	100	6/23/2004	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Iron	<	0	UG/L	100	5/9/2007	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Iron	<	0	UG/L	100	6/15/2010	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Iron	<	100	UG/L	100	5/19/2016	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Iron	<	100	UG/L	100	4/16/2019	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Iron	=	100	UG/L	100	5/22/2013	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Iron	=	330	UG/L	30	4/26/2022	37.539958	-122.499261		0	235
DDW	Municipal	CA4110011_014_014	Iron	<	100	UG/L	100	2/27/2017	37.505855	-122.38373			
DDW	Municipal	CA4110011_014_014	Iron	<	30	UG/L	30	3/25/2021	37.505855	-122.38373			
DDW	Municipal	CA4110011_014_014	Iron	=	53	UG/L	100	9/7/1989	37.505855	-122.38373			
DDW	Municipal	CA4110011_014_014	Iron	=	270	UG/L	100	12/12/1989	37.505855	-122.38373			
DDW	Municipal	CA4110011_014_014	Iron	=	110	UG/L	100	3/6/1990	37.505855	-122.38373			
DDW	Municipal	CA4110011_014_014	Iron	=	2000	UG/L	100	12/11/1992	37.505855	-122.38373			
DDW	Municipal	CA4110011_014_014	Iron	=	460	UG/L	100	7/13/1998	37.505855	-122.38373			
DDW	Municipal	CA4110011_014_014	Iron	=	8200	UG/L	100	10/18/2010	37.505855	-122.38373			
DDW	Municipal	CA4110011_007_007	Iron	<	100	UG/L	100	6/9/1992	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	<	0	UG/L	100	8/15/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	<	0	UG/L	100	11/29/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	<	0	UG/L	100	5/19/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	<	0	UG/L	100	7/10/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	<	0	UG/L	100	7/17/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	<	0	UG/L	100	7/23/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	<	0	UG/L	100	7/28/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	<	0	UG/L	100	8/4/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	300	UG/L	100	6/15/1989	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	100	UG/L	100	12/12/1989	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	3600	UG/L	100	7/13/1998	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	100	UG/L	100	2/28/2006	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	631	UG/L	100	6/12/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	611	UG/L	100	6/13/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	2430	UG/L	100	6/18/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	435	UG/L	100	6/26/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	480	UG/L	100	7/2/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	400	UG/L	100	7/9/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	2650	UG/L	100	7/16/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	391	UG/L	100	7/25/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	7310	UG/L	100	7/31/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	115	UG/L	100	8/20/2007	37.51252	-122.488364			

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
DDW	Municipal	CA4110011_007_007	Iron	=	193	UG/L	100	8/27/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	200	UG/L	100	9/5/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	146	UG/L	100	9/11/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	200	UG/L	100	9/17/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	7020	UG/L	100	9/24/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	108	UG/L	100	10/2/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	24660	UG/L	100	11/5/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	1390	UG/L	100	11/16/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	3520	UG/L	100	11/19/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	926	UG/L	100	12/3/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	5620	UG/L	100	3/27/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	380	UG/L	100	4/2/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	139	UG/L	100	4/10/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	1010	UG/L	100	4/16/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	3510	UG/L	100	4/21/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	2980	UG/L	100	5/5/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	138	UG/L	100	5/12/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	364	UG/L	100	6/9/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	2690	UG/L	100	6/19/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	905	UG/L	100	6/25/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	922	UG/L	100	6/30/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Iron	=	1500	UG/L	100	1/26/2011	37.51252	-122.488364			
DDW	Municipal	CA4100533_003_003	Iron	<	0	UG/L	100	3/28/2007	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	<	0	UG/L	100	9/8/2010	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	<	100	UG/L	100	1/29/2018	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	<	100	UG/L	100	4/29/2018	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	440	UG/L	100	12/4/2007	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	1200	UG/L	100	11/20/2008	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	2200	UG/L	100	11/15/2009	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	200	UG/L	100	4/15/2010	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	2400	UG/L	100	6/2/2010	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	210	UG/L	100	2/2/2011	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	2800	UG/L	100	3/30/2012	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	3200	UG/L	100	6/15/2012	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	170	UG/L	100	9/14/2012	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	1700	UG/L	100	3/27/2013	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	630	UG/L	100	6/26/2013	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	160	UG/L	100	9/23/2013	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	110	UG/L	100	12/12/2013	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	140	UG/L	100	9/11/2014	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	1400	UG/L	100	11/25/2014	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	4800	UG/L	100	3/11/2015	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	4500	UG/L	100	2/12/2016	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	3200	UG/L	100	4/22/2016	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	11000	UG/L	100	10/5/2016	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	2400	UG/L	100	1/16/2017	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	3100	UG/L	100	4/5/2017	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	460	UG/L	100	7/20/2017	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	2400	UG/L	100	10/25/2017	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	13000	UG/L	100	7/10/2018	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	4600	UG/L	100	7/12/2018	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	3200	UG/L	100	10/17/2018	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	3800	UG/L	100	1/10/2019	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	2690	UG/L	100	10/27/2020	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	3540	UG/L	100	1/12/2021	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	3080	UG/L	100	4/13/2021	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	2900	UG/L	100	7/14/2021	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	2900	UG/L	100	7/14/2021	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	16000	UG/L	30	10/12/2021	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Iron	=	6230	UG/L	30	1/26/2022	37.390162	-122.269101		0	20
DDW	Municipal	CA4110010_007_007	Iron	<	100	UG/L	100	9/28/1993	37.538889	-122.502778			
DDW	Municipal	CA4110010_007_007	Iron	=	1700	UG/L	100	5/8/1984	37.538889	-122.502778			
DDW	Municipal	CA4110010_007_007	Iron	=	4100	UG/L	100	12/19/1996	37.538889	-122.502778			
DDW	Municipal	CA4110011_008_008	Iron	=	4900	UG/L	100	6/15/1989	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3600	UG/L	100	12/12/1989	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3500	UG/L	100	3/6/1990	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3700	UG/L	100	6/19/1990	37.511642	-122.501806			

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
DDW	Municipal	CA4110011_008_008	Iron	=	4000	UG/L	100	6/9/1992	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	1000	UG/L	100	7/13/1998	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3146	UG/L	100	3/1/2005	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3730	UG/L	100	3/12/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	4210	UG/L	100	3/19/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	4400	UG/L	100	3/30/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	4580	UG/L	100	4/2/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	4360	UG/L	100	4/9/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	4640	UG/L	100	4/17/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	6580	UG/L	100	4/26/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	4340	UG/L	100	4/30/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3640	UG/L	100	5/7/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	6420	UG/L	100	5/14/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3730	UG/L	100	5/22/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3690	UG/L	100	5/29/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	5460	UG/L	100	6/4/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3780	UG/L	100	6/12/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	996	UG/L	100	6/18/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3870	UG/L	100	6/26/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	4220	UG/L	100	7/2/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3650	UG/L	100	7/9/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3890	UG/L	100	7/25/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3930	UG/L	100	7/31/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3860	UG/L	100	8/7/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	4250	UG/L	100	8/15/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	4030	UG/L	100	8/20/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	4100	UG/L	100	8/27/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3600	UG/L	100	9/5/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3540	UG/L	100	9/11/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	4130	UG/L	100	9/17/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	4530	UG/L	100	9/24/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3990	UG/L	100	10/2/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3740	UG/L	100	10/9/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3940	UG/L	100	10/22/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3540	UG/L	100	10/29/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3775	UG/L	100	11/5/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3770	UG/L	100	11/29/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	4860	UG/L	100	12/3/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	4260	UG/L	100	2/25/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3250	UG/L	100	3/27/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3500	UG/L	100	4/2/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	9060	UG/L	100	5/12/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	2980	UG/L	100	5/19/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3100	UG/L	100	5/28/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3240	UG/L	100	6/2/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	4140	UG/L	100	6/9/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	4000	UG/L	100	6/19/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3820	UG/L	100	6/25/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	4245	UG/L	100	6/30/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	4220	UG/L	100	7/10/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3760	UG/L	100	7/17/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3830	UG/L	100	7/23/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3810	UG/L	100	7/28/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3700	UG/L	100	8/4/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	2800	UG/L	100	3/19/2014	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3000	UG/L	100	3/20/2017	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	2800	UG/L	100	3/17/2020	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	2500	UG/L	100	3/3/2021	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	2570	UG/L	100	5/5/2021	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	2810	UG/L	30	9/22/2021	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	3250	UG/L	30	11/8/2021	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	2410	UG/L	30	2/2/2022	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	2750	UG/L	30	5/4/2022	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	2520	UG/L	30	8/17/2022	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	2500	UG/L	30	11/2/2022	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	2080	UG/L	30	2/15/2023	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Iron	=	2230	UG/L	30	3/22/2023	37.511642	-122.501806			

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
DDW	Municipal	CA4110011_008_008	Iron	=	2210	UG/L	30	5/25/2023	37.511642	-122.501806			
DDW	Municipal	CA4110011_015_015	Iron	<	100	UG/L	100	1/9/2019	37.505997	-122.383566			
DDW	Municipal	CA4110011_015_015	Iron	=	380	UG/L	100	9/7/1989	37.505997	-122.383566			
DDW	Municipal	CA4110011_015_015	Iron	=	2200	UG/L	100	12/12/1989	37.505997	-122.383566			
DDW	Municipal	CA4110011_015_015	Iron	=	1200	UG/L	100	12/11/1992	37.505997	-122.383566			
DDW	Municipal	CA4110011_015_015	Iron	=	3400	UG/L	100	7/13/1998	37.505997	-122.383566			
DDW	Municipal	CA4110011_015_015	Iron	=	18000	UG/L	100	10/22/2008	37.505997	-122.383566			
DDW	Municipal	CA4110011_015_015	Iron	=	230	UG/L	100	1/30/2017	37.505997	-122.383566			
DDW	Municipal	CA4110011_015_015	Iron	=	47	UG/L	30	1/31/2022	37.505997	-122.383566			
DDW	Municipal	CA4110011_003_003	Iron	<	100	UG/L	100	6/9/1992	37.511874	-122.48805			
DDW	Municipal	CA4110011_003_003	Iron	=	180	UG/L	100	9/7/1989	37.511874	-122.48805			
DDW	Municipal	CA4110011_003_003	Iron	=	100	UG/L	100	12/12/1989	37.511874	-122.48805			
DDW	Municipal	CA4110011_003_003	Iron	=	63	UG/L	100	3/6/1990	37.511874	-122.48805			
DDW	Municipal	CA4110011_003_003	Iron	=	180	UG/L	100	6/19/1990	37.511874	-122.48805			
DDW	Municipal	CA4110011_003_003	Iron	=	2400	UG/L	100	7/13/1998	37.511874	-122.48805			
DDW	Municipal	CA4110011_003_003	Iron	=	2700	UG/L	100	6/12/2013	37.511874	-122.48805			
DDW	Municipal	CA4110011_017_017	Iron	<	100	UG/L	100	12/11/1992	37.509811	-122.384775			
DDW	Municipal	CA4110011_017_017	Iron	<	100	UG/L	100	2/27/2013	37.509811	-122.384775			
DDW	Municipal	CA4110011_017_017	Iron	<	100	UG/L	100	2/21/2019	37.509811	-122.384775			
DDW	Municipal	CA4110011_017_017	Iron	<	30	UG/L	30	2/8/2022	37.509811	-122.384775			
DDW	Municipal	CA4110011_017_017	Iron	=	91	UG/L	100	9/7/1989	37.509811	-122.384775			
DDW	Municipal	CA4110011_017_017	Iron	=	330	UG/L	100	12/12/1989	37.509811	-122.384775			
DDW	Municipal	CA4110011_017_017	Iron	=	64	UG/L	100	3/6/1990	37.509811	-122.384775			
DDW	Municipal	CA4110011_017_017	Iron	=	120	UG/L	100	7/13/1998	37.509811	-122.384775			
DDW	Municipal	CA4110011_017_017	Iron	=	770	UG/L	100	11/29/2007	37.509811	-122.384775			
DDW	Municipal	CA4110011_005_005	Iron	<	100	UG/L	100	6/9/1992	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Iron	<	0	UG/L	100	7/23/2008	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Iron	<	0	UG/L	100	7/28/2008	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Iron	=	2000	UG/L	100	9/7/1989	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Iron	=	510	UG/L	100	12/12/1989	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Iron	=	2000	UG/L	100	3/6/1990	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Iron	=	620	UG/L	100	6/19/1990	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Iron	=	160	UG/L	100	7/13/1998	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Iron	=	1950	UG/L	100	4/11/2005	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Iron	=	8560	UG/L	100	2/25/2008	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Iron	=	284	UG/L	100	5/12/2008	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Iron	=	419	UG/L	100	6/2/2008	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Iron	=	1120	UG/L	100	6/9/2008	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Iron	=	292	UG/L	100	6/30/2008	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Iron	=	294	UG/L	100	7/10/2008	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Iron	=	126	UG/L	100	7/17/2008	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Iron	=	212	UG/L	100	8/4/2008	37.51206	-122.490421			
DDW	Municipal	CA4110011_002_002	Iron	<	100	UG/L	100	6/9/1992	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	0	UG/L	100	3/14/2005	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	0	UG/L	100	7/2/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	0	UG/L	100	7/9/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	0	UG/L	100	7/25/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	0	UG/L	100	7/31/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	0	UG/L	100	8/7/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	0	UG/L	100	8/20/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	0	UG/L	100	8/27/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	0	UG/L	100	9/5/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	0	UG/L	100	9/11/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	0	UG/L	100	9/17/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	0	UG/L	100	9/24/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	0	UG/L	100	10/2/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	0	UG/L	100	10/9/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	0	UG/L	100	10/29/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	0	UG/L	100	5/12/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	0	UG/L	100	5/19/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	0	UG/L	100	5/28/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	0	UG/L	100	6/2/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	0	UG/L	100	6/9/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	0	UG/L	100	6/19/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	0	UG/L	100	6/25/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	0	UG/L	100	6/30/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	0	UG/L	100	7/10/2008	37.510894	-122.487776			

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
DDW	Municipal	CA4110011_002_002	Iron	<	0	UG/L	100	7/17/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	0	UG/L	100	7/23/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	0	UG/L	100	7/28/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	0	UG/L	100	8/4/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	100	UG/L	100	6/12/2013	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	100	UG/L	100	4/17/2019	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	<	30	UG/L	30	4/13/2022	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	=	180	UG/L	100	9/7/1989	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	=	130	UG/L	100	12/12/1989	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	=	58	UG/L	100	6/19/1990	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	=	9700	UG/L	100	7/13/1998	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	=	950	UG/L	100	5/22/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	=	1450	UG/L	100	5/29/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	=	150	UG/L	100	6/26/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	=	790	UG/L	100	7/16/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	=	816	UG/L	100	8/15/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	=	2130	UG/L	100	10/22/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	=	233	UG/L	100	11/5/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	=	1386	UG/L	100	11/16/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	=	460	UG/L	100	11/19/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	=	258	UG/L	100	12/3/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	=	133	UG/L	100	3/27/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	=	114	UG/L	100	4/2/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	=	133	UG/L	100	4/10/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	=	766	UG/L	100	4/16/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	=	194	UG/L	100	4/21/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	=	1130	UG/L	100	5/5/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	=	13500	UG/L	100	1/28/2009	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	=	330	UG/L	100	3/25/2015	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Iron	=	10000	UG/L	30	3/9/2022	37.510894	-122.487776			
DDW	Municipal	CA4110010_031_031	Iron	=	6200	UG/L	100	6/27/1997	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	3500	UG/L	100	12/8/2003	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	3500	UG/L	100	12/21/2006	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	3600	UG/L	100	12/30/2008	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	2700	UG/L	100	10/22/2009	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	2700	UG/L	100	7/19/2012	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	2800	UG/L	100	10/15/2012	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	3400	UG/L	100	4/15/2013	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	3000	UG/L	100	7/22/2013	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	3000	UG/L	100	10/21/2013	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	3400	UG/L	100	1/20/2014	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	3000	UG/L	100	4/21/2014	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	2800	UG/L	100	10/20/2014	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	2600	UG/L	100	1/19/2015	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	2600	UG/L	100	4/20/2015	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	2700	UG/L	100	7/20/2015	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	2600	UG/L	100	10/19/2015	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	2700	UG/L	100	1/18/2016	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	2700	UG/L	100	5/18/2016	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	2800	UG/L	100	9/15/2016	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	2700	UG/L	100	12/1/2016	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	2800	UG/L	100	1/25/2017	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	2800	UG/L	100	4/13/2017	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	2900	UG/L	100	8/10/2017	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	2800	UG/L	100	11/9/2017	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	2800	UG/L	100	2/7/2018	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	2800	UG/L	100	5/1/2018	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	1700	UG/L	100	7/26/2018	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	2800	UG/L	100	11/15/2018	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Iron	=	2800	UG/L	30	11/10/2021	37.509103	-122.499379			
DDW	Municipal	CA4110010_027_027	Iron	<	0	UG/L	100	9/24/2007	37.550158	-122.496742			
DDW	Municipal	CA4110010_027_027	Iron	<	0	UG/L	100	10/1/2007	37.550158	-122.496742			
DDW	Municipal	CA4110010_027_027	Iron	<	0	UG/L	100	8/18/2010	37.550158	-122.496742			
DDW	Municipal	CA4110010_027_027	Iron	<	100	UG/L	100	8/29/2013	37.550158	-122.496742			
DDW	Municipal	CA4110010_027_027	Iron	<	100	UG/L	100	8/24/2016	37.550158	-122.496742			
DDW	Municipal	CA4110010_027_027	Iron	<	100	UG/L	100	8/5/2019	37.550158	-122.496742			
DDW	Municipal	CA4110010_027_027	Iron	<	30	UG/L	30	9/12/2022	37.550158	-122.496742			

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
DDW	Municipal	CA4110010_027_027	Iron	=	320	UG/L	100	8/2/2007	37.550158	-122.496742			
DDW	Municipal	CA4110015_001_001	Iron	=	8500	UG/L	100	4/8/1986	37.415833	-122.313889			
DDW	Municipal	CA4110015_001_001	Iron	=	5600	UG/L	100	12/18/1993	37.415833	-122.313889			
DDW	Municipal	CA4100533_008_008	Iron	<	0	UG/L	100	12/1/2010	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Iron	<	100	UG/L	100	10/31/2016	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Iron	<	100	UG/L	100	10/3/2019	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Iron	=	130	UG/L	100	12/4/2007	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Iron	=	130	UG/L	100	12/12/2013	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Iron	=	115	UG/L	30	10/20/2022	37.37686	-122.2572			
DDW	Municipal	CA4110010_001_001	Iron	<	0	UG/L	100	8/25/1999	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Iron	<	0	UG/L	100	9/24/2002	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Iron	<	0	UG/L	100	9/17/2003	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Iron	<	0	UG/L	100	9/20/2006	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Iron	<	0	UG/L	100	8/25/2009	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Iron	<	100	UG/L	100	7/23/2018	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Iron	=	210	UG/L	100	3/23/1993	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Iron	=	200	UG/L	100	12/19/1996	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Iron	=	120	UG/L	100	8/14/2012	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Iron	=	2500	UG/L	100	8/17/2015	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Iron	=	700	UG/L	30	8/10/2021	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_014_014	Iron	<	100	UG/L	100	5/8/1984	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	Iron	<	100	UG/L	100	3/10/1987	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	Iron	<	100	UG/L	100	9/28/1993	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	Iron	<	0	UG/L	100	12/19/1996	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	Iron	<	0	UG/L	100	12/1/1999	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	Iron	<	0	UG/L	100	12/5/2002	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	Iron	<	0	UG/L	100	3/5/2008	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	Iron	<	0	UG/L	100	8/25/2009	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	Iron	<	100	UG/L	100	8/21/2012	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	Iron	<	100	UG/L	100	8/10/2015	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	Iron	<	100	UG/L	100	7/23/2018	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	Iron	<	30	UG/L	30	8/10/2021	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	Iron	=	780	UG/L	100	9/17/2003	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	Iron	=	740	UG/L	100	9/21/2006	37.543528	-122.496403		0	72
DDW	Municipal	CA4110011_020_020	Iron	<	0	UG/L	100	7/13/1998	37.508027	-122.386438			
DDW	Municipal	CA4110011_020_020	Iron	<	0	UG/L	100	12/13/2006	37.508027	-122.386438			
DDW	Municipal	CA4110011_020_020	Iron	<	100	UG/L	100	3/5/2012	37.508027	-122.386438			
DDW	Municipal	CA4110011_020_020	Iron	<	100	UG/L	100	3/14/2018	37.508027	-122.386438			
DDW	Municipal	CA4110011_020_020	Iron	<	30	UG/L	30	3/25/2021	37.508027	-122.386438			
DDW	Municipal	CA4110015_002_002	Iron	<	100	UG/L	100	10/16/1985	37.3875	-122.263889			
DDW	Municipal	CA4110015_002_002	Iron	<	10	UG/L	100	12/6/1988	37.3875	-122.263889			
DDW	Municipal	CA4110015_002_002	Iron	=	120	UG/L	100	12/16/1992	37.3875	-122.263889			
DDW	Municipal	CA4110015_002_002	Iron	=	1500	UG/L	100	4/9/2007	37.3875	-122.263889			
DDW	Municipal	CA4110011_012_012	Iron	<	100	UG/L	100	12/11/1992	37.505472	-122.384058			
DDW	Municipal	CA4110011_012_012	Iron	<	100	UG/L	100	2/26/2020	37.505472	-122.384058			
DDW	Municipal	CA4110011_012_012	Iron	<	30	UG/L	30	2/28/2023	37.505472	-122.384058			
DDW	Municipal	CA4110011_012_012	Iron	=	140	UG/L	100	9/7/1989	37.505472	-122.384058			
DDW	Municipal	CA4110011_012_012	Iron	=	88	UG/L	100	12/12/1989	37.505472	-122.384058			
DDW	Municipal	CA4110011_012_012	Iron	=	42	UG/L	100	3/6/1990	37.505472	-122.384058			
DDW	Municipal	CA4110011_012_012	Iron	=	270	UG/L	100	2/22/1996	37.505472	-122.384058			
DDW	Municipal	CA4110011_012_012	Iron	=	100	UG/L	100	7/13/1998	37.505472	-122.384058			
DDW	Municipal	CA4110011_012_012	Iron	=	6600	UG/L	100	10/22/2008	37.505472	-122.384058			
DDW	Municipal	CA4110011_012_012	Iron	=	160	UG/L	100	2/18/2014	37.505472	-122.384058			
DDW	Municipal	CA4110010_009_009	Iron	<	0	UG/L	100	5/14/1998	37.538056	-122.493889			
DDW	Municipal	CA4110010_009_009	Iron	=	700	UG/L	100	5/12/1992	37.538056	-122.493889			
DDW	Municipal	CA4110010_009_009	Iron	=	5900	UG/L	100	3/28/1995	37.538056	-122.493889			
DDW	Municipal	CA4110010_009_009	Iron	=	3700	UG/L	100	3/11/1998	37.538056	-122.493889			
DDW	Municipal	CA4110010_011_011	Iron	<	100	UG/L	100	4/25/1986	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	Iron	<	100	UG/L	100	5/12/1992	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	Iron	<	0	UG/L	100	3/11/1998	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	Iron	<	0	UG/L	100	3/15/2001	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	Iron	<	0	UG/L	100	12/5/2002	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	Iron	<	0	UG/L	100	9/17/2003	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	Iron	<	0	UG/L	100	8/25/2009	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	Iron	<	0	UG/L	100	12/1/2009	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	Iron	<	100	UG/L	100	8/21/2012	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	Iron	=	170	UG/L	100	3/28/1995	37.538725	-122.495938		0	200

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
DDW	Municipal	CA4110010_011_011	Iron	=	210	UG/L	100	9/21/2006	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	Iron	=	290	UG/L	100	1/28/2016	37.538725	-122.495938		0	200
DDW	Municipal	CA4110011_013_013	Iron	=	40	UG/L	100	9/7/1989	37.505556	-122.383333			
DDW	Municipal	CA4110011_013_013	Iron	=	530	UG/L	100	12/12/1989	37.505556	-122.383333			
DDW	Municipal	CA4110011_013_013	Iron	=	200	UG/L	100	3/6/1990	37.505556	-122.383333			
DDW	Municipal	CA4110011_013_013	Iron	=	460	UG/L	100	12/11/1992	37.505556	-122.383333			
DDW	Municipal	CA4110011_013_013	Iron	=	1300	UG/L	100	7/13/1998	37.505556	-122.383333			
DDW	Municipal	CA4110011_013_013	Iron	=	29000	UG/L	100	11/16/2009	37.505556	-122.383333			
DDW	Municipal	CA4110011_013_013	Iron	=	8900	UG/L	100	12/16/2015	37.505556	-122.383333			
DDW	Municipal	CA4110010_012_012	Iron	<	100	UG/L	100	3/10/1987	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Iron	<	100	UG/L	100	9/28/1993	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Iron	<	0	UG/L	100	12/19/1996	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Iron	<	0	UG/L	100	12/1/1999	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Iron	<	0	UG/L	100	12/5/2002	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Iron	<	0	UG/L	100	9/17/2003	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Iron	<	0	UG/L	100	9/20/2006	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Iron	<	0	UG/L	100	8/25/2009	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Iron	<	100	UG/L	100	8/14/2012	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Iron	=	110	UG/L	100	5/8/1984	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Iron	=	190	UG/L	100	8/17/2015	37.513503	-122.493874		0	66
DDW	Municipal	CA4110011_016_016	Iron	<	100	UG/L	100	12/11/1992	37.508761	-122.385663			
DDW	Municipal	CA4110011_016_016	Iron	<	0	UG/L	100	7/13/1998	37.508761	-122.385663			
DDW	Municipal	CA4110011_016_016	Iron	<	100	UG/L	100	3/7/2017	37.508761	-122.385663			
DDW	Municipal	CA4110011_016_016	Iron	<	30	UG/L	30	3/25/2021	37.508761	-122.385663			
DDW	Municipal	CA4110011_016_016	Iron	=	17	UG/L	100	10/17/1989	37.508761	-122.385663			
DDW	Municipal	CA4110011_016_016	Iron	=	430	UG/L	100	12/12/1989	37.508761	-122.385663			
DDW	Municipal	CA4110011_016_016	Iron	=	76	UG/L	100	3/6/1990	37.508761	-122.385663			
DDW	Municipal	CA4110011_016_016	Iron	=	480	UG/L	100	12/13/2005	37.508761	-122.385663			
DDW	Municipal	CA4110011_016_016	Iron	=	440	UG/L	100	3/8/2011	37.508761	-122.385663			
DDW	Municipal	CA4110010_003_003	Iron	<	100	UG/L	100	3/10/1987	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	Iron	<	100	UG/L	100	9/28/1993	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	Iron	<	0	UG/L	100	12/1/1999	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	Iron	<	0	UG/L	100	12/5/2002	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	Iron	<	0	UG/L	100	9/17/2003	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	Iron	<	0	UG/L	100	9/21/2006	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	Iron	<	0	UG/L	100	8/25/2009	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	Iron	<	100	UG/L	100	8/21/2012	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	Iron	<	100	UG/L	100	8/10/2015	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	Iron	<	100	UG/L	100	7/23/2018	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	Iron	=	160	UG/L	100	5/8/1984	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	Iron	=	530	UG/L	100	12/19/1996	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	Iron	=	76	UG/L	30	8/10/2021	37.543429	-122.498185		0	215
WB_CLEANUP	Monitoring	L10001461904-MW-7	Iron	<	30	UG/L	50	4/26/2023	37.4996493	-122.4069069			
WB_CLEANUP	Monitoring	L10001461904-MW-7	Iron	=	50	UG/L	50	7/19/2011	37.4996493	-122.4069069			
WB_CLEANUP	Monitoring	L10001461904-MW-7	Iron	=	81	UG/L	50	4/12/2021	37.4996493	-122.4069069			
WB_CLEANUP	Monitoring	L10001461904-MW-7	Iron	ND	0	UG/L	50	4/23/2019	37.4996493	-122.4069069			
WB_CLEANUP	Monitoring	L10001461904-MW-7	Iron	ND	0	UG/L	50	4/13/2020	37.4996493	-122.4069069			
WB_CLEANUP	Monitoring	L10001461904-MW-7	Iron	ND	0	UG/L	50	4/12/2021	37.4996493	-122.4069069			
WB_CLEANUP	Monitoring	L10001461904-MW-7	Iron	ND	0	UG/L	50	11/1/2021	37.4996493	-122.4069069			
WB_CLEANUP	Monitoring	L10001461904-MW-7	Iron	ND	0	UG/L	50	4/20/2022	37.4996493	-122.4069069			
WB_CLEANUP	Monitoring	T0608100473-S-2	Iron	=	17000	UG/L	200	4/16/2003	37.467783	-122.4293381			
WB_CLEANUP	Monitoring	T0608100473-S-2	Iron	=	17000	UG/L	200	1/21/2004	37.467783	-122.4293381			
WB_CLEANUP	Monitoring	T0608100473-S-2	Iron	=	16000	UG/L	200	4/14/2004	37.467783	-122.4293381			
WB_CLEANUP	Monitoring	T0608100473-S-2	Iron	=	13000	UG/L	200	7/15/2004	37.467783	-122.4293381			
WB_CLEANUP	Monitoring	T0608100473-S-2	Iron	=	8600	UG/L	200	10/14/2004	37.467783	-122.4293381			
WB_CLEANUP	Monitoring	T0608100473-S-2	Iron	=	19000	UG/L	200	7/11/2005	37.467783	-122.4293381			
WB_CLEANUP	Monitoring	T0608100473-S-2	Iron	=	11000	UG/L	100	10/4/2006	37.467783	-122.4293381			
WB_CLEANUP	Monitoring	L10001461904-MW-11B	Iron	<	30	UG/L	50	4/26/2023	37.4953947	-122.4128526			
WB_CLEANUP	Monitoring	L10001461904-MW-11B	Iron	=	13	UG/L	50	7/18/2011	37.4953947	-122.4128526			
WB_CLEANUP	Monitoring	L10001461904-MW-11B	Iron	=	38	UG/L	50	4/23/2019	37.4953947	-122.4128526			
WB_CLEANUP	Monitoring	L10001461904-MW-11B	Iron	=	64	UG/L	50	4/13/2020	37.4953947	-122.4128526			
WB_CLEANUP	Monitoring	L10001461904-MW-11B	Iron	=	570	UG/L	50	4/13/2021	37.4953947	-122.4128526			
WB_CLEANUP	Monitoring	L10001461904-MW-11B	Iron	ND	0	UG/L	50	4/13/2021	37.4953947	-122.4128526			
WB_CLEANUP	Monitoring	L10001461904-MW-11B	Iron	ND	0	UG/L	50	11/4/2021	37.4953947	-122.4128526			
WB_CLEANUP	Monitoring	L10001461904-MW-11B	Iron	ND	0	UG/L	50	4/20/2022	37.4953947	-122.4128526			
WB_CLEANUP	Monitoring	L10001461904-MW-6F	Iron	=	45	UG/L	50	4/13/2020	37.4951711	-122.4120385			
WB_CLEANUP	Monitoring	L10001461904-MW-6F	Iron	ND	0	UG/L	50	7/18/2011	37.4951711	-122.4120385			

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
WB_CLEANUP	Monitoring	L10001461904-MW-6F	Iron	ND	0	UG/L	50	4/23/2019	37.4951711	-122.4120385			
WB_CLEANUP	Monitoring	L10001461904-MW-6F	Iron	ND	0	UG/L	50	4/12/2021	37.4951711	-122.4120385			
WB_CLEANUP	Monitoring	L10001461904-MW-6F	Iron	ND	0	UG/L	50	4/12/2021	37.4951711	-122.4120385			
WB_CLEANUP	Monitoring	L10001461904-MW-6F	Iron	ND	0	UG/L	50	11/3/2021	37.4951711	-122.4120385			
WB_CLEANUP	Monitoring	L10001461904-MW-6F	Iron	ND	0	UG/L	50	4/20/2022	37.4951711	-122.4120385			
WB_CLEANUP	Monitoring	T0608100993-MW-3	Iron	ND	0	UG/L	1000	8/28/2012	37.50450761	-122.4772264	49.55		
WB_CLEANUP	Monitoring	L10001461904-MW-6E	Iron	=	20	UG/L	50	7/18/2011	37.4951788	-122.4120714			
WB_CLEANUP	Monitoring	L10001461904-MW-6E	Iron	=	48	UG/L	50	4/23/2019	37.4951788	-122.4120714			
WB_CLEANUP	Monitoring	L10001461904-MW-6E	Iron	=	130	UG/L	50	4/13/2020	37.4951788	-122.4120714			
WB_CLEANUP	Monitoring	L10001461904-MW-6E	Iron	=	180	UG/L	50	4/12/2021	37.4951788	-122.4120714			
WB_CLEANUP	Monitoring	L10001461904-MW-6E	Iron	=	72	UG/L	50	4/12/2021	37.4951788	-122.4120714			
WB_CLEANUP	Monitoring	L10001461904-MW-6E	Iron	=	32	UG/L	50	11/3/2021	37.4951788	-122.4120714			
WB_CLEANUP	Monitoring	L10001461904-MW-6E	Iron	=	66	UG/L	50	4/20/2022	37.4951788	-122.4120714			
WB_CLEANUP	Monitoring	L10001461904-MW-6D	Iron	=	190	UG/L	50	7/18/2011	37.4951878	-122.4121077			
WB_CLEANUP	Monitoring	L10001461904-MW-6D	Iron	=	85	UG/L	50	4/23/2019	37.4951878	-122.4121077			
WB_CLEANUP	Monitoring	L10001461904-MW-6D	Iron	=	170	UG/L	50	4/13/2020	37.4951878	-122.4121077			
WB_CLEANUP	Monitoring	L10001461904-MW-6D	Iron	=	140	UG/L	50	4/12/2021	37.4951878	-122.4121077			
WB_CLEANUP	Monitoring	L10001461904-MW-6D	Iron	=	190	UG/L	50	4/12/2021	37.4951878	-122.4121077			
WB_CLEANUP	Monitoring	L10001461904-MW-6D	Iron	=	44	UG/L	50	11/4/2021	37.4951878	-122.4121077			
WB_CLEANUP	Monitoring	L10001461904-MW-6D	Iron	=	31	UG/L	50	4/20/2022	37.4951878	-122.4121077			
WB_CLEANUP	Monitoring	L10001461904-MW-6D	Iron	=	86	UG/L	50	4/26/2023	37.4951878	-122.4121077			
WB_CLEANUP	Monitoring	T0608192710-MW-2	Iron	=	12000	UG/L	30	1/22/2009	37.5417039	-122.5161284		15	20
WB_CLEANUP	Monitoring	L10001461904-MW-13A	Iron	=	4300	UG/L	50	7/19/2011	37.4910292	-122.4109947			
WB_CLEANUP	Monitoring	L10001461904-MW-13A	Iron	=	820	UG/L	50	4/13/2021	37.4910292	-122.4109947			
WB_CLEANUP	Monitoring	L10001461904-MW-13A	Iron	=	140	UG/L	50	4/21/2022	37.4910292	-122.4109947			
WB_CLEANUP	Monitoring	L10001461904-MW-13A	Iron	ND	0	UG/L	50	4/23/2019	37.4910292	-122.4109947			
WB_CLEANUP	Monitoring	L10001461904-MW-13A	Iron	ND	0	UG/L	50	4/14/2020	37.4910292	-122.4109947			
WB_CLEANUP	Monitoring	L10001461904-MW-13A	Iron	ND	0	UG/L	50	4/13/2021	37.4910292	-122.4109947			
WB_CLEANUP	Monitoring	L10001461904-MW-13A	Iron	ND	0	UG/L	50	11/2/2021	37.4910292	-122.4109947			
WB_CLEANUP	Monitoring	T0608100473-S-7	Iron	=	2800	UG/L	200	4/16/2003	37.467851	-122.4294987			
WB_CLEANUP	Monitoring	T0608100473-S-7	Iron	=	16000	UG/L	200	1/21/2004	37.467851	-122.4294987			
WB_CLEANUP	Monitoring	T0608100473-S-7	Iron	=	6400	UG/L	200	4/14/2004	37.467851	-122.4294987			
WB_CLEANUP	Monitoring	T0608100473-S-7	Iron	=	10000	UG/L	200	7/15/2004	37.467851	-122.4294987			
WB_CLEANUP	Monitoring	T0608100473-S-7	Iron	=	14000	UG/L	200	10/14/2004	37.467851	-122.4294987			
WB_CLEANUP	Monitoring	T0608100473-S-7	Iron	=	4400	UG/L	200	7/11/2005	37.467851	-122.4294987			
WB_CLEANUP	Monitoring	L10001461904-MW-13C	Iron	=	1300	UG/L	50	7/19/2011	37.4910272	-122.4110443			
WB_CLEANUP	Monitoring	L10001461904-MW-13C	Iron	=	41	UG/L	50	4/13/2020	37.4910272	-122.4110443			
WB_CLEANUP	Monitoring	L10001461904-MW-13C	Iron	=	83	UG/L	50	4/12/2021	37.4910272	-122.4110443			
WB_CLEANUP	Monitoring	L10001461904-MW-13C	Iron	=	390	UG/L	50	4/12/2021	37.4910272	-122.4110443			
WB_CLEANUP	Monitoring	L10001461904-MW-13C	Iron	=	66	UG/L	50	4/21/2022	37.4910272	-122.4110443			
WB_CLEANUP	Monitoring	L10001461904-MW-13C	Iron	ND	0	UG/L	50	4/23/2019	37.4910272	-122.4110443			
WB_CLEANUP	Monitoring	L10001461904-MW-13C	Iron	ND	0	UG/L	50	11/1/2021	37.4910272	-122.4110443			
WB_CLEANUP	Monitoring	L10001461904-MW-8	Iron	<	30	UG/L	50	4/26/2023	37.5054083	-122.4056594			
WB_CLEANUP	Monitoring	L10001461904-MW-8	Iron	=	62	UG/L	50	7/19/2011	37.5054083	-122.4056594			
WB_CLEANUP	Monitoring	L10001461904-MW-8	Iron	=	93	UG/L	50	11/16/2022	37.5054083	-122.4056594			
WB_CLEANUP	Monitoring	L10001461904-MW-8	Iron	ND	0	UG/L	50	4/23/2019	37.5054083	-122.4056594			
WB_CLEANUP	Monitoring	L10001461904-MW-8	Iron	ND	0	UG/L	50	4/13/2020	37.5054083	-122.4056594			
WB_CLEANUP	Monitoring	L10001461904-MW-8	Iron	ND	0	UG/L	50	4/20/2022	37.5054083	-122.4056594			
WB_CLEANUP	Monitoring	T0608100993-MW-6	Iron	=	17000	UG/L	1000	8/28/2012	37.50458323	-122.4767827			
WB_CLEANUP	Monitoring	T0608100473-S-1	Iron	=	300	UG/L	200	4/16/2003	37.4677978	-122.4298113			
WB_CLEANUP	Monitoring	T0608100473-S-1	Iron	=	1300	UG/L	200	1/21/2004	37.4677978	-122.4298113			
WB_CLEANUP	Monitoring	T0608100473-S-1	Iron	=	6200	UG/L	200	4/14/2004	37.4677978	-122.4298113			
WB_CLEANUP	Monitoring	T0608100473-S-1	Iron	=	6100	UG/L	200	7/15/2004	37.4677978	-122.4298113			
WB_CLEANUP	Monitoring	T0608100473-S-1	Iron	=	4100	UG/L	200	10/14/2004	37.4677978	-122.4298113			
WB_CLEANUP	Monitoring	T0608100473-S-1	Iron	=	2100	UG/L	200	7/11/2005	37.4677978	-122.4298113			
WB_CLEANUP	Monitoring	T0608192710-MW-1	Iron	=	320	UG/L	30	1/22/2009	37.5418364	-122.5160569		15	20
WB_CLEANUP	Monitoring	L10001461904-G-4C	Iron	=	21	UG/L	50	7/18/2011	37.510975	-122.4045482			
WB_CLEANUP	Monitoring	L10001461904-MW-12	Iron	=	87000	UG/L	50	7/18/2011	37.4950553	-122.4114203			
WB_CLEANUP	Monitoring	L10001461904-MW-12	Iron	=	6500	UG/L	50	4/23/2019	37.4950553	-122.4114203			
WB_CLEANUP	Monitoring	L10001461904-MW-12	Iron	=	4200	UG/L	50	4/14/2020	37.4950553	-122.4114203			
WB_CLEANUP	Monitoring	L10001461904-MW-12	Iron	=	3800	UG/L	50	4/12/2021	37.4950553	-122.4114203			
WB_CLEANUP	Monitoring	L10001461904-MW-12	Iron	=	1300	UG/L	50	4/12/2021	37.4950553	-122.4114203			
WB_CLEANUP	Monitoring	L10001461904-MW-12	Iron	=	39	UG/L	50	11/3/2021	37.4950553	-122.4114203			
WB_CLEANUP	Monitoring	L10001461904-MW-12	Iron	=	1200	UG/L	50	4/20/2022	37.4950553	-122.4114203			
WB_CLEANUP	Monitoring	L10001461904-MW-6C	Iron	=	130	UG/L	50	7/18/2011	37.4951954	-122.4121445			
WB_CLEANUP	Monitoring	L10001461904-MW-6C	Iron	=	66	UG/L	50	4/23/2019	37.4951954	-122.4121445			
WB_CLEANUP	Monitoring	L10001461904-MW-6C	Iron	=	220	UG/L	50	4/13/2020	37.4951954	-122.4121445			

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
WB_CLEANUP	Monitoring	L10001461904-MW-6C	Iron	=	650	UG/L	50	4/13/2021	37.4951954	-122.4121445			
WB_CLEANUP	Monitoring	L10001461904-MW-6C	Iron	=	290	UG/L	50	4/13/2021	37.4951954	-122.4121445			
WB_CLEANUP	Monitoring	L10001461904-MW-6C	Iron	=	570	UG/L	50	4/13/2021	37.4951954	-122.4121445			
WB_CLEANUP	Monitoring	L10001461904-MW-6C	Iron	=	270	UG/L	50	4/13/2021	37.4951954	-122.4121445			
WB_CLEANUP	Monitoring	L10001461904-MW-6C	Iron	=	120	UG/L	50	11/3/2021	37.4951954	-122.4121445			
WB_CLEANUP	Monitoring	L10001461904-MW-6C	Iron	=	59	UG/L	50	4/20/2022	37.4951954	-122.4121445			
WB_CLEANUP	Monitoring	L10001461904-MW-6C	Iron	=	190	UG/L	50	4/26/2023	37.4951954	-122.4121445			
WB_CLEANUP	Monitoring	T0608100473-S-4	Iron	=	6100	UG/L	200	1/21/2004	37.4677254	-122.4296433			
WB_CLEANUP	Monitoring	T0608100473-S-4	Iron	=	270	UG/L	200	4/14/2004	37.4677254	-122.4296433			
WB_CLEANUP	Monitoring	T0608100473-S-4	Iron	=	18000	UG/L	200	7/15/2004	37.4677254	-122.4296433			
WB_CLEANUP	Monitoring	T0608100473-S-4	Iron	=	3100	UG/L	200	10/14/2004	37.4677254	-122.4296433			
WB_CLEANUP	Monitoring	T0608100473-S-4	Iron	=	14000	UG/L	200	7/11/2005	37.4677254	-122.4296433			
WB_CLEANUP	Monitoring	T0608100473-S-4	Iron	=	30000	UG/L	100	10/4/2006	37.4677254	-122.4296433			
WB_CLEANUP	Monitoring	T0608100473-S-4	Iron	ND	0	UG/L	200	4/16/2003	37.4677254	-122.4296433			
WB_CLEANUP	Monitoring	T0608100993-MW-4	Iron	ND	0	UG/L	1000	8/28/2012	37.5045289	-122.4767421	50.7		
WB_CLEANUP	Monitoring	L10001461904-MW-11A	Iron	=	130	UG/L	50	7/19/2011	37.4953143	-122.4126177			
WB_CLEANUP	Monitoring	L10001461904-MW-11A	Iron	=	770	UG/L	50	4/23/2019	37.4953143	-122.4126177			
WB_CLEANUP	Monitoring	L10001461904-MW-11A	Iron	=	1500	UG/L	50	4/14/2020	37.4953143	-122.4126177			
WB_CLEANUP	Monitoring	L10001461904-MW-11A	Iron	=	950	UG/L	50	4/13/2021	37.4953143	-122.4126177			
WB_CLEANUP	Monitoring	L10001461904-MW-11A	Iron	=	700	UG/L	50	4/13/2021	37.4953143	-122.4126177			
WB_CLEANUP	Monitoring	L10001461904-MW-11A	Iron	=	370	UG/L	50	4/26/2023	37.4953143	-122.4126177			
WB_CLEANUP	Monitoring	L10001461904-MW-6A	Iron	=	53000	UG/L	50	7/18/2011	37.4952136	-122.4122196			
WB_CLEANUP	Monitoring	L10001461904-MW-6A	Iron	=	52000	UG/L	50	7/18/2011	37.4952136	-122.4122196			
WB_CLEANUP	Monitoring	L10001461904-MW-6A	Iron	=	8700	UG/L	50	4/23/2019	37.4952136	-122.4122196			
WB_CLEANUP	Monitoring	L10001461904-MW-6A	Iron	=	23000	UG/L	50	4/13/2020	37.4952136	-122.4122196			
WB_CLEANUP	Monitoring	L10001461904-MW-6A	Iron	=	23000	UG/L	50	4/13/2021	37.4952136	-122.4122196			
WB_CLEANUP	Monitoring	L10001461904-MW-6A	Iron	=	18000	UG/L	50	4/13/2021	37.4952136	-122.4122196			
WB_CLEANUP	Monitoring	L10001461904-MW-6A	Iron	=	4000	UG/L	50	11/4/2021	37.4952136	-122.4122196			
WB_CLEANUP	Monitoring	L10001461904-MW-6A	Iron	=	9500	UG/L	50	4/20/2022	37.4952136	-122.4122196			
WB_CLEANUP	Monitoring	L10001461904-MW-9	Iron	<	30	UG/L	50	4/26/2023	37.5069739	-122.4088968			
WB_CLEANUP	Monitoring	L10001461904-MW-9	Iron	=	830	UG/L	50	4/13/2021	37.5069739	-122.4088968			
WB_CLEANUP	Monitoring	L10001461904-MW-9	Iron	ND	0	UG/L	50	7/19/2011	37.5069739	-122.4088968			
WB_CLEANUP	Monitoring	L10001461904-MW-9	Iron	ND	0	UG/L	50	4/23/2019	37.5069739	-122.4088968			
WB_CLEANUP	Monitoring	L10001461904-MW-9	Iron	ND	0	UG/L	50	4/14/2020	37.5069739	-122.4088968			
WB_CLEANUP	Monitoring	L10001461904-MW-9	Iron	ND	0	UG/L	50	4/13/2021	37.5069739	-122.4088968			
WB_CLEANUP	Monitoring	L10001461904-MW-9	Iron	ND	0	UG/L	50	11/2/2021	37.5069739	-122.4088968			
WB_CLEANUP	Monitoring	L10001461904-MW-9	Iron	ND	0	UG/L	50	4/21/2022	37.5069739	-122.4088968			
WB_CLEANUP	Monitoring	T0608100473-S-6	Iron	=	920	UG/L	100	10/4/2006	37.4673024	-122.4297518			
WB_CLEANUP	Monitoring	T0608100473-S-6	Iron	ND	0	UG/L	200	4/16/2003	37.4673024	-122.4297518			
WB_CLEANUP	Monitoring	T0608100473-S-6	Iron	ND	0	UG/L	200	1/21/2004	37.4673024	-122.4297518			
WB_CLEANUP	Monitoring	T0608100473-S-6	Iron	ND	0	UG/L	200	4/14/2004	37.4673024	-122.4297518			
WB_CLEANUP	Monitoring	T0608100473-S-6	Iron	ND	0	UG/L	200	7/15/2004	37.4673024	-122.4297518			
WB_CLEANUP	Monitoring	T0608100473-S-6	Iron	ND	0	UG/L	200	10/14/2004	37.4673024	-122.4297518			
WB_CLEANUP	Monitoring	T0608100473-S-6	Iron	ND	0	UG/L	200	7/11/2005	37.4673024	-122.4297518			
WB_CLEANUP	Monitoring	T0608100993-MW-2	Iron	ND	0	UG/L	1000	8/28/2012	37.504268	-122.4769282	47.65		
WB_CLEANUP	Monitoring	T0608192710-MW-3	Iron	=	7	UG/L	30	1/22/2009	37.5417705	-122.5163208		20	15
WB_CLEANUP	Monitoring	T0608100473-S-3	Iron	=	370	UG/L	200	4/16/2003	37.46762	-122.4297237			
WB_CLEANUP	Monitoring	T0608100473-S-3	Iron	=	1500	UG/L	200	1/21/2004	37.46762	-122.4297237			
WB_CLEANUP	Monitoring	T0608100473-S-3	Iron	=	2700	UG/L	200	4/14/2004	37.46762	-122.4297237			
WB_CLEANUP	Monitoring	T0608100473-S-3	Iron	=	32000	UG/L	200	7/15/2004	37.46762	-122.4297237			
WB_CLEANUP	Monitoring	T0608100473-S-3	Iron	=	2100	UG/L	200	10/14/2004	37.46762	-122.4297237			
WB_CLEANUP	Monitoring	T0608100473-S-3	Iron	=	1500	UG/L	200	7/11/2005	37.46762	-122.4297237			
WB_CLEANUP	Monitoring	L10001461904-MW-13B	Iron	=	9400	UG/L	50	7/19/2011	37.4910299	-122.411014			
WB_CLEANUP	Monitoring	L10001461904-MW-13B	Iron	=	4000	UG/L	50	4/12/2021	37.4910299	-122.411014			
WB_CLEANUP	Monitoring	L10001461904-MW-13B	Iron	=	46	UG/L	50	11/1/2021	37.4910299	-122.411014			
WB_CLEANUP	Monitoring	L10001461904-MW-13B	Iron	ND	0	UG/L	50	4/23/2019	37.4910299	-122.411014			
WB_CLEANUP	Monitoring	L10001461904-MW-13B	Iron	ND	0	UG/L	50	4/14/2020	37.4910299	-122.411014			
WB_CLEANUP	Monitoring	L10001461904-MW-13B	Iron	ND	0	UG/L	50	4/12/2021	37.4910299	-122.411014			
WB_CLEANUP	Monitoring	L10001461904-MW-13B	Iron	ND	0	UG/L	50	4/21/2022	37.4910299	-122.411014			
WB_CLEANUP	Monitoring	L10001461904-MW-10	Iron	<	30	UG/L	50	4/26/2023	37.5016988	-122.4149507			
WB_CLEANUP	Monitoring	L10001461904-MW-10	Iron	=	590	UG/L	50	7/19/2011	37.5016988	-122.4149507			
WB_CLEANUP	Monitoring	L10001461904-MW-10	Iron	=	230	UG/L	50	4/13/2020	37.5016988	-122.4149507			
WB_CLEANUP	Monitoring	L10001461904-MW-10	Iron	=	76	UG/L	50	4/12/2021	37.5016988	-122.4149507			
WB_CLEANUP	Monitoring	L10001461904-MW-10	Iron	=	410	UG/L	50	4/12/2021	37.5016988	-122.4149507			
WB_CLEANUP	Monitoring	L10001461904-MW-10	Iron	=	55	UG/L	50	11/1/2021	37.5016988	-122.4149507			
WB_CLEANUP	Monitoring	L10001461904-MW-10	Iron	=	30	UG/L	50	4/20/2022	37.5016988	-122.4149507			
WB_CLEANUP	Monitoring	L10001461904-MW-10	Iron	ND	0	UG/L	50	4/24/2019	37.5016988	-122.4149507			

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
WB_CLEANUP	Monitoring	L10001461904-MW-10	Iron	ND	0	UG/L	50	11/1/2021	37.5016988	-122.4149507			
WB_CLEANUP	Monitoring	L10001461904-MW-10	Iron	ND	0	UG/L	50	4/20/2022	37.5016988	-122.4149507			
WB_CLEANUP	Monitoring	L10001461904-MW-6B	Iron	=	1200	UG/L	50	7/18/2011	37.4952043	-122.412179			
WB_CLEANUP	Monitoring	L10001461904-MW-6B	Iron	=	590	UG/L	50	4/23/2019	37.4952043	-122.412179			
WB_CLEANUP	Monitoring	L10001461904-MW-6B	Iron	=	630	UG/L	50	4/23/2019	37.4952043	-122.412179			
WB_CLEANUP	Monitoring	L10001461904-MW-6B	Iron	=	31	UG/L	50	4/14/2020	37.4952043	-122.412179			
WB_CLEANUP	Monitoring	L10001461904-MW-6B	Iron	=	35	UG/L	50	4/14/2020	37.4952043	-122.412179			
WB_CLEANUP	Monitoring	L10001461904-MW-6B	Iron	=	2200	UG/L	50	4/12/2021	37.4952043	-122.412179			
WB_CLEANUP	Monitoring	L10001461904-MW-6B	Iron	=	1100	UG/L	50	4/20/2022	37.4952043	-122.412179			
WB_CLEANUP	Monitoring	L10001461904-MW-6B	Iron	ND	0	UG/L	50	4/12/2021	37.4952043	-122.412179			
WB_CLEANUP	Monitoring	L10001461904-MW-6B	Iron	ND	0	UG/L	50	11/4/2021	37.4952043	-122.412179			
GAMA_USGS	Municipal	HR-SC-01	Iron	<	3.2	UG/L	3.2	3/28/2011	37.55016708	-122.4967499	776	370	406
GAMA_USGS	Municipal	HR-SC-01	Iron	<	5	UG/L	5	8/18/2016	37.55016708	-122.4967499	776	370	406
GAMA_USGS	Municipal	HR-SC-01	Iron	<	5	UG/L	5	6/14/2021	37.55016708	-122.4967499	776	370	406
GAMA_USGS	Municipal	HR-SC-04	Iron	<	4.9	UG/L	3.2	3/30/2011	37.37680435	-122.2570038	300	60	220
GAMA_USGS	Domestic	HR-SC-07	Iron		276	UG/L	3.2	4/4/2011	37.37708282	-122.3954697	300	90	160
USGS_NWIS	Municipal	USGS-373300122290001	Iron	<	3.2	UG/L	3.2	3/28/2011	37.55016667	-122.49675	776		
USGS_NWIS	Municipal	USGS-373300122290001	Iron	<	5	UG/L	5	8/18/2016	37.55016667	-122.49675	776		
USGS_NWIS	Municipal	USGS-373300122290001	Iron	<	5	UG/L	5	6/14/2021	37.55016667	-122.49675	776		
USGS_NWIS	Domestic	USGS-372200122230001	Iron		276	UG/L	3.2	4/4/2011	37.37708333	-122.3954722	300		
USGS_NWIS	Municipal	USGS-372200122150001	Iron	<	4.9	UG/L	3.2	3/30/2011	37.37680556	-122.257	300		
USGS_NWIS	Municipal	USGS-373054122294101	Iron		20	UG/L	UNK	9/15/1981	37.51494067	-122.4958113			
DDW	Municipal	CA4110010_015_015	Manganese	<	0	UG/L	20	12/19/1996	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	<	0	UG/L	20	6/28/2000	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	<	0	UG/L	20	12/7/2000	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	<	0	UG/L	20	6/26/2001	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	<	0	UG/L	20	9/27/2001	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	<	0	UG/L	20	12/18/2001	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	<	0	UG/L	20	6/20/2002	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	<	0	UG/L	20	6/27/2002	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	<	0	UG/L	20	9/24/2002	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	<	0	UG/L	20	12/17/2002	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	<	0	UG/L	20	9/17/2003	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	<	0	UG/L	20	9/24/2003	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	<	0	UG/L	20	12/16/2003	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	<	20	UG/L	20	11/9/2015	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	<	20	UG/L	20	5/31/2016	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	30	UG/L	20	8/25/1999	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	20	UG/L	20	3/15/2001	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	30	UG/L	20	3/27/2002	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	20	UG/L	20	3/26/2003	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	39	UG/L	20	3/13/2006	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	310	UG/L	20	6/23/2006	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	38	UG/L	20	9/19/2006	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	31	UG/L	20	9/20/2006	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	43	UG/L	20	12/12/2006	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	60	UG/L	20	3/14/2007	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	46	UG/L	20	5/9/2007	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	30	UG/L	20	8/27/2007	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	34	UG/L	20	10/30/2007	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	71	UG/L	20	2/25/2008	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	140	UG/L	20	6/12/2008	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	45	UG/L	20	9/23/2008	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	68	UG/L	20	12/9/2008	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	64	UG/L	20	2/24/2009	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	89	UG/L	20	5/27/2009	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	50	UG/L	20	8/25/2009	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	38	UG/L	20	11/3/2009	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	47	UG/L	20	2/10/2010	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	43	UG/L	20	6/15/2010	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	48	UG/L	20	8/18/2010	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	56	UG/L	20	11/9/2010	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	47	UG/L	20	2/2/2011	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	49	UG/L	20	5/18/2011	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	51	UG/L	20	8/17/2011	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	39	UG/L	20	12/13/2011	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	49	UG/L	20	3/5/2012	37.514633	-122.495439		0	86

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
DDW	Municipal	CA4110010_015_015	Manganese	=	48	UG/L	20	5/21/2012	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	76	UG/L	20	8/21/2012	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	39	UG/L	20	12/4/2012	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	140	UG/L	20	2/14/2013	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	92	UG/L	20	5/22/2013	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	43	UG/L	20	8/29/2013	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	32	UG/L	20	12/11/2013	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	39	UG/L	20	3/24/2014	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	44	UG/L	20	5/12/2014	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	29	UG/L	20	8/27/2014	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	48	UG/L	20	12/8/2014	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	60	UG/L	20	3/3/2015	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	41	UG/L	20	5/19/2015	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	37	UG/L	20	8/17/2015	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	29	UG/L	20	3/14/2016	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	46	UG/L	20	8/24/2016	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	36	UG/L	20	11/7/2016	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	36	UG/L	20	1/18/2017	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	47	UG/L	20	4/11/2017	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	27	UG/L	20	7/20/2017	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	44	UG/L	20	11/8/2017	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	23	UG/L	20	1/31/2018	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	44	UG/L	20	4/26/2018	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	83	UG/L	20	7/23/2018	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	45	UG/L	20	11/13/2018	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_015_015	Manganese	=	40	UG/L	10	8/10/2021	37.514633	-122.495439		0	86
DDW	Municipal	CA4110010_032_032	Manganese	<	0	UG/L	20	5/17/2007	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	46	UG/L	20	6/27/1997	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	370	UG/L	20	3/5/2001	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	340	UG/L	20	12/8/2003	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	340	UG/L	20	12/21/2006	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	300	UG/L	20	12/30/2008	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	300	UG/L	20	10/22/2009	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	260	UG/L	20	7/19/2012	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	260	UG/L	20	10/15/2012	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	270	UG/L	20	2/18/2013	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	350	UG/L	20	4/15/2013	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	270	UG/L	20	7/22/2013	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	290	UG/L	20	10/21/2013	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	340	UG/L	20	1/20/2014	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	240	UG/L	20	4/21/2014	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	280	UG/L	20	10/20/2014	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	280	UG/L	20	1/19/2015	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	290	UG/L	20	4/20/2015	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	270	UG/L	20	7/20/2015	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	260	UG/L	20	10/19/2015	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	240	UG/L	20	1/18/2016	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	260	UG/L	20	5/18/2016	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	250	UG/L	20	9/15/2016	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	270	UG/L	20	12/1/2016	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	260	UG/L	20	1/25/2017	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	240	UG/L	20	4/13/2017	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	270	UG/L	20	8/10/2017	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	300	UG/L	20	11/9/2017	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	220	UG/L	20	2/7/2018	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	270	UG/L	20	5/1/2018	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	250	UG/L	20	7/26/2018	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	270	UG/L	20	11/15/2018	37.510634	-122.500468			
DDW	Municipal	CA4110010_032_032	Manganese	=	230	UG/L	10	11/10/2021	37.510634	-122.500468			
DDW	Municipal	CA4110010_008_008	Manganese	<	0	UG/L	20	9/22/1994	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	Manganese	<	0	UG/L	20	12/9/1997	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	Manganese	<	0	UG/L	20	12/7/2000	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	Manganese	<	0	UG/L	20	9/17/2003	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	Manganese	<	0	UG/L	20	12/15/2003	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	Manganese	<	0	UG/L	20	2/25/2008	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	Manganese	<	20	UG/L	20	2/2/2011	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	Manganese	<	20	UG/L	20	3/18/2014	37.538612	-122.494804		0	10

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
DDW	Municipal	CA4110010_008_008	Manganese	=	65	UG/L	20	8/27/1991	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	Manganese	=	350	UG/L	20	1/25/2017	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	Manganese	=	96	UG/L	20	2/12/2020	37.538612	-122.494804		0	10
DDW	Municipal	CA4110010_008_008	Manganese	=	39	UG/L	10	2/13/2023	37.538612	-122.494804		0	10
DDW	Municipal	CA4110011_004_004	Manganese	<	0	UG/L	20	3/27/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Manganese	=	28	UG/L	20	6/15/1989	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Manganese	=	180	UG/L	20	12/12/1989	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Manganese	=	350	UG/L	20	3/6/1990	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Manganese	=	670	UG/L	20	6/19/1990	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Manganese	=	52	UG/L	20	6/9/1992	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Manganese	=	230	UG/L	20	7/13/1998	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Manganese	=	115	UG/L	20	2/20/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Manganese	=	22	UG/L	20	4/2/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Manganese	=	31	UG/L	20	4/10/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Manganese	=	36	UG/L	20	4/16/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Manganese	=	32	UG/L	20	4/21/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Manganese	=	60	UG/L	20	5/5/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Manganese	=	71	UG/L	20	5/19/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Manganese	=	105	UG/L	20	5/28/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Manganese	=	111	UG/L	20	6/2/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Manganese	=	126	UG/L	20	6/9/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Manganese	=	147	UG/L	20	6/19/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Manganese	=	162	UG/L	20	6/25/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Manganese	=	162	UG/L	20	6/30/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Manganese	=	326	UG/L	20	7/10/2008	37.513	-122.489038			
DDW	Municipal	CA4110011_004_004	Manganese	=	355	UG/L	20	3/7/2012	37.513	-122.489038			
DDW	Municipal	CA4110010_030_030	Manganese	=	310	UG/L	20	6/27/1997	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	250	UG/L	20	12/8/2003	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	210	UG/L	20	12/21/2006	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	230	UG/L	20	12/30/2008	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	190	UG/L	20	10/22/2009	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	160	UG/L	20	7/19/2012	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	170	UG/L	20	10/15/2012	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	230	UG/L	20	4/15/2013	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	190	UG/L	20	7/22/2013	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	160	UG/L	20	10/21/2013	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	290	UG/L	20	1/20/2014	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	210	UG/L	20	4/21/2014	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	130	UG/L	20	10/20/2014	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	180	UG/L	20	1/19/2015	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	170	UG/L	20	5/18/2015	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	180	UG/L	20	7/20/2015	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	180	UG/L	20	10/19/2015	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	200	UG/L	20	1/18/2016	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	220	UG/L	20	5/18/2016	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	190	UG/L	20	9/15/2016	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	190	UG/L	20	12/13/2016	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	190	UG/L	20	1/25/2017	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	200	UG/L	20	4/13/2017	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	170	UG/L	20	9/6/2017	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	190	UG/L	20	11/9/2017	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	220	UG/L	20	2/7/2018	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	190	UG/L	20	5/1/2018	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	170	UG/L	20	7/26/2018	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	190	UG/L	20	11/15/2018	37.510519	-122.499799			
DDW	Municipal	CA4110010_030_030	Manganese	=	170	UG/L	10	11/10/2021	37.510519	-122.499799			
DDW	Municipal	CA4100533_006_006	Manganese	=	120	UG/L	20	11/20/2008	37.376303	-122.259641		0	0
DDW	Municipal	CA4100533_006_006	Manganese	=	94	UG/L	20	12/1/2010	37.376303	-122.259641		0	0
DDW	Municipal	CA4100533_006_006	Manganese	=	410	UG/L	20	3/30/2011	37.376303	-122.259641		0	0
DDW	Municipal	CA4100533_006_006	Manganese	=	88	UG/L	20	11/17/2011	37.376303	-122.259641		0	0
DDW	Municipal	CA4100533_006_006	Manganese	=	270	UG/L	20	3/30/2012	37.376303	-122.259641		0	0
DDW	Municipal	CA4100533_006_006	Manganese	=	41	UG/L	20	6/15/2012	37.376303	-122.259641		0	0
DDW	Municipal	CA4100533_006_006	Manganese	=	73	UG/L	20	9/14/2012	37.376303	-122.259641		0	0
DDW	Municipal	CA4100533_006_006	Manganese	=	360	UG/L	20	12/12/2012	37.376303	-122.259641		0	0
DDW	Municipal	CA4100533_006_006	Manganese	=	237	UG/L	20	7/21/2020	37.376303	-122.259641		0	0
DDW	Municipal	CA4100533_006_006	Manganese	=	232	UG/L	20	10/6/2020	37.376303	-122.259641		0	0
DDW	Municipal	CA4100533_006_006	Manganese	=	180	UG/L	20	1/12/2021	37.376303	-122.259641		0	0

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
DDW	Municipal	CA4100533_006_006	Manganese	=	2790	UG/L	20	4/13/2021	37.376303	-122.259641		0	0
DDW	Municipal	CA4100533_006_006	Manganese	=	442	UG/L	20	7/14/2021	37.376303	-122.259641		0	0
DDW	Municipal	CA4100533_006_006	Manganese	=	39	UG/L	15	10/12/2021	37.376303	-122.259641		0	0
DDW	Municipal	CA4100533_006_006	Manganese	=	538	UG/L	15	1/26/2022	37.376303	-122.259641		0	0
DDW	Municipal	CA4100533_006_006	Manganese	=	617	UG/L	15	4/20/2022	37.376303	-122.259641		0	0
DDW	Municipal	CA4100533_006_006	Manganese	=	30	UG/L	15	7/14/2022	37.376303	-122.259641		0	0
DDW	Municipal	CA4100533_006_006	Manganese	=	28	UG/L	15	10/20/2022	37.376303	-122.259641		0	0
DDW	Municipal	CA4100533_006_006	Manganese	=	31	UG/L	5	1/17/2023	37.376303	-122.259641		0	0
DDW	Municipal	CA4110010_010_010	Manganese	<	20	UG/L	20	4/25/1986	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	<	30	UG/L	20	5/12/1992	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	<	0	UG/L	20	3/28/1995	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	<	0	UG/L	20	5/9/2007	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	<	20	UG/L	20	2/2/2011	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	<	20	UG/L	20	5/18/2011	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	<	20	UG/L	20	8/17/2011	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	<	20	UG/L	20	11/29/2011	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	<	20	UG/L	20	3/5/2012	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	<	20	UG/L	20	9/3/2014	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	<	20	UG/L	20	12/1/2014	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	<	20	UG/L	20	3/3/2015	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	<	20	UG/L	20	5/19/2015	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	<	20	UG/L	20	8/10/2015	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	<	20	UG/L	20	11/9/2015	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	<	20	UG/L	20	5/19/2016	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	<	20	UG/L	20	8/24/2016	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	<	20	UG/L	20	11/7/2016	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	<	20	UG/L	20	1/25/2017	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	<	20	UG/L	20	4/13/2017	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	<	20	UG/L	20	7/20/2017	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	<	20	UG/L	20	11/8/2017	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	<	20	UG/L	20	2/8/2018	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	<	20	UG/L	20	4/26/2018	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	<	20	UG/L	20	7/23/2018	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	<	20	UG/L	20	11/13/2018	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	<	20	UG/L	20	4/16/2019	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	=	30	UG/L	20	3/11/1998	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	=	30	UG/L	20	3/15/2001	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	=	50	UG/L	20	3/25/2004	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	=	30	UG/L	20	6/23/2004	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	=	270	UG/L	20	6/15/2010	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	=	28	UG/L	20	5/21/2012	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	=	37	UG/L	20	8/14/2012	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	=	380	UG/L	20	12/4/2012	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	=	88	UG/L	20	2/14/2013	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	=	140	UG/L	20	5/22/2013	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	=	86	UG/L	20	8/27/2013	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	=	20	UG/L	20	3/14/2016	37.539958	-122.499261		0	235
DDW	Municipal	CA4110010_010_010	Manganese	=	140	UG/L	10	4/26/2022	37.539958	-122.499261		0	235
DDW	Municipal	CA4110011_014_014	Manganese	<	10	UG/L	20	3/6/1990	37.505855	-122.38373			
DDW	Municipal	CA4110011_014_014	Manganese	<	30	UG/L	20	12/11/1992	37.505855	-122.38373			
DDW	Municipal	CA4110011_014_014	Manganese	<	0	UG/L	20	7/13/1998	37.505855	-122.38373			
DDW	Municipal	CA4110011_014_014	Manganese	<	20	UG/L	20	2/27/2017	37.505855	-122.38373			
DDW	Municipal	CA4110011_014_014	Manganese	<	15	UG/L	15	3/25/2021	37.505855	-122.38373			
DDW	Municipal	CA4110011_014_014	Manganese	=	12	UG/L	20	9/7/1989	37.505855	-122.38373			
DDW	Municipal	CA4110011_014_014	Manganese	=	10	UG/L	20	12/12/1989	37.505855	-122.38373			
DDW	Municipal	CA4110011_007_007	Manganese	<	30	UG/L	20	6/9/1992	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	<	0	UG/L	20	4/21/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	<	0	UG/L	20	5/19/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	50	UG/L	20	6/15/1989	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	170	UG/L	20	12/12/1989	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	81	UG/L	20	7/13/1998	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	61	UG/L	20	2/28/2006	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	861	UG/L	20	6/12/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	897	UG/L	20	6/13/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	1120	UG/L	20	6/18/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	1300	UG/L	20	6/26/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	1150	UG/L	20	7/2/2007	37.51252	-122.488364			

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
DDW	Municipal	CA4110011_007_007	Manganese	=	1060	UG/L	20	7/9/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	300	UG/L	20	7/16/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	850	UG/L	20	7/25/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	155	UG/L	20	7/31/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	738	UG/L	20	8/15/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	716	UG/L	20	8/20/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	750	UG/L	20	8/27/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	642	UG/L	20	9/5/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	598	UG/L	20	9/11/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	641	UG/L	20	9/17/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	329	UG/L	20	9/24/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	592	UG/L	20	10/2/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	720	UG/L	20	11/5/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	268	UG/L	20	11/16/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	363	UG/L	20	11/19/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	100	UG/L	20	11/29/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	283	UG/L	20	12/3/2007	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	103	UG/L	20	3/27/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	94	UG/L	20	4/2/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	73	UG/L	20	4/10/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	69	UG/L	20	4/16/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	28	UG/L	20	5/5/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	104	UG/L	20	5/12/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	51	UG/L	20	6/9/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	1520	UG/L	20	6/19/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	207	UG/L	20	6/25/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	317	UG/L	20	6/30/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	351	UG/L	20	7/10/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	268	UG/L	20	7/17/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	388	UG/L	20	7/23/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	377	UG/L	20	7/28/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	336	UG/L	20	8/4/2008	37.51252	-122.488364			
DDW	Municipal	CA4110011_007_007	Manganese	=	100	UG/L	20	1/26/2011	37.51252	-122.488364			
DDW	Municipal	CA4100533_003_003	Manganese	<	20	UG/L	20	12/12/2013	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Manganese	<	20	UG/L	20	9/11/2014	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Manganese	<	20	UG/L	20	4/29/2018	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Manganese	=	31	UG/L	20	3/28/2007	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Manganese	=	26	UG/L	20	12/4/2007	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Manganese	=	53	UG/L	20	2/2/2011	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Manganese	=	210	UG/L	20	3/30/2012	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Manganese	=	150	UG/L	20	3/27/2013	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Manganese	=	55	UG/L	20	6/26/2013	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Manganese	=	28	UG/L	20	11/25/2014	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Manganese	=	180	UG/L	20	3/11/2015	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Manganese	=	190	UG/L	20	2/12/2016	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Manganese	=	270	UG/L	20	10/5/2016	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Manganese	=	190	UG/L	20	1/16/2017	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Manganese	=	250	UG/L	20	4/5/2017	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Manganese	=	100	UG/L	20	7/20/2017	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Manganese	=	210	UG/L	20	10/25/2017	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Manganese	=	560	UG/L	20	1/29/2018	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Manganese	=	140	UG/L	20	7/10/2018	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Manganese	=	210	UG/L	20	7/11/2018	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Manganese	=	160	UG/L	20	10/17/2018	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Manganese	=	140	UG/L	20	1/10/2019	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Manganese	=	142	UG/L	20	10/27/2020	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Manganese	=	163	UG/L	20	1/12/2021	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Manganese	=	144	UG/L	20	4/13/2021	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Manganese	=	313	UG/L	20	7/14/2021	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Manganese	=	158	UG/L	20	7/14/2021	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Manganese	=	124	UG/L	15	10/12/2021	37.390162	-122.269101		0	20
DDW	Municipal	CA4100533_003_003	Manganese	=	120	UG/L	15	1/26/2022	37.390162	-122.269101		0	20
DDW	Municipal	CA4110010_007_007	Manganese	<	30	UG/L	20	9/28/1993	37.538889	-122.502778			
DDW	Municipal	CA4110010_007_007	Manganese	=	280	UG/L	20	5/8/1984	37.538889	-122.502778			
DDW	Municipal	CA4110010_007_007	Manganese	=	480	UG/L	20	3/10/1987	37.538889	-122.502778			
DDW	Municipal	CA4110010_007_007	Manganese	=	530	UG/L	20	12/19/1996	37.538889	-122.502778			
DDW	Municipal	CA4110011_008_008	Manganese	=	690	UG/L	20	6/15/1989	37.511642	-122.501806			

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
DDW	Municipal	CA4110011_008_008	Manganese	=	430	UG/L	20	12/12/1989	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	390	UG/L	20	3/6/1990	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	380	UG/L	20	6/19/1990	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	570	UG/L	20	6/9/1992	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	160	UG/L	20	7/13/1998	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	296	UG/L	20	3/1/2005	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	314	UG/L	20	3/12/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	315	UG/L	20	3/19/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	304	UG/L	20	3/30/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	288	UG/L	20	4/2/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	295	UG/L	20	4/9/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	298	UG/L	20	4/17/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	245	UG/L	20	4/26/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	246	UG/L	20	4/30/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	326	UG/L	20	5/7/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	310	UG/L	20	5/14/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	337	UG/L	20	5/22/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	336	UG/L	20	5/29/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	300	UG/L	20	6/4/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	294	UG/L	20	6/12/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	305	UG/L	20	6/18/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	301	UG/L	20	6/26/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	300	UG/L	20	7/2/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	290	UG/L	20	7/9/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	280	UG/L	20	7/25/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	289	UG/L	20	7/31/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	300	UG/L	20	8/7/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	293	UG/L	20	8/15/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	270	UG/L	20	8/20/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	270	UG/L	20	8/27/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	260	UG/L	20	9/5/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	281	UG/L	20	9/11/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	319	UG/L	20	9/17/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	314	UG/L	20	9/24/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	335	UG/L	20	10/2/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	346	UG/L	20	10/9/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	330	UG/L	20	10/22/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	303	UG/L	20	10/29/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	323	UG/L	20	11/5/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	359	UG/L	20	11/29/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	342	UG/L	20	12/3/2007	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	388	UG/L	20	2/25/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	316	UG/L	20	3/27/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	343	UG/L	20	4/2/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	337	UG/L	20	5/12/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	321	UG/L	20	5/19/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	331	UG/L	20	5/28/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	341	UG/L	20	6/2/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	323	UG/L	20	6/9/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	306	UG/L	20	6/19/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	315	UG/L	20	6/25/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	330	UG/L	20	6/30/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	295	UG/L	20	7/10/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	353	UG/L	20	7/17/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	350	UG/L	20	7/23/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	353	UG/L	20	7/28/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	322	UG/L	20	8/4/2008	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	358	UG/L	20	6/12/2013	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	317	UG/L	20	3/19/2014	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	373	UG/L	20	3/20/2017	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	300	UG/L	20	3/17/2020	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	341	UG/L	20	3/3/2021	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	330	UG/L	20	5/5/2021	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	379	UG/L	15	9/22/2021	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	38	UG/L	15	11/8/2021	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	301	UG/L	15	2/2/2022	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	333	UG/L	15	5/4/2022	37.511642	-122.501806			

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
DDW	Municipal	CA4110011_008_008	Manganese	=	320	UG/L	15	8/17/2022	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	319	UG/L	15	11/2/2022	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	306	UG/L	15	2/15/2023	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	308	UG/L	15	3/22/2023	37.511642	-122.501806			
DDW	Municipal	CA4110011_008_008	Manganese	=	310	UG/L	15	5/25/2023	37.511642	-122.501806			
DDW	Municipal	CA4110011_015_015	Manganese	<	30	UG/L	20	12/11/1992	37.505997	-122.383566			
DDW	Municipal	CA4110011_015_015	Manganese	<	20	UG/L	20	1/9/2019	37.505997	-122.383566			
DDW	Municipal	CA4110011_015_015	Manganese	<	15	UG/L	15	1/31/2022	37.505997	-122.383566			
DDW	Municipal	CA4110011_015_015	Manganese	=	39	UG/L	20	9/7/1989	37.505997	-122.383566			
DDW	Municipal	CA4110011_015_015	Manganese	=	54	UG/L	20	12/12/1989	37.505997	-122.383566			
DDW	Municipal	CA4110011_015_015	Manganese	=	92	UG/L	20	7/13/1998	37.505997	-122.383566			
DDW	Municipal	CA4110011_015_015	Manganese	=	98	UG/L	20	10/22/2008	37.505997	-122.383566			
DDW	Municipal	CA4110011_015_015	Manganese	=	28	UG/L	20	1/30/2017	37.505997	-122.383566			
DDW	Municipal	CA4110011_015_015	Manganese	=	1	UG/L	20	1/13/2020	37.505997	-122.383566			
DDW	Municipal	CA4110011_015_015	Manganese	=	2	UG/L	20	1/26/2021	37.505997	-122.383566			
DDW	Municipal	CA4110011_003_003	Manganese	<	30	UG/L	20	6/9/1992	37.511874	-122.48805			
DDW	Municipal	CA4110011_003_003	Manganese	=	42	UG/L	20	9/7/1989	37.511874	-122.48805			
DDW	Municipal	CA4110011_003_003	Manganese	=	100	UG/L	20	12/12/1989	37.511874	-122.48805			
DDW	Municipal	CA4110011_003_003	Manganese	=	39	UG/L	20	3/6/1990	37.511874	-122.48805			
DDW	Municipal	CA4110011_003_003	Manganese	=	120	UG/L	20	6/19/1990	37.511874	-122.48805			
DDW	Municipal	CA4110011_003_003	Manganese	=	77	UG/L	20	7/13/1998	37.511874	-122.48805			
DDW	Municipal	CA4110011_017_017	Manganese	<	10	UG/L	20	9/7/1989	37.509811	-122.384775			
DDW	Municipal	CA4110011_017_017	Manganese	<	10	UG/L	20	3/6/1990	37.509811	-122.384775			
DDW	Municipal	CA4110011_017_017	Manganese	<	30	UG/L	20	12/11/1992	37.509811	-122.384775			
DDW	Municipal	CA4110011_017_017	Manganese	<	0	UG/L	20	7/13/1998	37.509811	-122.384775			
DDW	Municipal	CA4110011_017_017	Manganese	<	20	UG/L	20	2/27/2013	37.509811	-122.384775			
DDW	Municipal	CA4110011_017_017	Manganese	<	20	UG/L	20	2/21/2019	37.509811	-122.384775			
DDW	Municipal	CA4110011_017_017	Manganese	<	15	UG/L	15	2/8/2022	37.509811	-122.384775			
DDW	Municipal	CA4110011_017_017	Manganese	=	23	UG/L	20	12/12/1989	37.509811	-122.384775			
DDW	Municipal	CA4110011_017_017	Manganese	=	29	UG/L	20	11/29/2007	37.509811	-122.384775			
DDW	Municipal	CA4110011_005_005	Manganese	<	0	UG/L	20	7/13/1998	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Manganese	<	0	UG/L	20	7/23/2008	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Manganese	<	0	UG/L	20	7/28/2008	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Manganese	=	490	UG/L	20	9/7/1989	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Manganese	=	460	UG/L	20	12/12/1989	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Manganese	=	460	UG/L	20	3/6/1990	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Manganese	=	350	UG/L	20	6/19/1990	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Manganese	=	41	UG/L	20	6/9/1992	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Manganese	=	260	UG/L	20	4/11/2005	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Manganese	=	510	UG/L	20	2/25/2008	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Manganese	=	74	UG/L	20	5/12/2008	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Manganese	=	72	UG/L	20	6/2/2008	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Manganese	=	348	UG/L	20	6/9/2008	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Manganese	=	42	UG/L	20	6/30/2008	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Manganese	=	20	UG/L	20	7/10/2008	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Manganese	=	20	UG/L	20	7/17/2008	37.51206	-122.490421			
DDW	Municipal	CA4110011_005_005	Manganese	=	29	UG/L	20	8/4/2008	37.51206	-122.490421			
DDW	Municipal	CA4110011_002_002	Manganese	<	30	UG/L	20	6/9/1992	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	5/22/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	6/26/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	7/2/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	7/9/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	7/25/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	7/31/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	8/7/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	8/15/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	8/20/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	8/27/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	9/5/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	9/11/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	9/17/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	9/24/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	10/2/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	10/9/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	10/29/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	11/5/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	12/3/2007	37.510894	-122.487776			

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	3/27/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	4/2/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	4/10/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	4/16/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	4/21/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	5/5/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	5/19/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	5/28/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	6/2/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	6/9/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	6/19/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	6/25/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	6/30/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	7/10/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	7/17/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	7/23/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	7/28/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	0	UG/L	20	8/4/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	20	UG/L	20	6/12/2013	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	20	UG/L	20	3/14/2018	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	<	15	UG/L	15	4/13/2022	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	=	390	UG/L	20	9/7/1989	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	=	45	UG/L	20	12/12/1989	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	=	100	UG/L	20	6/19/1990	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	=	120	UG/L	20	7/13/1998	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	=	67	UG/L	20	3/14/2005	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	=	250	UG/L	20	5/29/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	=	85	UG/L	20	7/16/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	=	262	UG/L	20	10/22/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	=	240	UG/L	20	11/16/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	=	83	UG/L	20	11/19/2007	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	=	39	UG/L	20	5/12/2008	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	=	191	UG/L	20	1/28/2009	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	=	20	UG/L	20	3/25/2015	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	=	2	UG/L	20	4/17/2019	37.510894	-122.487776			
DDW	Municipal	CA4110011_002_002	Manganese	=	279	UG/L	15	3/9/2022	37.510894	-122.487776			
DDW	Municipal	CA4110010_031_031	Manganese	=	310	UG/L	20	6/27/1997	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	350	UG/L	20	12/8/2003	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	380	UG/L	20	12/21/2006	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	370	UG/L	20	12/30/2008	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	370	UG/L	20	10/22/2009	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	290	UG/L	20	7/19/2012	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	290	UG/L	20	10/15/2012	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	360	UG/L	20	4/15/2013	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	320	UG/L	20	7/22/2013	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	310	UG/L	20	10/21/2013	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	370	UG/L	20	1/20/2014	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	340	UG/L	20	4/21/2014	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	310	UG/L	20	10/20/2014	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	270	UG/L	20	1/19/2015	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	300	UG/L	20	4/20/2015	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	300	UG/L	20	7/20/2015	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	280	UG/L	20	10/19/2015	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	300	UG/L	20	1/18/2016	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	290	UG/L	20	5/18/2016	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	290	UG/L	20	9/15/2016	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	290	UG/L	20	12/1/2016	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	300	UG/L	20	1/25/2017	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	300	UG/L	20	4/13/2017	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	300	UG/L	20	8/10/2017	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	320	UG/L	20	11/9/2017	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	280	UG/L	20	2/7/2018	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	300	UG/L	20	5/1/2018	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	280	UG/L	20	7/26/2018	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	290	UG/L	20	11/15/2018	37.509103	-122.499379			
DDW	Municipal	CA4110010_031_031	Manganese	=	290	UG/L	10	11/10/2021	37.509103	-122.499379			
DDW	Municipal	CA4110010_027_027	Manganese	<	0	UG/L	20	8/2/2007	37.550158	-122.496742			

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
DDW	Municipal	CA4110010_027_027	Manganese	<	0	UG/L	20	8/18/2010	37.550158	-122.496742			
DDW	Municipal	CA4110010_027_027	Manganese	<	20	UG/L	20	8/29/2013	37.550158	-122.496742			
DDW	Municipal	CA4110010_027_027	Manganese	<	20	UG/L	20	8/24/2016	37.550158	-122.496742			
DDW	Municipal	CA4110010_027_027	Manganese	<	20	UG/L	20	8/5/2019	37.550158	-122.496742			
DDW	Municipal	CA4110010_027_027	Manganese	<	10	UG/L	10	9/12/2022	37.550158	-122.496742			
DDW	Municipal	CA4110015_001_001	Manganese	=	480	UG/L	20	4/8/1986	37.415833	-122.313889			
DDW	Municipal	CA4110015_001_001	Manganese	=	210	UG/L	20	12/18/1993	37.415833	-122.313889			
DDW	Municipal	CA4100533_008_008	Manganese	<	0	UG/L	20	12/1/2010	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	<	20	UG/L	20	11/17/2011	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	<	20	UG/L	20	3/27/2013	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	<	20	UG/L	20	9/23/2013	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	<	20	UG/L	20	9/10/2015	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	<	20	UG/L	20	7/31/2016	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	<	20	UG/L	20	10/10/2016	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	<	20	UG/L	20	10/3/2019	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	86	UG/L	20	1/18/2006	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	110	UG/L	20	12/4/2007	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	110	UG/L	20	11/20/2008	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	390	UG/L	20	11/15/2009	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	330	UG/L	20	6/2/2010	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	220	UG/L	20	9/8/2010	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	84	UG/L	20	3/30/2012	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	54	UG/L	20	6/26/2013	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	110	UG/L	20	12/12/2013	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	93	UG/L	20	3/13/2014	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	190	UG/L	20	6/12/2014	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	180	UG/L	20	6/11/2015	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	340	UG/L	20	2/12/2016	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	71	UG/L	20	4/18/2016	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	25	UG/L	20	10/31/2016	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	48	UG/L	20	1/16/2017	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	56	UG/L	20	4/5/2017	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	76	UG/L	20	7/20/2017	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	360	UG/L	20	10/25/2017	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	590	UG/L	20	1/29/2018	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	580	UG/L	20	4/29/2018	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	71	UG/L	20	7/11/2018	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	150	UG/L	20	10/17/2018	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	42	UG/L	20	7/23/2019	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	270	UG/L	20	1/16/2020	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	18	UG/L	20	7/21/2020	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	208	UG/L	20	10/6/2020	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	247	UG/L	20	1/12/2021	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	250	UG/L	20	4/13/2021	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	283	UG/L	20	7/14/2021	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	272	UG/L	15	10/12/2021	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	320	UG/L	15	1/26/2022	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	360	UG/L	15	4/20/2022	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	302	UG/L	15	7/14/2022	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	306	UG/L	15	10/20/2022	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	320	UG/L	15	10/20/2022	37.37686	-122.2572			
DDW	Municipal	CA4100533_008_008	Manganese	=	35	UG/L	5	1/17/2023	37.37686	-122.2572			
DDW	Municipal	CA4110010_001_001	Manganese	=	59	UG/L	20	3/23/1993	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	100	UG/L	20	12/19/1996	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	90	UG/L	20	5/13/1998	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	100	UG/L	20	8/25/1999	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	90	UG/L	20	12/1/1999	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	100	UG/L	20	2/28/2000	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	4200	UG/L	20	6/28/2000	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	90	UG/L	20	7/31/2000	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	110	UG/L	20	9/12/2000	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	90	UG/L	20	12/7/2000	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	90	UG/L	20	3/15/2001	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	120	UG/L	20	6/26/2001	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	80	UG/L	20	9/27/2001	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	80	UG/L	20	12/18/2001	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	80	UG/L	20	3/27/2002	37.515478	-122.496915		0	45

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
DDW	Municipal	CA4110010_001_001	Manganese	=	90	UG/L	20	6/20/2002	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	90	UG/L	20	6/27/2002	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	100	UG/L	20	9/24/2002	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	120	UG/L	20	12/17/2002	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	80	UG/L	20	3/26/2003	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	100	UG/L	20	9/17/2003	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	100	UG/L	20	9/24/2003	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	80	UG/L	20	12/16/2003	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	140	UG/L	20	3/13/2006	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	130	UG/L	20	6/23/2006	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	140	UG/L	20	9/19/2006	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	120	UG/L	20	9/20/2006	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	120	UG/L	20	12/12/2006	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	120	UG/L	20	3/14/2007	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	130	UG/L	20	5/9/2007	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	120	UG/L	20	8/16/2007	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	100	UG/L	20	10/30/2007	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	74	UG/L	20	2/25/2008	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	110	UG/L	20	6/12/2008	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	120	UG/L	20	9/22/2008	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	80	UG/L	20	12/8/2008	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	58	UG/L	20	2/26/2009	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	150	UG/L	20	5/27/2009	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	81	UG/L	20	8/25/2009	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	89	UG/L	20	11/3/2009	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	59	UG/L	20	2/10/2010	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	85	UG/L	20	6/15/2010	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	84	UG/L	20	8/18/2010	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	160	UG/L	20	11/9/2010	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	260	UG/L	20	2/2/2011	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	200	UG/L	20	5/18/2011	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	120	UG/L	20	8/17/2011	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	140	UG/L	20	11/29/2011	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	140	UG/L	20	3/5/2012	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	120	UG/L	20	5/21/2012	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	120	UG/L	20	8/14/2012	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	290	UG/L	20	5/22/2013	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	250	UG/L	20	8/29/2013	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	260	UG/L	20	12/11/2013	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	410	UG/L	20	3/18/2014	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	300	UG/L	20	5/12/2014	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	230	UG/L	20	8/27/2014	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	280	UG/L	20	12/8/2014	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	210	UG/L	20	3/3/2015	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	240	UG/L	20	3/9/2015	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	240	UG/L	20	5/19/2015	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	1000	UG/L	20	8/17/2015	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	360	UG/L	20	11/9/2015	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	220	UG/L	20	3/14/2016	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	330	UG/L	20	5/31/2016	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	160	UG/L	20	8/24/2016	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	260	UG/L	20	11/7/2016	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	230	UG/L	20	1/25/2017	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	380	UG/L	20	4/11/2017	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	240	UG/L	20	7/20/2017	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	180	UG/L	20	11/8/2017	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	290	UG/L	20	1/31/2018	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	330	UG/L	20	4/26/2018	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	210	UG/L	20	7/23/2018	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	340	UG/L	20	3/11/2019	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	340	UG/L	20	4/16/2019	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	280	UG/L	20	8/6/2019	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	220	UG/L	20	10/15/2019	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	320	UG/L	20	2/12/2020	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	250	UG/L	20	4/27/2020	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	400	UG/L	20	7/21/2020	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	160	UG/L	20	11/16/2020	37.515478	-122.496915		0	45

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
DDW	Municipal	CA4110010_001_001	Manganese	=	44	UG/L	20	2/3/2021	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	110	UG/L	20	4/14/2021	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	190	UG/L	10	8/10/2021	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	37	UG/L	10	10/26/2021	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	98	UG/L	10	2/7/2022	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	110	UG/L	10	4/26/2022	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	81	UG/L	10	9/12/2022	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	62	UG/L	10	11/28/2022	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	95	UG/L	10	2/13/2023	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_001_001	Manganese	=	78	UG/L	10	5/15/2023	37.515478	-122.496915		0	45
DDW	Municipal	CA4110010_014_014	Manganese	<	20	UG/L	20	5/8/1984	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	Manganese	<	20	UG/L	20	3/10/1987	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	Manganese	<	30	UG/L	20	9/28/1993	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	Manganese	<	0	UG/L	20	12/19/1996	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	Manganese	<	0	UG/L	20	12/1/1999	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	Manganese	<	0	UG/L	20	12/5/2002	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	Manganese	<	0	UG/L	20	9/17/2003	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	Manganese	<	0	UG/L	20	9/21/2006	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	Manganese	<	0	UG/L	20	8/25/2009	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	Manganese	<	20	UG/L	20	8/21/2012	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	Manganese	<	20	UG/L	20	8/10/2015	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	Manganese	<	20	UG/L	20	7/23/2018	37.543528	-122.496403		0	72
DDW	Municipal	CA4110010_014_014	Manganese	<	10	UG/L	10	8/10/2021	37.543528	-122.496403		0	72
DDW	Municipal	CA4110011_020_020	Manganese	<	0	UG/L	20	7/13/1998	37.508027	-122.386438			
DDW	Municipal	CA4110011_020_020	Manganese	<	0	UG/L	20	12/13/2006	37.508027	-122.386438			
DDW	Municipal	CA4110011_020_020	Manganese	<	20	UG/L	20	3/5/2012	37.508027	-122.386438			
DDW	Municipal	CA4110011_020_020	Manganese	<	20	UG/L	20	3/14/2018	37.508027	-122.386438			
DDW	Municipal	CA4110011_020_020	Manganese	<	15	UG/L	15	3/25/2021	37.508027	-122.386438			
DDW	Municipal	CA4110015_002_002	Manganese	=	30	UG/L	20	10/16/1985	37.3875	-122.263889			
DDW	Municipal	CA4110015_002_002	Manganese	=	67	UG/L	20	12/6/1988	37.3875	-122.263889			
DDW	Municipal	CA4110015_002_002	Manganese	=	220	UG/L	20	12/16/1992	37.3875	-122.263889			
DDW	Municipal	CA4110015_002_002	Manganese	=	110	UG/L	20	4/9/2007	37.3875	-122.263889			
DDW	Municipal	CA4110011_012_012	Manganese	<	10	UG/L	20	9/7/1989	37.505472	-122.384058			
DDW	Municipal	CA4110011_012_012	Manganese	<	10	UG/L	20	12/12/1989	37.505472	-122.384058			
DDW	Municipal	CA4110011_012_012	Manganese	<	10	UG/L	20	3/6/1990	37.505472	-122.384058			
DDW	Municipal	CA4110011_012_012	Manganese	<	30	UG/L	20	12/11/1992	37.505472	-122.384058			
DDW	Municipal	CA4110011_012_012	Manganese	<	0	UG/L	20	2/22/1996	37.505472	-122.384058			
DDW	Municipal	CA4110011_012_012	Manganese	<	0	UG/L	20	7/13/1998	37.505472	-122.384058			
DDW	Municipal	CA4110011_012_012	Manganese	<	20	UG/L	20	2/18/2014	37.505472	-122.384058			
DDW	Municipal	CA4110011_012_012	Manganese	<	20	UG/L	20	2/26/2020	37.505472	-122.384058			
DDW	Municipal	CA4110011_012_012	Manganese	<	15	UG/L	15	2/28/2023	37.505472	-122.384058			
DDW	Municipal	CA4110011_012_012	Manganese	=	28	UG/L	20	10/22/2008	37.505472	-122.384058			
DDW	Municipal	CA4110010_009_009	Manganese	=	34	UG/L	20	5/12/1992	37.538056	-122.493889			
DDW	Municipal	CA4110010_009_009	Manganese	=	32	UG/L	20	3/28/1995	37.538056	-122.493889			
DDW	Municipal	CA4110010_009_009	Manganese	=	30	UG/L	20	3/11/1998	37.538056	-122.493889			
DDW	Municipal	CA4110010_011_011	Manganese	<	20	UG/L	20	4/25/1986	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	Manganese	<	30	UG/L	20	5/12/1992	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	Manganese	<	0	UG/L	20	3/28/1995	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	Manganese	<	0	UG/L	20	3/11/1998	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	Manganese	<	0	UG/L	20	3/15/2001	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	Manganese	<	0	UG/L	20	12/5/2002	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	Manganese	<	0	UG/L	20	9/17/2003	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	Manganese	<	0	UG/L	20	9/21/2006	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	Manganese	<	0	UG/L	20	8/25/2009	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	Manganese	<	0	UG/L	20	12/1/2009	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	Manganese	<	20	UG/L	20	8/21/2012	37.538725	-122.495938		0	200
DDW	Municipal	CA4110010_011_011	Manganese	<	20	UG/L	20	1/28/2016	37.538725	-122.495938		0	200
DDW	Municipal	CA4110011_013_013	Manganese	<	10	UG/L	20	9/7/1989	37.505556	-122.383333			
DDW	Municipal	CA4110011_013_013	Manganese	<	10	UG/L	20	3/6/1990	37.505556	-122.383333			
DDW	Municipal	CA4110011_013_013	Manganese	<	30	UG/L	20	12/11/1992	37.505556	-122.383333			
DDW	Municipal	CA4110011_013_013	Manganese	=	11	UG/L	20	12/12/1989	37.505556	-122.383333			
DDW	Municipal	CA4110011_013_013	Manganese	=	33	UG/L	20	7/13/1998	37.505556	-122.383333			
DDW	Municipal	CA4110011_013_013	Manganese	=	358	UG/L	20	11/16/2009	37.505556	-122.383333			
DDW	Municipal	CA4110011_013_013	Manganese	=	295	UG/L	20	12/16/2015	37.505556	-122.383333			
DDW	Municipal	CA4110010_012_012	Manganese	<	30	UG/L	20	9/28/1993	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	100	UG/L	20	5/8/1984	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	60	UG/L	20	3/10/1987	37.513503	-122.493874		0	66

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
DDW	Municipal	CA4110010_012_012	Manganese	=	110	UG/L	20	12/19/1996	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	150	UG/L	20	12/1/1999	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	230	UG/L	20	2/28/2000	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	230	UG/L	20	9/12/2000	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	170	UG/L	20	12/7/2000	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	350	UG/L	20	3/15/2001	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	220	UG/L	20	6/26/2001	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	160	UG/L	20	9/27/2001	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	180	UG/L	20	12/18/2001	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	290	UG/L	20	3/27/2002	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	160	UG/L	20	6/20/2002	37.513503	-122.493874		0	66

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
DDW	Municipal	CA4110010_012_012	Manganese	=	170	UG/L	20	6/27/2002	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	150	UG/L	20	9/24/2002	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	150	UG/L	20	12/5/2002	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	140	UG/L	20	12/17/2002	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	220	UG/L	20	3/26/2003	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	180	UG/L	20	9/17/2003	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	170	UG/L	20	9/24/2003	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	190	UG/L	20	12/16/2003	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	280	UG/L	20	3/13/2006	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	250	UG/L	20	6/23/2006	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	240	UG/L	20	9/19/2006	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	210	UG/L	20	9/20/2006	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	200	UG/L	20	12/12/2006	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	330	UG/L	20	3/14/2007	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	270	UG/L	20	5/9/2007	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	170	UG/L	20	8/16/2007	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	150	UG/L	20	10/18/2007	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	340	UG/L	20	2/25/2008	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	280	UG/L	20	6/12/2008	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	210	UG/L	20	9/22/2008	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	220	UG/L	20	12/8/2008	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	480	UG/L	20	2/24/2009	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	370	UG/L	20	5/27/2009	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	400	UG/L	20	8/25/2009	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	440	UG/L	20	11/3/2009	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	1200	UG/L	20	2/10/2010	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	1100	UG/L	20	6/15/2010	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	1900	UG/L	20	8/18/2010	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	2500	UG/L	20	11/9/2010	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	2900	UG/L	20	2/2/2011	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	2900	UG/L	20	5/18/2011	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	2900	UG/L	20	8/17/2011	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3100	UG/L	20	11/29/2011	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	2600	UG/L	20	3/5/2012	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3100	UG/L	20	5/21/2012	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3100	UG/L	20	8/14/2012	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3900	UG/L	20	12/10/2012	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3200	UG/L	20	2/14/2013	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3300	UG/L	20	5/22/2013	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3200	UG/L	20	8/29/2013	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3100	UG/L	20	12/11/2013	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3300	UG/L	20	3/18/2014	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3200	UG/L	20	5/12/2014	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	4600	UG/L	20	8/27/2014	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3400	UG/L	20	12/8/2014	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3100	UG/L	20	3/3/2015	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3000	UG/L	20	5/19/2015	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3100	UG/L	20	8/17/2015	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3200	UG/L	20	11/9/2015	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3200	UG/L	20	3/14/2016	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3000	UG/L	20	5/31/2016	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3100	UG/L	20	8/24/2016	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	2600	UG/L	20	11/7/2016	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3100	UG/L	20	1/25/2017	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	2800	UG/L	20	4/11/2017	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3200	UG/L	20	7/20/2017	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	2900	UG/L	20	11/8/2017	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	2900	UG/L	20	1/31/2018	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3200	UG/L	20	4/26/2018	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3100	UG/L	20	7/23/2018	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	2900	UG/L	20	11/13/2018	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	2700	UG/L	20	2/12/2019	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	2900	UG/L	20	4/16/2019	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3000	UG/L	20	8/14/2019	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	2900	UG/L	20	10/15/2019	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3500	UG/L	20	2/12/2020	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3500	UG/L	20	4/27/2020	37.513503	-122.493874		0	66

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
DDW	Municipal	CA4110010_012_012	Manganese	=	2900	UG/L	20	7/21/2020	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3000	UG/L	20	11/17/2020	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	2800	UG/L	20	2/3/2021	37.513503	-122.493874		0	66

Table 3.4. Groundwater Water Quality Data

Dataset Name	Well Category	Well ID	Chemical	Result Modifier	Result	Units	Reporting Limit	Collection Date	Latitude	Longitude	Well Depth (ft)	Top of Screen (ft)	Screen Length (ft)
DDW	Municipal	CA4110010_012_012	Manganese	=	2700	UG/L	20	4/14/2021	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	4700	UG/L	10	8/10/2021	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3300	UG/L	10	10/26/2021	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	2700	UG/L	10	2/7/2022	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	2900	UG/L	10	4/26/2022	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	2900	UG/L	10	9/12/2022	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3100	UG/L	10	11/28/2022	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3000	UG/L	10	2/13/2023	37.513503	-122.493874		0	66
DDW	Municipal	CA4110010_012_012	Manganese	=	3100	UG/L	10	5/18/2023	37.513503	-122.493874		0	66
DDW	Municipal	CA4110011_016_016	Manganese	<	10	UG/L	20	10/17/1989	37.508761	-122.385663			
DDW	Municipal	CA4110011_016_016	Manganese	<	10	UG/L	20	3/6/1990	37.508761	-122.385663			
DDW	Municipal	CA4110011_016_016	Manganese	<	30	UG/L	20	12/11/1992	37.508761	-122.385663			
DDW	Municipal	CA4110011_016_016	Manganese	<	0	UG/L	20	7/13/1998	37.508761	-122.385663			
DDW	Municipal	CA4110011_016_016	Manganese	<	20	UG/L	20	3/7/2017	37.508761	-122.385663			
DDW	Municipal	CA4110011_016_016	Manganese	<	15	UG/L	15	3/25/2021	37.508761	-122.385663			
DDW	Municipal	CA4110011_016_016	Manganese	=	180	UG/L	20	12/12/1989	37.508761	-122.385663			
DDW	Municipal	CA4110011_016_016	Manganese	=	65	UG/L	20	12/13/2005	37.508761	-122.385663			
DDW	Municipal	CA4110011_016_016	Manganese	=	64	UG/L	20	3/8/2011	37.508761	-122.385663			
DDW	Municipal	CA4110010_003_003	Manganese	<	20	UG/L	20	5/8/1984	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	Manganese	<	20	UG/L	20	3/10/1987	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	Manganese	<	30	UG/L	20	9/28/1993	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	Manganese	<	0	UG/L	20	12/19/1996	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	Manganese	<	0	UG/L	20	12/1/1999	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	Manganese	<	0	UG/L	20	12/5/2002	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	Manganese	<	0	UG/L	20	9/17/2003	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	Manganese	<	0	UG/L	20	9/21/2006	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	Manganese	<	0	UG/L	20	8/25/2009	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	Manganese	<	20	UG/L	20	8/21/2012	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	Manganese	<	20	UG/L	20	8/10/2015	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	Manganese	<	20	UG/L	20	11/8/2017	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	Manganese	<	20	UG/L	20	7/23/2018	37.543429	-122.498185		0	215
DDW	Municipal	CA4110010_003_003	Manganese	<	10	UG/L	10	8/10/2021	37.543429	-122.498185		0	215
DWR	Water Supply, Other	05S06W11E001M	Manganese		0	UG/L	1	8/15/1974	37.5147	-122.4996	114	12	98
DWR	Water Supply, Other	05S05W29P001M	Manganese		40	UG/L	1	6/30/1976	37.4644	-122.4316	84		
DWR	Water Supply, Other	05S05W20E001M	Manganese		0	UG/L	1	6/18/1975	37.4844	-122.4391	110		
DWR	Water Supply, Other	05S06W10H001M	Manganese		280	UG/L	1	8/12/1987	37.5147	-122.5043			
DWR	Water Supply, Other	05S05W18N001M	Manganese		20	UG/L	1	10/21/1986	37.493	-122.463			
WB_CLEANUP	Monitoring	T0608192710-MW-2	Manganese	=	4200	UG/L	50	1/22/2009	37.5417039	-122.5161284		15	20
WB_CLEANUP	Monitoring	T0608192710-MW-1	Manganese	=	98	UG/L	50	1/22/2009	37.5418364	-122.5160569		15	20
WB_CLEANUP	Monitoring	T0608192710-MW-3	Manganese	=	810	UG/L	50	1/22/2009	37.5417705	-122.5163208		20	15
GAMA_USGS	Municipal	HR-SC-01	Manganese	<	0.13	UG/L	0.13	3/28/2011	37.55016708	-122.4967499	776	370	406
GAMA_USGS	Municipal	HR-SC-01	Manganese	<	0.4	UG/L	0.4	8/18/2016	37.55016708	-122.4967499	776	370	406
GAMA_USGS	Municipal	HR-SC-01	Manganese	<	0.4	UG/L	0.4	6/14/2021	37.55016708	-122.4967499	776	370	406
GAMA_USGS	Municipal	HR-SC-04	Manganese		93	UG/L	0.13	3/30/2011	37.37680435	-122.2570038	300	60	220
GAMA_USGS	Domestic	HR-SC-07	Manganese		83.9	UG/L	0.13	4/4/2011	37.37708282	-122.3954697	300	90	160
USGS_NWIS	Municipal	USGS-373300122290001	Manganese	<	0.13	UG/L	0.13	3/28/2011	37.55016667	-122.49675	776		
USGS_NWIS	Municipal	USGS-373300122290001	Manganese	<	0.4	UG/L	0.4	8/18/2016	37.55016667	-122.49675	776		
USGS_NWIS	Municipal	USGS-373300122290001	Manganese	<	0.4	UG/L	0.4	6/14/2021	37.55016667	-122.49675	776		
USGS_NWIS	Domestic	USGS-372200122230001	Manganese		83.9	UG/L	0.13	4/4/2011	37.37708333	-122.3954722	300		
USGS_NWIS	Municipal	USGS-372200122150001	Manganese		93	UG/L	0.13	3/30/2011	37.37680556	-122.257	300		
USGS_NWIS	Municipal	USGS-373054122294101	Manganese		10	UG/L	UNK	9/15/1981	37.51494067	-122.4958113			

Notes

Blank cells = information not available
< = Chemical Below Respective Laboratory Reporting Limit
µg/L = Microgram per Liter
DDW = Department of Drinking Water
DWR = Department of Water Resources
GAMA_USGS = Groundwater Ambient Monitoring and Assessment Program (GAMA) United States Geological Survey (USGS)
mg/L = milligrams per liter
NA = Data Not Available
TDS = Total dissolved solids
USGS_NWIS = United States Geological Survey (USGS) National Water Information System (NWIS)
WB_CLEANUP = State Water Resources Control Board (SWRCB) Environmental Cleanup Site
Reference: GAMA, 2023a. GAMA Information System, accessed at: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/.

Table 3.5. Environmental Cleanup Sites within the Project Area

Site Name	Status	Address	City	Site Type	Lead Agency
ANDREINI BROS	COMPLETED - CASE CLOSED	119 MAIN STREET	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
BELL HOTEL	COMPLETED - CASE CLOSED	7495 STAGE RD.	SAN GREGORIO	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
CABRILLO INN	COMPLETED - CASE CLOSED	1410 SOUTH CABRILLO HIGHWAY	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
CABRILLO SCHOOL DISTRICT	COMPLETED - CASE CLOSED	498 KELLY	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
CALIFORNIA EVERGREEN NURSERY	COMPLETED - CASE CLOSED	12761 HIGHWAY 92	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
CALTRANS	COMPLETED - CASE CLOSED	2003 SOUTH CABRILLO HIGHWAY	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
CALTRANS MAINTENANCE FACILITY	COMPLETED - CASE CLOSED	2203 SOUTH CABRILLO HIGHWAY	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
CALTRANS MONTARA	COMPLETED - CASE CLOSED	ADJ 8450 CABRILLO HIGHWAY	MONTARA	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
CHEVRON	COMPLETED - CASE CLOSED	375 CABRILLO HWY	HALF MOON BAY	LUST CLEANUP SITE	SAN FRANCISCO BAY RWQCB (REGION 2)
CHEVRON 9-7927	COMPLETED - CASE CLOSED	375 SOUTH CABRILLO HIGHWAY	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
CROWN CLEANERS	COMPLETED - CASE CLOSED	210 HIGHWAY 92	HALF MOON BAY	CLEANUP PROGRAM SITE	SAN MATEO COUNTY LOP
CUNHA INTERMEDIATE SCHOOL DIST	COMPLETED - CASE CLOSED	0 KELLY & CHURCH	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
CURLEY & REDS	COMPLETED - CASE CLOSED	215 SAN MATEO	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
DAHER PROPERTY	COMPLETED - CASE CLOSED	425 AVENUE ALHAMBRA	EL GRANADA	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
DRISCOLL RANCH – LA HONDA CREEK OPEN SPACE PRESERVE (MIDPENINSULA REGIONAL OPEN SPACE DISTRICT)	COMPLETED - CASE CLOSED	5701 LA HONDA ROAD	LA HONDA	CLEANUP PROGRAM SITE	SAN FRANCISCO BAY RWQCB (REGION 2)
EL GRANADA MARKET	COMPLETED - CASE CLOSED	401 AVENUE ALHAMBRA	EL GRANADA	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
ERICA NURSERY	COMPLETED - CASE CLOSED	37 FRENCHMAN CREEK	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
FOOD & LIQUOR #44	COMPLETED - CASE CLOSED	501 KELLY	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
FORMER HALF MOON BAY GUN CLUB	COMPLETED - CASE CLOSED	3500 FRENCHMAN'S CREEK ROAD	EL GRANADA	CLEANUP PROGRAM SITE	SAN MATEO COUNTY LOP
G.N. RENN HWY 92 TANKER SPILL	COMPLETED - CASE CLOSED	11881 SAN MATEO	HALF MOON BAY	CLEANUP PROGRAM SITE	SAN MATEO COUNTY LOP
GRANILLI & COOK, INC	COMPLETED - CASE CLOSED	604 MAIN	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
GROWERS ASSOCIATION	COMPLETED - CASE CLOSED	845 MAIN	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
HALF MOON BAY FLIGHT STRIP - HALF MOON BAY FLIGHT STRIP (J09CA082000)	No Further Action		HALF MOON BAY	MILITARY CLEANUP SITE	DEPARTMENT OF TOXIC SUBSTANCES CONTROL
HALF MOON BAY ORCHIDS	COMPLETED - CASE CLOSED	37K FRENCHMAN'S CREEK ROAD	HALF MOON BAY	CLEANUP PROGRAM SITE	SAN MATEO COUNTY LOP
HALF MOON BAY STATE BEACH	COMPLETED - CASE CLOSED	95 KELLY	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
HILLSBOROUGH FIRE DEPT	COMPLETED - CASE CLOSED	835 CHATEAU	HILLSBOROUGH	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
JAMES FORD INC	COMPLETED - CASE CLOSED	100 SEYMOUR	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
K.N. PROPERTIES	COMPLETED - CASE CLOSED	447 MAIN	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LO
KN PROPERTY II	COMPLETED - CASE CLOSED	9400 HIGHWAY 1	MOSS BEACH	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
KN PROPERTY II - MTBE RELEASE	COMPLETED - CASE CLOSED	9400 HIGHWAY 1	MOSS BEACH	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
MADONNA CREEK RANCH	COMPLETED - CASE CLOSED	MUDDY ROAD	HALF MOON BAY	CLEANUP PROGRAM SITE	SAN MATEO COUNTY LOP
MAIN STREET & ARNOLD WAY	COMPLETED - CASE CLOSED	0 MAIN STREET & ARNOLD	HALF MOON BAY	CLEANUP PROGRAM SITE	SAN MATEO COUNTY LOP
MCCAHON NURSERY	COMPLETED - CASE CLOSED	1450 SOUTH CABRILLO HIGHWAY	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
MT. PISE, NWS	COMPLETED - CASE CLOSED	12850 SKYLINE	WOODSIDE	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
NEIGHBORHOOD GAS MART	COMPLETED - CASE CLOSED	8445 HIGHWAY 1	MONTARA	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
NURSERYMEN'S EXCHANGE	COMPLETED - CASE CLOSED	2651 NORTH CABRILLO HIGHWAY	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
OLYMPIAN OIL HMB	COMPLETED - CASE CLOSED	200 SAN MATEO	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
PACIFIC BELL	COMPLETED - CASE CLOSED	1167 SOUTH MAIN STREET	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
PASTORINO NURSERY	COMPLETED - CASE CLOSED	12511 SAN MATEO	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
PILLAR POINT AIR FORCE STATION	COMPLETED - CASE CLOSED	0 WEST POINT	EL GRANADA	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
PILLAR POINT HARBOR	COMPLETED - CASE CLOSED	1 JOHNSON PIER	EL GRANADA	LUST CLEANUP SITE	SAN MATEO COUNTY LOP

Table 3.5. Environmental Cleanup Sites within the Project Area

Site Name	Status	Address	City	Site Type	Lead Agency
PORTOLA PUMP STATION	COMPLETED - CASE CLOSED	529 OBISPO	EL GRANADA	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
PRIVATE RESIDENCE	COMPLETED - CASE CLOSED	PRIVATE RESIDENCE	MOSS BEACH	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
PRIVATE RESIDENCE	COMPLETED - CASE CLOSED	PRIVATE RESIDENCE	EL GRANADA	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
PRIVATE RESIDENCE	COMPLETED - CASE CLOSED	PRIVATE RESIDENCE	MOSS BEACH	CLEANUP PROGRAM SITE	SAN MATEO COUNTY LOP
PRIVATE RESIDENCE	COMPLETED - CASE CLOSED	PRIVATE RESIDENCE	MONTARA	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
PRIVATE RESIDENCE	COMPLETED - CASE CLOSED	PRIVATE RESIDENCE	EL GRANADA	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
PRIVATE RESIDENCE	OPEN - SITE ASSESSMENT	PRIVATE RESIDENCE	MOSS BEACH	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
PRIVATE RESIDENCE	COMPLETED - CASE CLOSED	PRIVATE RESIDENCE	EL GRANADA	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
PRIVATE RESIDENCE	COMPLETED - CASE CLOSED	PRIVATE RESIDENCE	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
PRIVATE RESIDENCE	COMPLETED - CASE CLOSED	PRIVATE RESIDENCE	EL GRANADA	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
PRIVATE RESIDENCE	COMPLETED - CASE CLOSED	PRIVATE RESIDENCE	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
PRIVATE RESIDENCE	COMPLETED - CASE CLOSED	PRIVATE RESIDENCE	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP

Table 3.5. Environmental Cleanup Sites within the Project Area

Site Name	Status	Address	City	Site Type	Lead Agency
REILEY RESIDENCE	COMPLETED - CASE CLOSED	101 12TH ST.	MONTARA	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
REPETTO NURSERY	COMPLETED - CASE CLOSED	12351 SAN MATEO	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
RICE TRUCKING	COMPLETED - CASE CLOSED	565 REDONDO BEACH	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
SEWER AUTHORITY MIDCOASTSIDE	COMPLETED - CASE CLOSED	1000 NORTH CABRILLO HIGHWAY	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
SHELL OIL CO	COMPLETED - CASE CLOSED	201 SAN MATEO	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
SKYLAWN MEMORIAL PARK	COMPLETED - CASE CLOSED	0 CAHILL RIDGE	SAN MATEO	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
SKYLONDA CORNERS	COMPLETED - CASE CLOSED	17288 SKYLINE BOULEVARD	WOODSIDE	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
SKYWOOD MARKET	COMPLETED - CASE CLOSED	17319 SKYLINE	WOODSIDE	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
SMCO DEPT OF PW II	COMPLETED - CASE CLOSED	59 ENTRADA	LA HONDA	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
SWEDISH PLACE	COMPLETED - CASE CLOSED	2320 SOUTH CABRILLO HIGHWAY	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
TEXACO 21-1327, FORMER	COMPLETED - CASE CLOSED	196 MAIN	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
THE BICYCLERY	COMPLETED - CASE CLOSED	432 MAIN	HALF MOON BAY	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
UNION 76 SAN GREGORIO	COMPLETED - CASE CLOSED	7615 STAGE RD	SAN GREGORIO	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
WESTAR CABLE	COMPLETED - CASE CLOSED	525 OBISPO	EL GRANADA	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
WESTERN STATES TANKER SPILL	COMPLETED - CASE CLOSED	0 SKYLINE	WOODSIDE	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
WESTINGHOUSE CORP	COMPLETED - CASE CLOSED	450 CAPISTRANO	EL GRANADA	LUST CLEANUP SITE	SAN MATEO COUNTY LOP
YU PROPERTY	COMPLETED - CASE CLOSED	860 AIRPORT	MOSS BEACH	CLEANUP PROGRAM SITE	SAN MATEO COUNTY LOP
CABRILLO MIDDLE SCHOOL SITE	No Further Action	North Wavecrest Road	Half Moon Bay	School Investigation	
CAMP MIRAMAR	No Further Action		Half Moon Bay	Military Evaluation	
Granada Cantonment Area (J09CA0813)	No Further Action	Avenue Portola and Francisco Drive	El Granada	Military Evaluation	
Half Moon Bay Flight Strip	No Further Action	5.5 NW of Half Moon Bay	Half Moon Bay	Military Evaluation	
Half Moon Bay Radar L-82 (J09CA0821)	No Further Action	Wavecrest Road	Half Moon Bay	Military Evaluation	
NORTH WAVECREST PROPERTY	No Further Action	Highway 1/Wavecrest Road	Half Moon Bay	School Investigation	
PILLAR POINT RESERVATION (J09CA0899)	No Further Action	300 West Point Ave	Half Moon Bay	Military Evaluation	
PG&E SAN MATEO PIPELINE	Certified	Canada Road	Belmont	Voluntary Cleanup	
CAMP MONTARA	No Further Action		Montara	Military Evaluation	
LITTLE DEVIL'S SLIDE MILITARY RESERVATION	No Further Action	0.3 MILE N-NW OF THE SOUTHERN DEVIL'S SLIDE TRAIL/HIGHWAY 1 INTERSECTION		Military Evaluation	

Notes

Blank cells = no information available

DTSC = Department of Toxic Substances Control, sites available on Envirostor

LOP = Local Oversight Program

RWQCB = Regional Water Quality Control Board, sites available of GeoTracker

Table 3.6. Aquifer Contamination Risk within the Project Area

Section Number*	Aquifer Risk	Contaminants Above MCL	Contaminants Between 80%-100% of MCL	Number of Domestic Wells in Section
M04S06W21	Low	--	--	0
M04S06W22	Low	--	--	0
M04S06W23	Low	--	--	0
M04S06W25	Low	--	--	0
M04S06W26	Low	--	--	0
M04S06W27	Low	--	--	1
M04S06W28	Low	--	--	0
M04S06W33	Low	--	--	29
M04S06W34	Low	--	--	156
M04S06W35	Low	--	--	14
M04S06W36	Low	--	--	0
M05S05W01	Low	--	--	0
M05S05W02	Low	--	--	0
M05S05W03	Low	--	--	0
M05S05W07	Low	--	--	0
M05S05W08	Low	--	--	0
M05S05W09	Low	--	--	0
M05S05W10	Low	--	--	0
M05S05W11	Low	--	--	0
M05S05W12	Low	--	--	0
M05S05W13	Low	--	--	0
M05S05W14	Low	--	--	0
M05S05W15	Low	--	--	1
M05S05W16	Low	--	--	0
M05S05W17	Low	--	--	5
M05S05W18	Low	--	--	59
M05S05W19	Low	--	--	20
M05S05W20	Low	--	--	3
M05S05W21	Low	--	--	7
M05S05W29	Unknown	--	--	162
M05S05W30	Unknown	--	--	14
M05S05W32	Unknown	--	--	103
M05S06W01	High	1,2,3-TCP, Al	--	0
M05S06W02	High	NO_3N, Al, 1,2,3-TCP	F	0
M05S06W03	High	NO_3N, Al, 1,2,3-TCP	F	41
M05S06W04	High	NO_3N	F	8
M05S06W09	High	NO_3N	F	0
M05S06W10	High	NO_3N	F	12
M05S06W11	High	Al	--	86
M05S06W12	High	Al	--	131
M05S06W13	High	1,2,3-TCP, Al	--	59
M05S06W14	High	1,2,3-TCP, Al, NO_3N	F	11
M05S06W15	High	1,2,3-TCP, Al, NO_3N	F	1
M06S03W30	Low	--	--	3
M06S03W31	Low	--	--	0
M06S04W14	High	Ba	Pb	1
M06S04W15	High	Ba	Pb	0
M06S04W15	High	Ba	Pb	0
M06S04W22	High	Ba	Pb	8
M06S04W23	High	Ba	Pb	2
M06S04W24	Low	--	--	4
M06S04W25	Low	--	--	5
M06S04W26	Low	--	--	16
M06S04W27	High	Ba	Pb	18
M06S04W31	Low	--	--	2
M06S04W32	Low	--	--	0
M06S04W34	Low	--	--	0
M06S04W35	Low	--	--	1
M06S04W36	Low	--	--	0
M06S05W21	Low	--	--	0
M06S05W22	Low	--	--	2
M06S05W23	Low	--	--	10
M06S05W26	Low	--	--	1
M06S05W27	Low	--	--	3
M06S05W28	Low	--	--	3
M06S05W33	Low	--	--	5
M06S05W34	Low	--	--	6
M06S05W35	Low	--	--	0
M06S05W36	Low	--	--	2
M07S04W05	Low	--	--	0
M07S04W06	Low	--	--	0
M07S04W07	Low	--	--	1
M07S04W08	Low	--	--	0
M07S05W01	Low	--	--	4
M07S05W09	Low	--	--	5
M07S05W10	Low	--	--	1
M07S05W11	Low	--	--	2
M07S05W12	Low	--	--	2
M07S05W14	Low	--	--	1
M07S05W15	Low	--	--	8
M07S05W16	Low	--	--	1

Notes

*For outputs from the Aquifer Risk Map for the Section Numbers, Refer to Appendix 3.6

1,2,3-TCP = 1,2,3-Trichloropropane

Al = Aluminum

Ba = Barium

F = Fluoride

NO_3N = Nitrate as Nitrogen

MCL = Maximum Contaminant Level

Pb = Lead

Reference: GAMA, 2023d. Aquifer Risk Map, accessed at: https://gispublic.waterboards.ca.gov/portal/apps/webappviewer/index.html?id=17825b2b791d4004b547d316af7ac5cb.

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
		Maximum Contaminant Level (MCL)	**1000**	**2000**	**10000**	**1000**	**0.005**	**15**
USGS_NWIS	371900000000000	5/2/2011	12.2	240	407	< 1.7	< 0.12	< 0.015
USGS_NWIS	372200000000000	3/30/2011	38.8	140	4520	< 1.7	< 0.12	< 0.015
USGS_NWIS	372200000000001	4/4/2011	NA	NA	NA	NA	NA	NA
USGS_NWIS	373054000000000	9/15/1981	NA	500	NA	NA	NA	NA
USGS_NWIS	373300000000000	3/28/2011	26.2	570	270	< 1.7	< 0.12	< 0.015
USGS_NWIS	373300000000000	8/18/2016	28.9	560	185	< 3	< 0.006	NA
USGS_NWIS	373300000000000	6/14/2021	30	590	198	< 3	< 0.006	0.224
WB_CLEANUP	T0608192710-MW-1	3/7/2012	NA	<500	<500	NA	NA	NA
WB_CLEANUP	T0608192710-MW-2	3/7/2012	NA	<500	<500	NA	NA	NA
WB_CLEANUP	T0608192710-MW-3	3/7/2012	NA	<500	2800	NA	NA	NA
WB_CLEANUP	T0608192710-MW-5	3/7/2012	NA	510	<500	NA	NA	NA
WB_CLEANUP	T0608192710-MW-6	3/7/2012	NA	<500	<500	NA	NA	NA
WB_CLEANUP	T0608192710-MW-7	3/7/2012	NA	<500	1600	NA	NA	NA
WB_CLEANUP	T0608100993-MW-2	8/28/2012	NA	NA	6300	NA	NA	NA
WB_CLEANUP	T0608100993-MW-3	8/28/2012	NA	NA	3300	NA	NA	NA
WB_CLEANUP	T0608100993-MW-4	8/28/2012	NA	NA	1500	NA	NA	NA
WB_CLEANUP	T0608100993-MW-6	8/28/2012	NA	NA	680	NA	NA	NA
WB_CLEANUP	T0608100769-MW-1	2/15/2007	NA	NA	2700	NA	NA	NA
WB_CLEANUP	T0608100769-MW-2	2/15/2007	NA	NA	3500	NA	NA	NA
WB_CLEANUP	T0608100473-S-1	1/18/2006	NA	NA	<5000	NA	NA	NA
WB_CLEANUP	T0608100473-S-2	1/18/2006	NA	NA	<5000	NA	NA	NA
WB_CLEANUP	T0608100473-S-3	1/18/2006	NA	NA	7000	NA	NA	NA
WB_CLEANUP	T0608100473-S-4	1/18/2006	NA	NA	<5000	NA	NA	NA
WB_CLEANUP	T0608100473-S-6	1/18/2006	NA	NA	17000	NA	NA	NA
WB_CLEANUP	T0608100473-S-7	1/18/2006	NA	NA	2500	NA	NA	NA
WB_CLEANUP	T0608100473-S-1	5/1/2006	NA	NA	17000	NA	NA	NA
WB_CLEANUP	T0608100473-S-2	5/1/2006	NA	NA	<500	NA	NA	NA
WB_CLEANUP	T0608100473-S-3	5/1/2006	NA	NA	5200	NA	NA	NA
WB_CLEANUP	T0608100473-S-4	5/1/2006	NA	NA	<500	NA	NA	NA
WB_CLEANUP	T0608100473-S-6	5/1/2006	NA	NA	13000	NA	NA	NA
WB_CLEANUP	T0608100473-S-7	5/1/2006	NA	NA	36100	NA	NA	NA
WB_CLEANUP	T0608100473-S-1	1/26/2005	NA	NA	5900	NA	NA	NA
WB_CLEANUP	T0608100473-S-2	1/26/2005	NA	NA	<1000	NA	NA	NA
WB_CLEANUP	T0608100473-S-3	1/26/2005	NA	NA	9000	NA	NA	NA
WB_CLEANUP	T0608100473-S-4	1/26/2005	NA	NA	<1000	NA	NA	NA
WB_CLEANUP	T0608100473-S-6	1/26/2005	NA	NA	14000	NA	NA	NA
WB_CLEANUP	T0608100473-S-7	1/26/2005	NA	NA	<1000	NA	NA	NA
WB_CLEANUP	T0608100473-S-1	4/19/2005	NA	NA	2500	NA	NA	NA
WB_CLEANUP	T0608100473-S-2	4/19/2005	NA	NA	<1000	NA	NA	NA
WB_CLEANUP	T0608100473-S-3	4/19/2005	NA	NA	6300	NA	NA	NA
WB_CLEANUP	T0608100473-S-4	4/19/2005	NA	NA	<1000	NA	NA	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
WB_CLEANUP	T0608100473-S-6	4/19/2005	NA	NA	9300	NA	NA	NA
WB_CLEANUP	T0608100473-S-7	4/19/2005	NA	NA	9500	NA	NA	NA
WB_CLEANUP	T0608100473-S-1	7/11/2005	NA	NA	<1000	NA	NA	NA
WB_CLEANUP	T0608100473-S-2	7/11/2005	NA	NA	<1000	NA	NA	NA
WB_CLEANUP	T0608100473-S-3	7/11/2005	NA	NA	<1000	NA	NA	NA
WB_CLEANUP	T0608100473-S-4	7/11/2005	NA	NA	<1000	NA	NA	NA
WB_CLEANUP	T0608100473-S-6	7/11/2005	NA	NA	11000	NA	NA	NA
WB_CLEANUP	T0608100473-S-7	7/11/2005	NA	NA	<1000	NA	NA	NA
WB_CLEANUP	T0608100473-S-1	11/8/2005	NA	NA	<100	NA	NA	NA
WB_CLEANUP	T0608100473-S-2	11/8/2005	NA	NA	<100	NA	NA	NA
WB_CLEANUP	T0608100473-S-3	11/8/2005	NA	NA	933	NA	NA	NA
WB_CLEANUP	T0608100473-S-4	11/8/2005	NA	NA	<100	NA	NA	NA
WB_CLEANUP	T0608100473-S-6	11/8/2005	NA	NA	3340	NA	NA	NA
WB_CLEANUP	T0608100473-S-7	11/8/2005	NA	NA	<100	NA	NA	NA
WB_CLEANUP	T0608100473-S-1	1/21/2004	NA	NA	<1000	NA	NA	NA
WB_CLEANUP	T0608100473-S-2	1/21/2004	NA	NA	<1000	NA	NA	NA
WB_CLEANUP	T0608100473-S-3	1/21/2004	NA	NA	2500	NA	NA	NA
WB_CLEANUP	T0608100473-S-4	1/21/2004	NA	NA	<1000	NA	NA	NA
WB_CLEANUP	T0608100473-S-6	1/21/2004	NA	NA	2500	NA	NA	NA
WB_CLEANUP	T0608100473-S-7	1/21/2004	NA	NA	<1000	NA	NA	NA
WB_CLEANUP	T0608100473-S-1	4/14/2004	NA	NA	<1000	NA	NA	NA
WB_CLEANUP	T0608100473-S-2	4/14/2004	NA	NA	<1000	NA	NA	NA
WB_CLEANUP	T0608100473-S-3	4/14/2004	NA	NA	<1000	NA	NA	NA
WB_CLEANUP	T0608100473-S-4	4/14/2004	NA	NA	<1000	NA	NA	NA
WB_CLEANUP	T0608100473-S-6	4/14/2004	NA	NA	11000	NA	NA	NA
WB_CLEANUP	T0608100473-S-7	4/14/2004	NA	NA	<1000	NA	NA	NA
WB_CLEANUP	T0608100473-S-1	7/15/2004	NA	NA	320	NA	NA	NA
WB_CLEANUP	T0608100473-S-2	7/15/2004	NA	NA	<1000	NA	NA	NA
WB_CLEANUP	T0608100473-S-3	7/15/2004	NA	NA	<1000	NA	NA	NA
WB_CLEANUP	T0608100473-S-4	7/15/2004	NA	NA	340	NA	NA	NA
WB_CLEANUP	T0608100473-S-6	7/15/2004	NA	NA	10000	NA	NA	NA
WB_CLEANUP	T0608100473-S-7	7/15/2004	NA	NA	<1000	NA	NA	NA
WB_CLEANUP	T0608100473-S-1	1/16/2003	NA	NA	6100	NA	NA	NA
WB_CLEANUP	T0608100473-S-2	1/16/2003	NA	NA	< 100	NA	NA	NA
WB_CLEANUP	T0608100473-S-3	1/16/2003	NA	NA	< 100	NA	NA	NA
WB_CLEANUP	T0608100473-S-4	1/16/2003	NA	NA	150	NA	NA	NA
WB_CLEANUP	T0608100473-S-6	1/16/2003	NA	NA	8100	NA	NA	NA
WB_CLEANUP	T0608100473-S-7	1/16/2003	NA	NA	< 100	NA	NA	NA
WB_CLEANUP	T0608100473-S-1	4/16/2003	NA	NA	<1000	NA	NA	NA
WB_CLEANUP	T0608100473-S-2	4/16/2003	NA	NA	<1000	NA	NA	NA
WB_CLEANUP	T0608100473-S-3	4/16/2003	NA	NA	<1000	NA	NA	NA
WB_CLEANUP	T0608100473-S-4	4/16/2003	NA	NA	<1000	NA	NA	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
WB_CLEANUP	T0608100473-S-6	4/16/2003	NA	NA	11000	NA	NA	NA
WB_CLEANUP	T0608100473-S-7	4/16/2003	NA	NA	<1000	NA	NA	NA
WB_CLEANUP	T0608100473-S-1	1/16/2002	NA	NA	1000	NA	NA	NA
WB_CLEANUP	T0608100473-S-2	1/16/2002	NA	NA	<200	NA	NA	NA
WB_CLEANUP	T0608100473-S-3	1/16/2002	NA	NA	<200	NA	NA	NA
WB_CLEANUP	T0608100473-S-4	1/16/2002	NA	NA	<200	NA	NA	NA
WB_CLEANUP	T0608100473-S-6	1/16/2002	NA	NA	10000	NA	NA	NA
WB_CLEANUP	T0608100473-S-7	1/16/2002	NA	NA	<200	NA	NA	NA
WB_CLEANUP	T0608100473-S-1	4/30/2002	NA	NA	<1000	NA	NA	NA
WB_CLEANUP	T0608100473-S-2	4/30/2002	NA	NA	<200	NA	NA	NA
WB_CLEANUP	T0608100473-S-3	4/30/2002	NA	NA	<200	NA	NA	NA
WB_CLEANUP	T0608100473-S-4	4/30/2002	NA	NA	<200	NA	NA	NA
WB_CLEANUP	T0608100473-S-6	4/30/2002	NA	NA	3100	NA	NA	NA
WB_CLEANUP	T0608100473-S-7	4/30/2002	NA	NA	<200	NA	NA	NA
WB_CLEANUP	T0608100473-S-1	10/14/2002	NA	NA	100	NA	NA	NA
WB_CLEANUP	T0608100473-S-3	10/14/2002	NA	NA	100	NA	NA	NA
WB_CLEANUP	T0608100473-S-6	10/14/2002	NA	NA	650	NA	NA	NA
WB_CLEANUP	T0608100473-S-1	10/18/2001	NA	NA	75	NA	NA	NA
WB_CLEANUP	T0608100473-S-2	10/18/2001	NA	NA	70	NA	NA	NA
WB_CLEANUP	T0608100473-S-3	10/18/2001	NA	NA	100	NA	NA	NA
WB_CLEANUP	T0608100473-S-4	10/18/2001	NA	NA	110	NA	NA	NA
WB_CLEANUP	T0608100473-S-6	10/18/2001	NA	NA	10000	NA	NA	NA
WB_CLEANUP	T0608100473-S-7	10/18/2001	NA	NA	120	NA	NA	NA
GAMA_USGS	HR-SC-01	3/28/2011	26.2	570	270	< 1.7	< 0.12	< 0.015
GAMA_USGS	HR-SC-01	8/18/2016	28.9	560	185	< 3	< 0.006	NA
GAMA_USGS	HR-SC-01	6/14/2021	30	590	198	< 3	< 0.006	0.224
GAMA_USGS	HR-SC-04	3/30/2011	38.8	140	4520	< 1.7	< 0.12	< 0.015
GAMA_USGS	HR-SC-07	4/4/2011	23.6	210	70	< 1.7	< 0.12	< 0.015
GAMA_USGS	HR-SC-20	5/2/2011	12.2	240	407	< 1.7	< 0.12	< 0.015
DWR	05S05W18N001M	10/21/1986	NA	200	NA	NA	NA	NA
DWR	05S05W19H001M	8/17/1978	NA	NA	0	NA	NA	NA
DWR	05S05W20E001M	5/23/1973	NA	NA	7200	NA	NA	NA
DWR	05S05W20E001M	6/18/1975	NA	NA	NA	NA	NA	0
DWR	05S05W29P001M	8/15/1974	NA	NA	10000	NA	NA	NA
DWR	05S05W29P001M	6/30/1976	NA	NA	NA	NA	NA	0
DWR	05S05W32D001M	5/23/1973	NA	NA	5900	NA	NA	NA
DWR	05S06W10H001M	8/12/1987	NA	500	NA	NA	NA	0
DWR	05S06W11E001M	8/15/1974	NA	NA	1500	NA	NA	0
DWR	05S06W14D001M	6/18/1975	NA	NA	70	NA	NA	NA
DWR	07S05W15B001M	6/7/1973	NA	NA	6300	NA	NA	NA
DWR	07S05W15B001M	6/18/1975	NA	NA	NA	NA	NA	0
DWR	08S05W09J001M	6/18/1975	NA	NA	NA	NA	NA	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DWR	08S05W10E001M	8/29/1974	NA	NA	NA	NA	NA	NA
DDW	CA4000777_001_001	6/17/2002	NA	NA	NA	NA	NA	NA
DDW	CA4000777_001_001	7/29/2014	NA	NA	NA	NA	NA	NA
DDW	CA4100510_001_001	12/8/2008	NA	NA	NA	NA	NA	NA
DDW	CA4100510_001_001	11/1/2011	NA	NA	NA	NA	NA	NA
DDW	CA4100510_001_001	12/27/2012	NA	NA	NA	NA	NA	NA
DDW	CA4100510_001_001	11/19/2013	NA	NA	NA	NA	NA	NA
DDW	CA4100510_001_001	12/17/2014	NA	NA	NA	NA	NA	NA
DDW	CA4100510_001_001	11/11/2015	NA	NA	NA	NA	NA	NA
DDW	CA4100510_001_001	10/19/2016	NA	NA	NA	NA	NA	NA
DDW	CA4100510_001_001	8/28/2017	NA	NA	NA	NA	NA	NA
DDW	CA4100510_001_001	10/4/2017	NA	NA	NA	NA	NA	NA
DDW	CA4100510_001_001	11/9/2018	NA	NA	NA	NA	NA	NA
DDW	CA4100510_001_001	3/1/2020	NA	NA	NA	NA	NA	NA
DDW	CA4100510_001_001	3/16/2021	NA	NA	NA	NA	NA	NA
DDW	CA4100510_001_001	9/21/2021	NA	NA	NA	NA	NA	NA
DDW	CA4100510_001_001	3/24/2022	NA	NA	NA	NA	NA	NA
DDW	CA4100510_001_001	3/14/2023	NA	NA	NA	NA	NA	NA
DDW	CA4100510_002_002	10/1/2007	NA	NA	NA	NA	NA	NA
DDW	CA4100510_002_002	4/1/2008	NA	NA	NA	NA	NA	NA
DDW	CA4100510_002_002	11/1/2011	NA	NA	NA	NA	NA	NA
DDW	CA4100510_002_002	12/27/2012	NA	NA	NA	NA	NA	NA
DDW	CA4100510_002_002	11/19/2013	NA	NA	NA	NA	NA	NA
DDW	CA4100510_002_002	12/17/2014	NA	NA	NA	NA	NA	NA
DDW	CA4100510_002_002	11/4/2015	NA	NA	NA	NA	NA	NA
DDW	CA4100510_002_002	10/19/2016	NA	NA	NA	NA	NA	NA
DDW	CA4100510_002_002	8/28/2017	NA	NA	NA	NA	NA	NA
DDW	CA4100510_002_002	10/2/2017	NA	NA	NA	NA	NA	NA
DDW	CA4100510_002_002	11/12/2018	NA	NA	NA	NA	NA	NA
DDW	CA4100510_002_002	3/1/2020	NA	NA	NA	NA	NA	NA
DDW	CA4100510_002_002	3/16/2021	NA	NA	NA	NA	NA	NA
DDW	CA4100510_002_002	9/29/2022	NA	NA	NA	NA	NA	NA
DDW	CA4100510_003_003	4/30/2015	NA	NA	NA	NA	NA	NA
DDW	CA4100510_003_003	6/6/2018	NA	NA	NA	NA	NA	NA
DDW	CA4100510_003_003	9/30/2022	NA	NA	NA	NA	NA	NA
DDW	CA4100513_003_003	1/25/2011	NA	NA	NA	NA	NA	NA
DDW	CA4100513_003_003	2/19/2014	NA	NA	NA	NA	NA	NA
DDW	CA4100513_003_003	6/21/2017	NA	NA	NA	NA	NA	NA
DDW	CA4100513_003_003	5/6/2020	NA	NA	NA	NA	NA	NA
DDW	CA4100513_003_003	4/6/2023	NA	NA	NA	NA	NA	NA
DDW	CA4100529_003_003	8/29/2012	NA	NA	NA	NA	NA	NA
DDW	CA4100529_003_003	11/20/2018	NA	NA	NA	NA	NA	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4100529_003_003	12/5/2018	NA	NA	NA	NA	NA	NA
DDW	CA4100533_003_003	1/26/2022	288	NA	NA	NA	NA	NA
DDW	CA4100533_003_003	1/12/2021	177	NA	NA	NA	NA	NA
DDW	CA4100533_003_003	4/13/2021	134	NA	< 400	NA	< 0	NA
DDW	CA4100533_003_003	7/14/2021	33.4	100	NA	< 15	NA	< 1
DDW	CA4100533_003_003	10/12/2021	502	NA	NA	NA	NA	NA
DDW	CA4100533_003_003	12/29/2021	NA	NA	< 400	NA	NA	NA
DDW	CA4100533_003_003	4/30/2020	NA	NA	160	NA	NA	NA
DDW	CA4100533_003_003	10/27/2020	148	NA	NA	NA	NA	NA
DDW	CA4100533_003_003	1/10/2019	140	NA	NA	NA	NA	NA
DDW	CA4100533_003_003	1/29/2018	< 100	NA	NA	NA	< 0	NA
DDW	CA4100533_003_003	4/29/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4100533_003_003	6/11/2018	250	NA	NA	NA	< 0	NA
DDW	CA4100533_003_003	7/12/2018	190	140	NA	100	NA	15
DDW	CA4100533_003_003	8/23/2018	NA	NA	< 400	NA	NA	NA
DDW	CA4100533_003_003	10/17/2018	180	NA	NA	NA	NA	NA
DDW	CA4100533_003_003	1/16/2017	680	NA	NA	NA	NA	NA
DDW	CA4100533_003_003	4/5/2017	400	NA	NA	NA	NA	NA
DDW	CA4100533_003_003	7/20/2017	1400	NA	< 400	NA	< 0	NA
DDW	CA4100533_003_003	10/25/2017	780	NA	NA	NA	< 0	NA
DDW	CA4100533_003_003	2/12/2016	250	NA	1900	NA	NA	NA
DDW	CA4100533_003_003	4/22/2016	120	NA	NA	NA	NA	NA
DDW	CA4100533_003_003	10/5/2016	400	NA	810	NA	NA	NA
DDW	CA4100533_003_003	3/11/2015	570	260	< 500	< 50	NA	< 5
DDW	CA4100533_003_003	1/29/2014	NA	NA	< 500	NA	NA	NA
DDW	CA4100533_003_003	9/11/2014	3100	NA	NA	NA	NA	NA
DDW	CA4100533_003_003	11/25/2014	2600	NA	NA	NA	NA	NA
DDW	CA4100533_003_003	3/27/2013	370	NA	1100	NA	NA	NA
DDW	CA4100533_003_003	6/26/2013	1300	NA	NA	NA	NA	NA
DDW	CA4100533_003_003	9/23/2013	2700	NA	NA	NA	NA	NA
DDW	CA4100533_003_003	12/12/2013	2700	NA	NA	NA	NA	NA
DDW	CA4100533_003_003	6/15/2012	400	NA	NA	NA	NA	NA
DDW	CA4100533_003_003	9/14/2012	2100	NA	NA	NA	NA	NA
DDW	CA4100533_003_003	3/30/2012	460	250	< 500	< 50	NA	< 5
DDW	CA4100533_003_003	11/17/2011	3000	NA	< 500	NA	NA	NA
DDW	CA4100533_003_003	2/2/2011	1500	190	NA	< 50	NA	< 5
DDW	CA4100533_003_003	4/15/2010	400	NA	NA	NA	NA	NA
DDW	CA4100533_003_003	6/2/2010	1300	NA	NA	NA	NA	NA
DDW	CA4100533_003_003	9/8/2010	3000	NA	NA	NA	NA	NA
DDW	CA4100533_003_003	11/15/2009	450	NA	NA	NA	NA	NA
DDW	CA4100533_003_003	11/23/2009	NA	NA	< 500	NA	NA	NA
DDW	CA4100533_003_003	11/20/2008	1300	NA	< 500	NA	NA	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4100533_003_003	3/28/2007	1600	NA	NA	NA	NA	NA
DDW	CA4100533_003_003	12/4/2007	1700	< 0	NA	< 50	< 0.005	NA
DDW	CA4100533_003_003	6/21/2002	1200	NA	NA	NA	NA	NA
DDW	CA4100533_003_003	10/22/2002	1200	NA	NA	NA	NA	NA
DDW	CA4100533_006_006	7/14/2021	NA	NA	< 400	NA	NA	NA
DDW	CA4100533_006_006	3/11/2021	NA	NA	NA	NA	< 0	NA
DDW	CA4100533_006_006	7/21/2020	41.8	< 100	< 100	< 5	NA	2.3
DDW	CA4100533_006_006	12/12/2012	NA	NA	540	NA	NA	NA
DDW	CA4100533_006_006	11/17/2011	< 100	130	< 500	< 50	NA	< 5
DDW	CA4100533_006_006	5/23/2011	NA	NA	NA	NA	NA	< 5
DDW	CA4100533_006_006	12/1/2010	NA	NA	< 500	NA	NA	NA
DDW	CA4100533_006_006	12/28/2010	< 100	160	< 500	< 50	NA	18
DDW	CA4100533_006_006	11/23/2009	NA	NA	< 500	NA	NA	NA
DDW	CA4100533_006_006	11/20/2008	110	< 0	140	23	NA	NA
DDW	CA4100533_006_006	6/21/2002	NA	NA	< 500	NA	NA	NA
DDW	CA4100533_008_008	7/14/2022	NA	NA	< 400	NA	NA	NA
DDW	CA4100533_008_008	10/20/2022	42	< 100	< 100	< 15	NA	< 1
DDW	CA4100533_008_008	7/14/2021	NA	NA	< 400	NA	NA	NA
DDW	CA4100533_008_008	4/13/2021	NA	NA	NA	NA	< 0	NA
DDW	CA4100533_008_008	7/8/2020	NA	NA	2300	NA	NA	NA
DDW	CA4100533_008_008	7/23/2019	NA	NA	1800	NA	NA	NA
DDW	CA4100533_008_008	10/3/2019	< 100	< 100	1300	< 50	NA	< 5
DDW	CA4100533_008_008	12/27/2018	NA	NA	< 400	NA	NA	NA
DDW	CA4100533_008_008	1/29/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4100533_008_008	4/29/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4100533_008_008	7/20/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4100533_008_008	3/6/2017	NA	NA	580	NA	NA	NA
DDW	CA4100533_008_008	7/20/2017	NA	NA	NA	NA	< 0	NA
DDW	CA4100533_008_008	10/25/2017	NA	NA	NA	NA	< 0	NA
DDW	CA4100533_008_008	2/12/2016	NA	NA	600	NA	NA	NA
DDW	CA4100533_008_008	10/31/2016	< 100	160	< 400	< 50	NA	< 5
DDW	CA4100533_008_008	3/11/2015	< 100	160	< 500	< 50	NA	< 5
DDW	CA4100533_008_008	12/28/2014	NA	NA	< 500	NA	NA	NA
DDW	CA4100533_008_008	4/10/2013	NA	NA	< 500	NA	NA	NA
DDW	CA4100533_008_008	3/30/2012	< 100	160	NA	< 50	NA	< 5
DDW	CA4100533_008_008	4/9/2012	NA	NA	< 500	NA	NA	NA
DDW	CA4100533_008_008	11/17/2011	NA	NA	< 500	NA	NA	NA
DDW	CA4100533_008_008	12/1/2010	NA	NA	< 500	NA	NA	NA
DDW	CA4100533_008_008	12/28/2010	< 100	190	< 500	< 50	NA	< 5
DDW	CA4100533_008_008	11/23/2009	NA	NA	< 500	NA	NA	NA
DDW	CA4100533_008_008	11/20/2008	NA	NA	220	NA	NA	NA
DDW	CA4100533_008_008	12/4/2007	77	< 0	NA	< 50	< 0.005	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4100537_001_001	1/23/2014	NA	430	NA	NA	NA	NA
DDW	CA4100538_004_004	8/2/2010	NA	NA	NA	NA	NA	NA
DDW	CA4100538_004_004	8/13/2013	NA	NA	NA	NA	NA	NA
DDW	CA4100538_004_004	10/17/2016	NA	NA	NA	NA	NA	NA
DDW	CA4100538_004_004	10/8/2019	NA	NA	NA	NA	NA	NA
DDW	CA4100538_004_004	11/28/2022	NA	NA	NA	NA	NA	NA
DDW	CA4100540_005_005	6/7/2011	NA	NA	NA	NA	NA	NA
DDW	CA4100540_005_005	2/24/2015	NA	NA	NA	NA	NA	NA
DDW	CA4100540_005_005	12/16/2018	NA	NA	NA	NA	NA	NA
DDW	CA4100540_005_005	6/2/2022	NA	NA	NA	NA	NA	NA
DDW	CA4100551_008_008	8/13/2013	NA	NA	NA	NA	NA	NA
DDW	CA4100551_008_008	8/17/2016	NA	NA	NA	NA	NA	NA
DDW	CA4100551_008_008	6/4/2019	NA	NA	NA	NA	NA	NA
DDW	CA4100551_008_008	6/28/2022	NA	NA	NA	NA	NA	NA
DDW	CA4100559_002_002	10/10/2013	NA	NA	NA	NA	NA	NA
DDW	CA4100566_002_002	1/10/2013	13	320	290	190	NA	< 0.2
DDW	CA4100566_002_002	11/7/2018	NA	NA	330	NA	NA	NA
DDW	CA4100566_002_002	2/14/2022	NA	NA	470	NA	NA	NA
DDW	CA4100582_001_001	11/15/2007	NA	NA	NA	NA	NA	NA
DDW	CA4100582_001_001	1/25/2012	NA	NA	NA	NA	NA	NA
DDW	CA4100582_001_001	7/15/2015	NA	NA	NA	NA	NA	NA
DDW	CA4100582_001_001	7/10/2018	NA	NA	NA	NA	NA	NA
DDW	CA4100582_001_001	7/8/2021	NA	NA	NA	NA	NA	NA
DDW	CA4100582_002_002	1/25/2012	NA	NA	NA	NA	NA	NA
DDW	CA4100582_002_002	7/8/2021	NA	NA	NA	NA	NA	NA
DDW	CA4100582_004_004	10/25/2017	NA	NA	NA	NA	NA	NA
DDW	CA4100582_004_004	8/28/2018	NA	NA	NA	NA	NA	NA
DDW	CA4100582_004_004	12/4/2018	NA	NA	NA	NA	NA	NA
DDW	CA4100582_004_004	8/26/2021	NA	NA	NA	NA	NA	NA
DDW	CA4100583_001_001	8/1/2005	NA	NA	NA	NA	NA	NA
DDW	CA4100583_001_001	8/4/2008	NA	NA	NA	NA	NA	NA
DDW	CA4100583_001_001	7/17/2011	NA	NA	NA	NA	NA	NA
DDW	CA4100583_001_001	11/16/2011	NA	NA	NA	NA	NA	NA
DDW	CA4100583_002_002	7/14/2014	NA	NA	NA	NA	NA	NA
DDW	CA4100583_002_002	7/11/2017	NA	NA	NA	NA	NA	NA
DDW	CA4100583_002_002	7/15/2020	NA	NA	NA	NA	NA	NA
DDW	CA4110010_001_001	1/10/2023	NA	NA	6400	NA	NA	NA
DDW	CA4110010_001_001	2/8/2023	NA	NA	6900	NA	NA	NA
DDW	CA4110010_001_001	3/15/2023	NA	NA	9600	NA	NA	NA
DDW	CA4110010_001_001	4/10/2023	NA	NA	7700	NA	NA	NA
DDW	CA4110010_001_001	5/9/2023	NA	NA	7700	NA	NA	NA
DDW	CA4110010_001_001	1/18/2022	NA	NA	5600	NA	NA	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_001_001	3/16/2022	NA	NA	8200	NA	NA	NA
DDW	CA4110010_001_001	4/5/2022	NA	NA	7100	NA	NA	NA
DDW	CA4110010_001_001	5/3/2022	NA	NA	6800	NA	NA	NA
DDW	CA4110010_001_001	6/1/2022	NA	NA	7400	NA	NA	NA
DDW	CA4110010_001_001	7/11/2022	NA	NA	6300	NA	NA	NA
DDW	CA4110010_001_001	8/8/2022	NA	NA	6800	NA	NA	NA
DDW	CA4110010_001_001	10/5/2022	NA	NA	7000	NA	NA	NA
DDW	CA4110010_001_001	11/7/2022	NA	NA	6300	NA	NA	NA
DDW	CA4110010_001_001	12/5/2022	NA	NA	5500	NA	NA	NA
DDW	CA4110010_001_001	1/5/2021	NA	NA	5400	NA	NA	NA
DDW	CA4110010_001_001	2/9/2021	NA	NA	5700	NA	NA	NA
DDW	CA4110010_001_001	3/16/2021	NA	NA	6100	NA	NA	NA
DDW	CA4110010_001_001	4/13/2021	NA	NA	6900	NA	NA	NA
DDW	CA4110010_001_001	5/19/2021	NA	NA	6700	NA	NA	NA
DDW	CA4110010_001_001	6/9/2021	NA	NA	11000	NA	NA	NA
DDW	CA4110010_001_001	7/15/2021	NA	NA	13000	NA	NA	NA
DDW	CA4110010_001_001	8/10/2021	< 50	420	6200	< 50	NA	< 1
DDW	CA4110010_001_001	9/8/2021	NA	NA	6900	NA	NA	NA
DDW	CA4110010_001_001	10/14/2021	NA	NA	10000	NA	NA	NA
DDW	CA4110010_001_001	11/23/2021	NA	NA	8000	NA	NA	NA
DDW	CA4110010_001_001	12/14/2021	NA	NA	6700	NA	NA	NA
DDW	CA4110010_001_001	2/12/2020	NA	NA	8800	NA	NA	NA
DDW	CA4110010_001_001	7/14/2020	NA	NA	9800	NA	NA	NA
DDW	CA4110010_001_001	7/21/2020	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_001_001	8/11/2020	NA	NA	8900	NA	NA	NA
DDW	CA4110010_001_001		NA	NA	NA	NA	NA	NA
DDW	CA4110010_001_001	9/17/2020	NA	NA	6300	NA	NA	NA
DDW	CA4110010_001_001	11/12/2020	NA	NA	5200	NA	NA	NA
DDW	CA4110010_001_001	11/16/2020	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_001_001	12/15/2020	NA	NA	5400	NA	NA	NA
DDW	CA4110010_001_001	12/26/2019	NA	NA	8800	NA	NA	NA
DDW	CA4110010_001_001	3/11/2019	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_001_001	4/16/2019	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_001_001	8/14/2019	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_001_001	10/15/2019	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_001_001	1/31/2018	NA	NA	9400	NA	< 0	NA
DDW	CA4110010_001_001	4/26/2018	NA	NA	9500	NA	< 0	NA
DDW	CA4110010_001_001	7/23/2018	< 100	250	10000	< 50	< 0	< 5
DDW	CA4110010_001_001	1/25/2017	NA	NA	9100	NA	< 0	NA
DDW	CA4110010_001_001	12/27/2017	NA	NA	9400	NA	NA	NA
DDW	CA4110010_001_001	4/11/2017	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_001_001	7/20/2017	NA	NA	NA	NA	< 0	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_001_001	11/8/2017	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_001_001	3/14/2016	NA	NA	9000	NA	< 0	NA
DDW	CA4110010_001_001	5/31/2016	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_001_001	8/24/2016	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_001_001	11/7/2016	NA	NA	9500	NA	< 0	NA
DDW	CA4110010_001_001	3/9/2015	NA	NA	9300	NA	NA	NA
DDW	CA4110010_001_001	3/3/2015	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_001_001	5/19/2015	NA	NA	9700	NA	< 0	NA
DDW	CA4110010_001_001	8/17/2015	< 100	200	8100	< 50	< 0	< 5
DDW	CA4110010_001_001	11/9/2015	NA	NA	9400	NA	< 0	NA
DDW	CA4110010_001_001	3/18/2014	NA	NA	8800	NA	< 0	NA
DDW	CA4110010_001_001	5/12/2014	NA	NA	8600	NA	< 0	NA
DDW	CA4110010_001_001	8/27/2014	NA	NA	9000	NA	< 0	NA
DDW	CA4110010_001_001	12/8/2014	NA	NA	8800	NA	< 0	NA
DDW	CA4110010_001_001	5/22/2013	NA	NA	11000	NA	< 0	NA
DDW	CA4110010_001_001	8/29/2013	NA	NA	9700	NA	< 0	NA
DDW	CA4110010_001_001	12/11/2013	NA	NA	9300	NA	< 0	NA
DDW	CA4110010_001_001	1/9/2012	NA	NA	9900	NA	NA	NA
DDW	CA4110010_001_001	2/14/2012	NA	NA	9700	NA	NA	NA
DDW	CA4110010_001_001	3/5/2012	NA	NA	9500	NA	NA	NA
DDW	CA4110010_001_001	4/17/2012	NA	NA	9700	NA	NA	NA
DDW	CA4110010_001_001	5/21/2012	NA	NA	10000	NA	NA	NA
DDW	CA4110010_001_001	6/12/2012	NA	NA	11000	NA	NA	NA
DDW	CA4110010_001_001	7/9/2012	NA	NA	11000	NA	NA	NA
DDW	CA4110010_001_001	8/14/2012	< 100	240	12000	< 50	NA	< 5
DDW	CA4110010_001_001	1/4/2011	NA	NA	10000	NA	NA	NA
DDW	CA4110010_001_001	3/1/2011	NA	NA	11000	NA	NA	NA
DDW	CA4110010_001_001	4/6/2011	NA	NA	11000	NA	NA	NA
DDW	CA4110010_001_001	5/18/2011	NA	NA	11000	NA	< 0	NA
DDW	CA4110010_001_001	6/8/2011	NA	NA	12000	NA	NA	NA
DDW	CA4110010_001_001	7/6/2011	NA	NA	9700	NA	NA	NA
DDW	CA4110010_001_001	8/17/2011	NA	NA	11000	NA	NA	NA
DDW	CA4110010_001_001	9/12/2011	NA	NA	11000	NA	NA	NA
DDW	CA4110010_001_001	10/11/2011	NA	NA	11000	NA	NA	NA
DDW	CA4110010_001_001	11/2/2011	NA	NA	10000	NA	NA	NA
DDW	CA4110010_001_001	8/30/2011	NA	NA	NA	NA	0.005	NA
DDW	CA4110010_001_001	1/5/2010	NA	NA	9300	NA	NA	NA
DDW	CA4110010_001_001	2/1/2010	NA	NA	8400	NA	NA	NA
DDW	CA4110010_001_001	4/6/2010	NA	NA	9700	NA	NA	NA
DDW	CA4110010_001_001	5/4/2010	NA	NA	9900	NA	NA	NA
DDW	CA4110010_001_001	6/15/2010	NA	NA	11000	NA	NA	NA
DDW	CA4110010_001_001	7/6/2010	NA	NA	10000	NA	NA	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_001_001	8/2/2010	NA	NA	9900	NA	NA	NA
DDW	CA4110010_001_001	9/7/2010	NA	NA	11000	NA	NA	NA
DDW	CA4110010_001_001	10/4/2010	NA	NA	9700	NA	NA	NA
DDW	CA4110010_001_001	11/9/2010	NA	NA	9900	NA	0.006	NA
DDW	CA4110010_001_001	12/7/2010	NA	NA	9900	NA	NA	NA
DDW	CA4110010_001_001	2/26/2009	NA	NA	7200	NA	NA	NA
DDW	CA4110010_001_001	5/27/2009	NA	NA	9500	NA	NA	NA
DDW	CA4110010_001_001	8/25/2009	< 100	580	10000	< 50	NA	< 5
DDW	CA4110010_001_001	9/1/2009	NA	NA	9900	NA	NA	NA
DDW	CA4110010_001_001	10/29/2009	NA	NA	9700	NA	NA	NA
DDW	CA4110010_001_001	11/3/2009	NA	NA	9700	NA	NA	NA
DDW	CA4110010_001_001	12/3/2009	NA	NA	9300	NA	NA	NA
DDW	CA4110010_001_001	2/25/2008	NA	NA	8800	NA	NA	NA
DDW	CA4110010_001_001	6/12/2008	NA	NA	8100	NA	NA	NA
DDW	CA4110010_001_001	9/22/2008	NA	NA	8400	NA	< 0.005	NA
DDW	CA4110010_001_001	12/8/2008	NA	NA	9000	NA	NA	NA
DDW	CA4110010_001_001	3/14/2007	NA	NA	7200	NA	NA	NA
DDW	CA4110010_001_001	5/9/2007	NA	NA	7500	NA	NA	NA
DDW	CA4110010_001_001	8/16/2007	NA	NA	7900	NA	NA	NA
DDW	CA4110010_001_001	10/30/2007	NA	NA	7700	NA	NA	NA
DDW	CA4110010_001_001	6/14/2006	NA	NA	7500	NA	NA	NA
DDW	CA4110010_001_001	9/20/2006	< 100	800	7900	< 50	NA	< 5
DDW	CA4110010_001_001	12/12/2006	NA	NA	7900	NA	NA	NA
DDW	CA4110010_001_001	1/10/2005	NA	NA	7200	NA	NA	NA
DDW	CA4110010_001_001	1/31/2005	NA	NA	7200	NA	NA	NA
DDW	CA4110010_001_001	2/8/2005	NA	NA	7900	NA	NA	NA
DDW	CA4110010_001_001	3/8/2005	NA	NA	8600	NA	NA	NA
DDW	CA4110010_001_001	3/23/2005	NA	NA	6300	NA	NA	NA
DDW	CA4110010_001_001	4/12/2005	NA	NA	7700	NA	NA	NA
DDW	CA4110010_001_001	5/17/2005	NA	NA	6300	NA	NA	NA
DDW	CA4110010_001_001	6/7/2005	NA	NA	7200	NA	NA	NA
DDW	CA4110010_001_001	7/11/2005	NA	NA	7200	NA	NA	NA
DDW	CA4110010_001_001	7/18/2005	NA	NA	7200	NA	NA	NA
DDW	CA4110010_001_001	8/2/2005	NA	NA	7200	NA	NA	NA
DDW	CA4110010_001_001	9/13/2005	NA	NA	7200	NA	< 0.005	NA
DDW	CA4110010_001_001	10/12/2005	NA	NA	7200	NA	NA	NA
DDW	CA4110010_001_001	11/8/2005	NA	NA	7200	NA	NA	NA
DDW	CA4110010_001_001	1/6/2004	NA	NA	6800	NA	NA	NA
DDW	CA4110010_001_001	1/8/2004	NA	NA	NA	NA	0.009	NA
DDW	CA4110010_001_001	2/10/2004	NA	NA	7000	NA	NA	NA
DDW	CA4110010_001_001	3/9/2004	NA	NA	7000	NA	NA	NA
DDW	CA4110010_001_001	4/6/2004	NA	NA	7200	NA	NA	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_001_001	4/12/2004	NA	NA	7500	NA	NA	NA
DDW	CA4110010_001_001	4/19/2004	NA	NA	7200	NA	NA	NA
DDW	CA4110010_001_001	4/26/2004	NA	NA	7200	NA	NA	NA
DDW	CA4110010_001_001	5/3/2004	NA	NA	7000	NA	NA	NA
DDW	CA4110010_001_001	5/10/2004	NA	NA	7000	NA	NA	NA
DDW	CA4110010_001_001	5/17/2004	NA	NA	7000	NA	NA	NA
DDW	CA4110010_001_001	5/24/2004	NA	NA	7200	NA	NA	NA
DDW	CA4110010_001_001	6/1/2004	NA	NA	7000	NA	NA	NA
DDW	CA4110010_001_001	6/7/2004	NA	NA	6600	NA	0.009	NA
DDW	CA4110010_001_001	6/14/2004	NA	NA	7200	NA	0.01	NA
DDW	CA4110010_001_001	6/21/2004	NA	NA	7000	NA	NA	NA
DDW	CA4110010_001_001	6/28/2004	NA	NA	7200	NA	0.01	NA
DDW	CA4110010_001_001	6/16/2004	NA	NA	NA	NA	0.01	NA
DDW	CA4110010_001_001	6/23/2004	NA	NA	NA	NA	0.01	NA
DDW	CA4110010_001_001	7/6/2004	NA	NA	7200	NA	NA	NA
DDW	CA4110010_001_001	7/12/2004	NA	NA	7200	NA	NA	NA
DDW	CA4110010_001_001	7/19/2004	NA	NA	7000	NA	NA	NA
DDW	CA4110010_001_001	7/26/2004	NA	NA	7200	NA	NA	NA
DDW	CA4110010_001_001	8/2/2004	NA	NA	7200	NA	NA	NA
DDW	CA4110010_001_001	8/9/2004	NA	NA	7500	NA	0.01	NA
DDW	CA4110010_001_001	8/16/2004	NA	NA	7200	NA	NA	NA
DDW	CA4110010_001_001	8/30/2004	NA	NA	7000	NA	NA	NA
DDW	CA4110010_001_001	8/9/2004	NA	NA	7500	NA	0.01	NA
DDW	CA4110010_001_001	8/11/2004	NA	NA	NA	NA	0.01	NA
DDW	CA4110010_001_001	8/17/2004	NA	NA	NA	NA	0.009	NA
DDW	CA4110010_001_001	8/19/2004	NA	NA	NA	NA	0.009	NA
DDW	CA4110010_001_001	9/8/2004	NA	NA	6800	NA	NA	NA
DDW	CA4110010_001_001	9/13/2004	NA	NA	7000	NA	NA	NA
DDW	CA4110010_001_001	9/20/2004	NA	NA	7000	NA	NA	NA
DDW	CA4110010_001_001	9/27/2004	NA	NA	7000	NA	NA	NA
DDW	CA4110010_001_001	9/15/2004	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_001_001	10/4/2004	NA	NA	7000	NA	NA	NA
DDW	CA4110010_001_001	11/16/2004	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_001_001	11/29/2004	NA	NA	700	NA	NA	NA
DDW	CA4110010_001_001	11/9/2004	NA	NA	1000	NA	0.01	NA
DDW	CA4110010_001_001	11/11/2004	NA	NA	NA	NA	0.01	NA
DDW	CA4110010_001_001	12/6/2004	NA	NA	700	NA	NA	NA
DDW	CA4110010_001_001	12/14/2004	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_001_001	12/20/2004	NA	NA	7000	NA	NA	NA
DDW	CA4110010_001_001	1/27/2003	NA	NA	6569	NA	NA	NA
DDW	CA4110010_001_001	2/19/2003	NA	NA	6600	NA	NA	NA
DDW	CA4110010_001_001	3/12/2003	NA	NA	6300	NA	NA	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_001_001	3/19/2003	NA	NA	6300	NA	NA	NA
DDW	CA4110010_001_001	4/9/2003	NA	NA	6300	NA	NA	NA
DDW	CA4110010_001_001	5/19/2003	NA	NA	6600	NA	NA	NA
DDW	CA4110010_001_001	6/16/2003	NA	NA	7900	NA	NA	NA
DDW	CA4110010_001_001	7/22/2003	NA	NA	6300	NA	NA	NA
DDW	CA4110010_001_001	8/19/2003	NA	NA	6600	NA	NA	NA
DDW	CA4110010_001_001	9/10/2003	NA	NA	6300	NA	NA	NA
DDW	CA4110010_001_001	9/17/2003	< 100	800	6600	< 50	NA	< 5
DDW	CA4110010_001_001	10/15/2003	NA	NA	6300	NA	NA	NA
DDW	CA4110010_001_001	11/12/2003	NA	NA	6100	NA	NA	NA
DDW	CA4110010_001_001	12/16/2003	NA	NA	6600	NA	NA	NA
DDW	CA4110010_001_001	12/18/2003	NA	NA	NA	NA	0.009	NA
DDW	CA4110010_001_001	12/30/2003	NA	NA	NA	NA	0.01	NA
DDW	CA4110010_001_001	2/27/2002	NA	NA	NA	NA	0.009	NA
DDW	CA4110010_001_001	3/27/2002	NA	NA	7000	NA	NA	NA
DDW	CA4110010_001_001	5/15/2002	NA	NA	6800	NA	NA	NA
DDW	CA4110010_001_001	6/12/2002	NA	NA	2000	NA	NA	NA
DDW	CA4110010_001_001	6/19/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_001_001	6/27/2002	NA	NA	6100	NA	NA	NA
DDW	CA4110010_001_001	7/10/2002	NA	NA	6800	NA	NA	NA
DDW	CA4110010_001_001	7/25/2002	NA	NA	NA	NA	0.01	NA
DDW	CA4110010_001_001	8/7/2002	NA	NA	7000	NA	NA	NA
DDW	CA4110010_001_001	9/9/2002	NA	NA	6300	NA	NA	NA
DDW	CA4110010_001_001	9/24/2002	< 100	NA	6300	60	< 0.005	< 5
DDW	CA4110010_001_001	10/17/2002	NA	NA	6800	NA	NA	NA
DDW	CA4110010_001_001	3/15/2001	NA	NA	8100	NA	NA	NA
DDW	CA4110010_001_001	9/27/2001	NA	NA	6600	NA	NA	NA
DDW	CA4110010_001_001	12/18/2001	NA	NA	7200	NA	NA	NA
DDW	CA4110010_001_001	2/28/2000	NA	NA	6800	NA	NA	NA
DDW	CA4110010_001_001	6/21/2000	NA	NA	2000	NA	NA	NA
DDW	CA4110010_001_001	7/31/2000	NA	NA	6600	NA	NA	NA
DDW	CA4110010_001_001	9/12/2000	NA	NA	6100	NA	NA	NA
DDW	CA4110010_001_001	12/7/2000	NA	NA	7000	NA	NA	NA
DDW	CA4110010_001_001	1/7/1999	NA	NA	8100	NA	NA	NA
DDW	CA4110010_001_001	3/10/1999	NA	NA	3400	NA	< 0.005	NA
DDW	CA4110010_001_001	3/10/1999	NA	NA	3400	NA	< 0.005	NA
DDW	CA4110010_001_001	6/22/1999	NA	NA	6100	NA	NA	NA
DDW	CA4110010_001_001	8/25/1999	< 100	< 0	6600	< 50	NA	< 5
DDW	CA4110010_001_001	12/1/1999	NA	NA	6600	NA	NA	NA
DDW	CA4110010_001_001	3/11/1998	NA	NA	5200	NA	NA	NA
DDW	CA4110010_001_001	5/20/1998	NA	NA	7000	NA	NA	NA
DDW	CA4110010_001_001	8/6/1998	NA	NA	5900	NA	NA	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_001_001	12/9/1997	NA	NA	8100	NA	NA	NA
DDW	CA4110010_001_001	8/26/1991	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_001_001	3/23/1993	< 100	280	7700	100	NA	< 5
DDW	CA4110010_001_001	9/28/1993	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_001_001	12/21/1993	NA	NA	5600	NA	NA	NA
DDW	CA4110010_001_001	9/12/1995	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_001_001	12/14/1995	NA	NA	5000	NA	NA	NA
DDW	CA4110010_001_001	12/19/1996	< 100	< 0	7700	< 50	NA	< 5
DDW	CA4110010_003_003	5/8/1984	< 100	460	900	NA	NA	< 5
DDW	CA4110010_003_003	3/10/1987	< 100	640	470	NA	NA	< 5
DDW	CA4110010_003_003	9/28/1993	< 100	560	500	< 50	< 0.005	< 5
DDW	CA4110010_003_003	12/21/1993	NA	NA	470	NA	NA	NA
DDW	CA4110010_003_003	12/14/1995	NA	NA	840	NA	NA	NA
DDW	CA4110010_003_003	12/19/1996	< 100	< 0	< 500	< 50	NA	< 5
DDW	CA4110010_003_003	12/9/1997	NA	NA	500	NA	NA	NA
DDW	CA4110010_003_003	10/28/1998	NA	NA	700	NA	NA	NA
DDW	CA4110010_003_003	12/1/1999	< 100	600	700	< 50	< 0.005	< 5
DDW	CA4110010_003_003	12/7/2000	NA	NA	500	NA	< 0.005	NA
DDW	CA4110010_003_003	12/5/2002	< 100	NA	500	130	< 0.005	< 5
DDW	CA4110010_003_003	12/16/2003	NA	NA	500	NA	NA	NA
DDW	CA4110010_003_003	9/16/2004	NA	NA	500	NA	< 0.005	NA
DDW	CA4110010_003_003	9/21/2005	NA	NA	500	NA	NA	NA
DDW	CA4110010_003_003	10/5/2005	NA	NA	500	NA	NA	NA
DDW	CA4110010_003_003	12/14/2005	< 100	700	500	< 50	NA	< 5
DDW	CA4110010_003_003	12/26/2006	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_003_003	10/18/2007	NA	NA	470	NA	NA	NA
DDW	CA4110010_003_003	12/8/2008	< 100	680	< 500	< 50	NA	< 5
DDW	CA4110010_003_003	2/10/2010	NA	NA	500	NA	NA	NA
DDW	CA4110010_003_003	11/9/2010	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_003_003	11/29/2011	< 100	720	< 500	< 50	NA	< 5
DDW	CA4110010_003_003	12/4/2012	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_003_003	12/9/2013	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_003_003	12/8/2014	< 100	650	< 500	< 50	NA	< 5
DDW	CA4110010_003_003	11/9/2015	NA	NA	< 400	NA	NA	NA
DDW	CA4110010_003_003	11/7/2016	NA	NA	< 400	NA	NA	NA
DDW	CA4110010_003_003	11/8/2017	< 100	650	NA	< 50	< 0	< 5
DDW	CA4110010_003_003	11/15/2017	NA	NA	< 400	NA	NA	NA
DDW	CA4110010_003_003	11/13/2018	NA	NA	< 400	NA	< 0	NA
DDW	CA4110010_003_003	10/16/2019	NA	NA	< 400	NA	NA	NA
DDW	CA4110010_003_003	11/16/2020	< 100	650	< 400	< 50	NA	< 5
DDW	CA4110010_003_003	11/23/2021	NA	NA	< 400	NA	NA	NA
DDW	CA4110010_003_003	12/5/2022	NA	NA	280	NA	NA	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_003_003	6/21/1989	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	9/28/1989	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	12/21/1989	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	8/27/1991	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	9/12/1995	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	1/19/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	3/25/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	5/25/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	6/22/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	7/22/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	8/25/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	9/23/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	10/27/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	11/17/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	1/19/2000	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	3/22/2000	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	4/24/2000	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	5/18/2000	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	6/20/2000	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	7/19/2000	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	8/24/2000	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	9/12/2000	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	10/26/2000	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	11/21/2000	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	1/17/2001	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	2/22/2001	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	3/15/2001	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	4/18/2001	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	5/10/2001	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	6/27/2001	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	7/17/2001	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	8/26/2001	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	9/13/2001	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	10/30/2001	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	11/13/2001	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	10/24/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	11/11/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	12/3/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	1/14/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	1/23/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	2/17/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	2/26/2003	NA	NA	NA	NA	< 0.005	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_003_003	4/9/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	5/19/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	6/16/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	7/21/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	7/22/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	8/12/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	9/10/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	10/22/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	11/12/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	12/15/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	1/20/2004	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	2/9/2004	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	3/4/2004	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	4/6/2004	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	5/4/2004	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	6/7/2004	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	7/6/2004	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	8/9/2004	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	12/6/2004	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	6/15/2005	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	9/13/2005	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	6/12/2008	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	7/14/2008	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	3/22/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_003_003	4/26/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_003_003	7/23/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_003_003	8/10/2021	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_003_003	10/26/2021	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_007_007	5/8/1984	< 100	250	75	NA	NA	< 5
DDW	CA4110010_007_007	3/10/1987	< 100	640	< 500	NA	NA	< 5
DDW	CA4110010_007_007	9/28/1993	< 100	300	< 500	< 50	< 0.005	< 5
DDW	CA4110010_007_007	12/21/1993	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_007_007	12/14/1995	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_007_007	12/19/1996	< 100	< 0	< 500	< 50	NA	< 5
DDW	CA4110010_007_007	12/9/1997	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_007_007	7/25/1989	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_007_007	9/28/1989	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_007_007	10/17/1989	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_007_007	10/18/1989	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_007_007	12/21/1989	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_007_007	8/27/1991	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_007_007	9/12/1995	NA	NA	NA	NA	< 0.005	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_007_007	12/8/2008	NA	NA	NA	NA	NA	NA
DDW	CA4110010_007_007		NA	NA	NA	NA	NA	NA
DDW	CA4110010_007_007	11/29/2011	NA	NA	NA	NA	NA	NA
DDW	CA4110010_007_007	12/8/2014	NA	NA	NA	NA	NA	NA
DDW	CA4110010_007_007	11/8/2017	NA	NA	NA	NA	NA	NA
DDW	CA4110010_007_007	11/16/2020	NA	NA	NA	NA	NA	NA
DDW	CA4110010_007_007	12/1/1999	NA	NA	NA	NA	NA	NA
DDW	CA4110010_007_007	12/7/2000	NA	NA	NA	NA	NA	NA
DDW	CA4110010_007_007	12/5/2002	NA	NA	NA	NA	NA	NA
DDW	CA4110010_007_007	1/14/2003	NA	NA	NA	NA	NA	NA
DDW	CA4110010_007_007	9/16/2004	NA	NA	NA	NA	NA	NA
DDW	CA4110010_007_007	12/14/2005	NA	NA	NA	NA	NA	NA
DDW	CA4110010_007_007	11/13/2018	NA	NA	NA	NA	NA	NA
DDW	CA4110010_008_008	8/27/1991	< 100	610	2100	140	< 0.005	< 5
DDW	CA4110010_008_008	12/21/1993	NA	NA	1400	NA	NA	NA
DDW	CA4110010_008_008	9/22/1994	< 100	< 0	1700	< 50	NA	< 5
DDW	CA4110010_008_008	12/14/1995	NA	NA	1800	NA	NA	NA
DDW	CA4110010_008_008	12/19/1996	NA	NA	2500	NA	NA	NA
DDW	CA4110010_008_008	12/9/1997	< 100	600	2000	< 50	NA	< 5
DDW	CA4110010_008_008	10/28/1998	NA	NA	2000	NA	NA	NA
DDW	CA4110010_008_008	12/1/1999	NA	NA	2000	NA	NA	NA
DDW	CA4110010_008_008	12/7/2000	< 100	800	2000	180	NA	< 5
DDW	CA4110010_008_008	12/18/2001	NA	NA	2000	NA	NA	NA
DDW	CA4110010_008_008	12/15/2003	< 100	800	2000	< 50	NA	< 5
DDW	CA4110010_008_008	12/16/2003	NA	NA	2000	NA	NA	NA
DDW	CA4110010_008_008	9/16/2004	NA	NA	2000	NA	< 0.005	NA
DDW	CA4110010_008_008	9/21/2005	NA	NA	2000	NA	NA	NA
DDW	CA4110010_008_008	10/5/2005	NA	NA	2000	NA	NA	NA
DDW	CA4110010_008_008	10/18/2007	NA	NA	1800	NA	NA	NA
DDW	CA4110010_008_008	2/25/2008	< 100	900	1800	< 50	NA	< 5
DDW	CA4110010_008_008	12/8/2008	NA	NA	2000	NA	NA	NA
DDW	CA4110010_008_008	11/3/2009	NA	NA	1700	NA	NA	NA
DDW	CA4110010_008_008	11/9/2010	NA	NA	1000	NA	NA	NA
DDW	CA4110010_008_008	2/2/2011	< 100	770	1900	< 50	NA	< 5
DDW	CA4110010_008_008	11/29/2011	NA	NA	2000	NA	NA	NA
DDW	CA4110010_008_008	12/4/2012	NA	NA	2000	NA	NA	NA
DDW	CA4110010_008_008	12/9/2013	NA	NA	1600	NA	NA	NA
DDW	CA4110010_008_008	3/18/2014	< 100	780	1800	< 50	NA	< 5
DDW	CA4110010_008_008	12/9/2014	NA	NA	610	NA	NA	NA
DDW	CA4110010_008_008	11/23/2015	NA	NA	2500	NA	NA	NA
DDW	CA4110010_008_008	11/7/2016	NA	NA	1700	NA	NA	NA
DDW	CA4110010_008_008	1/25/2017	< 100	540	1400	59	NA	< 5

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_008_008	11/15/2017	NA	NA	950	NA	NA	NA
DDW	CA4110010_008_008	11/13/2018	NA	NA	2200	NA	< 0	NA
DDW	CA4110010_008_008	10/16/2019	NA	NA	2100	NA	NA	NA
DDW	CA4110010_008_008	2/12/2020	< 100	590	2400	< 50	NA	< 5
DDW	CA4110010_008_008	11/12/2020	NA	NA	2400	NA	NA	NA
DDW	CA4110010_008_008	11/22/2021	NA	NA	3400	NA	NA	NA
DDW	CA4110010_008_008	12/5/2022	NA	NA	3100	NA	NA	NA
DDW	CA4110010_008_008	2/13/2023	< 50	590	3300	< 50	NA	< 1
DDW	CA4110010_008_008	12/10/1991	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_008_008	5/12/1992	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_008_008	6/23/1992	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_008_008	9/28/1993	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_008_008	9/12/1995	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_008_008	3/10/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_008_008	2/27/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_008_008	7/25/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_008_008	7/21/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_008_008	9/13/2005	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_008_008	9/17/2008	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_008_008	3/22/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_008_008	4/26/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_008_008	7/23/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_008_008	8/10/2021	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_008_008	10/26/2021	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_008_008	6/30/2022	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_008_008	9/12/2022	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_009_009	6/18/1991	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_009_009	8/27/1991	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_009_009	12/10/1991	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_009_009	5/20/1992	< 100	1500	1200	< 50	NA	< 5
DDW	CA4110010_009_009	9/28/1993	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_009_009	12/21/1993	NA	NA	1800	NA	NA	NA
DDW	CA4110010_009_009	3/28/1995	< 100	< 0	700	730	NA	13
DDW	CA4110010_009_009	9/12/1995	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_009_009	12/14/1995	NA	NA	1800	NA	NA	NA
DDW	CA4110010_009_009	12/27/1995	NA	NA	2300	NA	NA	NA
DDW	CA4110010_009_009	12/19/1996	NA	NA	2200	NA	NA	NA
DDW	CA4110010_009_009	12/9/1997	NA	NA	900	NA	NA	NA
DDW	CA4110010_009_009	3/11/1998	< 100	< 0	700	440	NA	8
DDW	CA4110010_009_009	5/14/1998	NA	NA	NA	< 50	NA	NA
DDW	CA4110010_009_009	10/28/1998	NA	NA	1000	NA	NA	NA
DDW	CA4110010_009_009	8/25/1999	NA	NA	NA	NA	< 0.005	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_009_009	12/1/1999	NA	NA	2000	NA	NA	NA
DDW	CA4110010_010_010	4/25/1986	< 100	840	200	NA	NA	< 5
DDW	CA4110010_010_010	5/12/1992	< 100	600	< 500	< 50	NA	< 5
DDW	CA4110010_010_010	12/21/1993	NA	NA	900	NA	NA	NA
DDW	CA4110010_010_010	3/28/1995	< 100	1300	< 500	< 50	NA	< 5
DDW	CA4110010_010_010	12/14/1995	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_010_010	12/19/1996	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_010_010	12/9/1997	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_010_010	3/11/1998	< 100	< 0	500	< 50	NA	< 5
DDW	CA4110010_010_010	10/28/1998	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_010_010	12/1/1999	NA	NA	< 500	NA	< 0.005	NA
DDW	CA4110010_010_010	12/7/2000	NA	NA	700	NA	< 0.005	NA
DDW	CA4110010_010_010	3/15/2001	< 100	NA	< 500	< 50	< 0.005	< 5
DDW	CA4110010_010_010	3/25/2004	< 100	500	< 500	< 50	NA	< 5
DDW	CA4110010_010_010	6/23/2004	< 100	600	< 500	< 50	NA	< 5
DDW	CA4110010_010_010	12/9/2004	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_010_010	9/21/2005	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_010_010	10/5/2005	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_010_010	12/13/2006	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_010_010	5/9/2007	< 100	490	< 500	< 50	NA	< 5
DDW	CA4110010_010_010	5/9/2007	< 100	490	< 500	< 50	NA	< 5
DDW	CA4110010_010_010	10/30/2007	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_010_010	12/8/2008	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_010_010	11/3/2009	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_010_010	6/15/2010	< 100	500	< 500	< 50	NA	< 5
DDW	CA4110010_010_010	11/9/2010	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_010_010	11/29/2011	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_010_010	12/4/2012	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_010_010	5/22/2013	< 100	740	< 500	< 50	NA	< 5
DDW	CA4110010_010_010	12/9/2014	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_010_010	11/9/2015	NA	NA	< 400	NA	NA	NA
DDW	CA4110010_010_010	5/19/2016	< 100	650	< 400	< 50	NA	< 5
DDW	CA4110010_010_010	11/7/2016	NA	NA	< 400	NA	NA	NA
DDW	CA4110010_010_010	11/15/2017	NA	NA	< 400	NA	NA	NA
DDW	CA4110010_010_010	11/13/2018	NA	NA	< 400	NA	< 0	NA
DDW	CA4110010_010_010	4/16/2019	< 100	720	< 400	< 50	NA	< 5
DDW	CA4110010_010_010	10/16/2019	NA	NA	< 400	NA	NA	NA
DDW	CA4110010_010_010	11/12/2020	NA	NA	< 400	NA	NA	NA
DDW	CA4110010_010_010	11/23/2021	NA	NA	< 400	NA	NA	NA
DDW	CA4110010_010_010	4/26/2022	< 50	540	NA	< 50	NA	< 1
DDW	CA4110010_010_010	5/3/2022	NA	NA	< 230	NA	NA	NA
DDW	CA4110010_010_010	5/23/2023	NA	NA	< 230	NA	NA	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_010_010	4/25/1986	< 100	840	200	NA	NA	< 5
DDW	CA4110010_010_010	6/21/1989	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	9/28/1989	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	12/21/1989	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	8/27/1991	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	5/12/1992	< 100	600	< 500	< 50	NA	< 5
DDW	CA4110010_010_010	9/28/1993	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	3/28/1995	< 100	1300	< 500	< 50	NA	< 5
DDW	CA4110010_010_010	9/12/1995	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	3/11/1998	< 100	< 0	500	< 50	NA	< 5
DDW	CA4110010_010_010	3/25/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	6/22/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	8/25/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	9/23/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	12/1/1999	NA	NA	< 500	NA	< 0.005	NA
DDW	CA4110010_010_010	6/20/2000	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	9/12/2000	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	12/7/2000	NA	NA	700	NA	< 0.005	NA
DDW	CA4110010_010_010	3/15/2001	< 100	NA	< 500	< 50	< 0.005	< 5
DDW	CA4110010_010_010	6/27/2001	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	9/13/2001	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	12/10/2001	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	3/25/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	6/19/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	6/20/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	9/9/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	12/3/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	12/5/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	3/4/2004	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	3/25/2004	< 100	500	< 500	< 50	NA	< 5
DDW	CA4110010_010_010	6/7/2004	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	6/23/2004	< 100	600	< 500	< 50	NA	< 5
DDW	CA4110010_010_010	9/16/2004	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	12/6/2004	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	6/15/2005	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	9/13/2005	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	5/9/2007	< 100	490	< 500	< 50	NA	< 5
DDW	CA4110010_010_010	9/17/2008	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	9/29/2008	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	10/23/2008	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	6/15/2010	< 100	500	< 500	< 50	NA	< 5
DDW	CA4110010_010_010	5/22/2013	< 100	740	< 500	< 50	NA	< 5

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_010_010	5/19/2016	< 100	650	< 400	< 50	NA	< 5
DDW	CA4110010_010_010	3/22/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_010_010	4/26/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_010_010	7/23/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_010_010	11/13/2018	NA	NA	< 400	NA	< 0	NA
DDW	CA4110010_010_010	4/16/2019	< 100	720	< 400	< 50	NA	< 5
DDW	CA4110010_010_010	8/10/2021	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	10/26/2021	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_010_010	4/26/2022	< 50	540	NA	< 50	NA	< 1
DDW	CA4110010_011_011	4/25/1986	< 100	670	< 500	NA	NA	< 5
DDW	CA4110010_011_011	5/12/1992	< 100	760	1200	< 50	NA	< 5
DDW	CA4110010_011_011	12/21/1993	NA	NA	1200	NA	NA	NA
DDW	CA4110010_011_011	3/28/1995	< 100	1500	1200	< 50	NA	7
DDW	CA4110010_011_011	12/14/1995	NA	NA	1300	NA	NA	NA
DDW	CA4110010_011_011	12/19/1996	NA	NA	1300	NA	NA	NA
DDW	CA4110010_011_011	12/9/1997	NA	NA	1000	NA	NA	NA
DDW	CA4110010_011_011	3/11/1998	< 100	400	1000	< 50	NA	< 5
DDW	CA4110010_011_011	10/28/1998	NA	NA	1000	NA	NA	NA
DDW	CA4110010_011_011	12/1/1999	NA	NA	1000	NA	NA	NA
DDW	CA4110010_011_011	12/7/2000	NA	NA	2000	NA	NA	NA
DDW	CA4110010_011_011	3/15/2001	< 100	NA	1000	< 50	NA	< 5
DDW	CA4110010_011_011	12/18/2001	NA	NA	1000	NA	NA	NA
DDW	CA4110010_011_011	12/5/2002	< 100	NA	1000	< 50	NA	< 5
DDW	CA4110010_011_011	9/16/2004	NA	NA	1000	NA	< 0.005	NA
DDW	CA4110010_011_011	9/21/2005	NA	NA	500	NA	NA	NA
DDW	CA4110010_011_011	10/5/2005	NA	NA	700	NA	NA	NA
DDW	CA4110010_011_011	3/13/2006	< 100	900	500	< 50	NA	< 5
DDW	CA4110010_011_011	12/13/2006	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_011_011	10/18/2007	NA	NA	1300	NA	NA	NA
DDW	CA4110010_011_011	12/8/2008	NA	NA	1400	NA	NA	NA
DDW	CA4110010_011_011	11/3/2009	NA	NA	1600	NA	NA	NA
DDW	CA4110010_011_011	12/1/2009	< 100	670	NA	< 50	NA	< 5
DDW	CA4110010_011_011	11/9/2010	NA	NA	770	NA	NA	NA
DDW	CA4110010_011_011	8/17/2011	< 100	740	1400	< 50	NA	< 5
DDW	CA4110010_011_011	11/29/2011	NA	NA	1600	NA	NA	NA
DDW	CA4110010_011_011	12/4/2012	NA	NA	1500	NA	NA	NA
DDW	CA4110010_011_011	12/9/2013	NA	NA	1500	NA	NA	NA
DDW	CA4110010_011_011	8/27/2014	< 100	720	1700	< 50	NA	< 5
DDW	CA4110010_011_011	12/9/2014	NA	NA	1000	NA	NA	NA
DDW	CA4110010_011_011	1/28/2016	< 100	780	800	< 50	< 0	< 5
DDW	CA4110010_011_011	4/25/1986	< 100	670	< 500	NA	NA	< 5
DDW	CA4110010_011_011	6/21/1989	NA	NA	NA	NA	< 0.005	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_011_011	9/28/1989	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_011_011	12/21/1989	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_011_011	8/27/1991	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_011_011	5/12/1992	< 100	760	1200	< 50	NA	< 5
DDW	CA4110010_011_011	9/28/1993	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_011_011	3/28/1995	< 100	1500	1200	< 50	NA	7
DDW	CA4110010_011_011	9/12/1995	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_011_011	3/11/1998	< 100	400	1000	< 50	NA	< 5
DDW	CA4110010_011_011	8/25/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_011_011	3/15/2001	< 100	NA	1000	< 50	NA	< 5
DDW	CA4110010_011_011	2/27/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_011_011	7/25/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_011_011	9/24/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_011_011	12/5/2002	< 100	NA	1000	< 50	NA	< 5
DDW	CA4110010_011_011	7/21/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_011_011	9/18/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_011_011	9/16/2004	NA	NA	1000	NA	< 0.005	NA
DDW	CA4110010_011_011	9/13/2005	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_011_011	3/13/2006	< 100	900	500	< 50	NA	< 5
DDW	CA4110010_011_011	9/17/2008	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_011_011	12/1/2009	< 100	670	NA	< 50	NA	< 5
DDW	CA4110010_011_011	8/17/2011	< 100	740	1400	< 50	NA	< 5
DDW	CA4110010_011_011	8/27/2014	< 100	720	1700	< 50	NA	< 5
DDW	CA4110010_011_011	1/28/2016	< 100	780	800	< 50	< 0	< 5
DDW	CA4110010_012_012	5/8/1984	< 100	270	3800	NA	NA	< 5
DDW	CA4110010_012_012	3/10/1987	< 100	390	2100	NA	NA	< 5
DDW	CA4110010_012_012	6/21/1989	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_012_012	9/28/1989	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_012_012	12/21/1989	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_012_012	1/22/1990	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_012_012	1/23/1990	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_012_012	3/27/1990	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_012_012	8/26/1991	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_012_012	9/28/1993	< 100	310	1700	< 50	< 0.005	< 5
DDW	CA4110010_012_012	12/21/1993	NA	NA	1500	NA	NA	NA
DDW	CA4110010_012_012	9/12/1995	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_012_012	12/14/1995	NA	NA	1400	NA	NA	NA
DDW	CA4110010_012_012	12/19/1996	< 100	< 0	1800	< 50	NA	< 5
DDW	CA4110010_012_012	12/9/1997	NA	NA	2500	NA	NA	NA
DDW	CA4110010_012_012	10/28/1998	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	8/25/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_012_012	12/1/1999	< 100	400	1000	< 50	NA	< 5

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_012_012	6/28/2000	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	9/12/2000	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_012_012	12/7/2000	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	3/15/2001	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	6/27/2001	NA	NA	2300	NA	NA	NA
DDW	CA4110010_012_012	9/27/2001	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	12/18/2001	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	2/27/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_012_012	3/27/2002	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	5/15/2002	NA	NA	1500	NA	NA	NA
DDW	CA4110010_012_012	6/12/2002	NA	NA	2000	NA	NA	NA
DDW	CA4110010_012_012	6/27/2002	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	7/10/2002	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	7/25/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_012_012	8/7/2002	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	9/9/2002	NA	NA	700	NA	NA	NA
DDW	CA4110010_012_012	9/24/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_012_012	10/17/2002	NA	NA	700	NA	NA	NA
DDW	CA4110010_012_012	12/5/2002	< 100	NA	700	< 50	NA	< 5
DDW	CA4110010_012_012	1/27/2003	NA	NA	770	NA	NA	NA
DDW	CA4110010_012_012	2/19/2003	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	3/12/2003	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	3/19/2003	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	4/9/2003	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	5/19/2003	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	6/16/2003	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	7/22/2003	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	8/19/2003	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	9/10/2003	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	9/18/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_012_012	10/15/2003	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	11/12/2003	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	11/13/2003	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	12/16/2003	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	1/6/2004	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	1/8/2004	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_012_012	2/10/2004	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	3/9/2004	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	3/30/2004	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	4/6/2004	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	4/12/2004	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	4/19/2004	NA	NA	1000	NA	NA	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_012_012	4/26/2004	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	5/3/2004	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	5/10/2004	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	5/17/2004	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	5/24/2004	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	6/1/2004	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	6/7/2004	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	6/14/2004	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	6/21/2004	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	6/28/2004	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	7/6/2004	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	7/12/2004	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	7/19/2004	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	7/26/2004	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	8/2/2004	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	8/9/2004	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	8/16/2004	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	8/30/2004	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	9/8/2004	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	9/13/2004	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	9/15/2004	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_012_012	9/27/2004	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	10/4/2004	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	11/9/2004	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	11/16/2004	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	11/29/2004	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	11/30/2004	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	12/6/2004	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	12/14/2004	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	12/20/2004	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	1/10/2005	NA	NA	900	NA	NA	NA
DDW	CA4110010_012_012	1/31/2005	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	2/8/2005	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	3/8/2005	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	3/23/2005	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	3/24/2005	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	4/12/2005	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	4/21/2005	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	4/25/2005	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	5/4/2005	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	5/17/2005	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	6/7/2005	NA	NA	1000	NA	NA	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_012_012	7/11/2005	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	7/18/2005	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	8/2/2005	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	9/13/2005	NA	NA	1000	NA	< 0.005	NA
DDW	CA4110010_012_012	10/12/2005	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	11/8/2005	NA	NA	1000	NA	NA	NA
DDW	CA4110010_012_012	12/14/2005	< 100	500	1000	< 50	NA	< 5
DDW	CA4110010_012_012	12/12/2006	NA	NA	950	NA	NA	NA
DDW	CA4110010_012_012	10/18/2007	NA	NA	1200	NA	NA	NA
DDW	CA4110010_012_012	9/22/2008	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_012_012	12/8/2008	< 100	440	2900	< 50	NA	< 5
DDW	CA4110010_012_012	11/3/2009	NA	NA	3800	NA	NA	NA
DDW	CA4110010_012_012	11/9/2010	NA	NA	770	NA	0.01	NA
DDW	CA4110010_012_012	2/2/2011	NA	NA	630	NA	0.019	NA
DDW	CA4110010_012_012	5/18/2011	NA	NA	NA	NA	0.014	NA
DDW	CA4110010_012_012	8/17/2011	NA	NA	NA	NA	0.013	NA
DDW	CA4110010_012_012	11/29/2011	< 100	360	790	< 50	NA	< 5
DDW	CA4110010_012_012	12/10/2012	NA	NA	1300	NA	NA	NA
DDW	CA4110010_012_012	5/22/2013	NA	NA	NA	NA	0.012	NA
DDW	CA4110010_012_012	8/29/2013	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_012_012	12/11/2013	NA	NA	700	NA	0.013	NA
DDW	CA4110010_012_012	3/18/2014	NA	NA	NA	NA	0.013	NA
DDW	CA4110010_012_012	5/12/2014	NA	NA	NA	NA	0.01	NA
DDW	CA4110010_012_012	8/27/2014	NA	NA	NA	NA	0.011	NA
DDW	CA4110010_012_012	12/8/2014	< 100	290	840	150	0.011	< 5
DDW	CA4110010_012_012	3/3/2015	NA	NA	NA	NA	0.009	NA
DDW	CA4110010_012_012	5/19/2015	NA	NA	NA	NA	0.011	NA
DDW	CA4110010_012_012	8/17/2015	NA	NA	NA	NA	0.013	NA
DDW	CA4110010_012_012	11/9/2015	NA	NA	600	NA	0.012	NA
DDW	CA4110010_012_012	3/14/2016	NA	NA	NA	NA	0.013	NA
DDW	CA4110010_012_012	5/31/2016	NA	NA	NA	NA	0.012	NA
DDW	CA4110010_012_012	6/22/2016	NA	NA	580	NA	NA	NA
DDW	CA4110010_012_012	8/24/2016	NA	NA	NA	NA	0.012	NA
DDW	CA4110010_012_012	9/30/2016	NA	NA	520	NA	NA	NA
DDW	CA4110010_012_012	11/7/2016	NA	NA	550	NA	0.013	NA
DDW	CA4110010_012_012	1/25/2017	NA	NA	NA	NA	0.009	NA
DDW	CA4110010_012_012	4/11/2017	NA	NA	NA	NA	0.007	NA
DDW	CA4110010_012_012	7/20/2017	NA	NA	NA	NA	0.009	NA
DDW	CA4110010_012_012	11/8/2017	< 100	310	NA	< 50	0.01	< 5
DDW	CA4110010_012_012	11/21/2017	NA	NA	560	NA	NA	NA
DDW	CA4110010_012_012	1/31/2018	NA	NA	700	NA	0.01	NA
DDW	CA4110010_012_012	4/26/2018	NA	NA	610	NA	0.012	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_012_012	7/23/2018	NA	NA	730	NA	NA	NA
DDW	CA4110010_012_012	4/19/2022	NA	NA	NA	NA	0.0096	NA
DDW	CA4110010_014_014	5/8/1984	< 100	380	1200	NA	NA	< 5
DDW	CA4110010_014_014	3/10/1987	< 100	520	560	NA	NA	< 5
DDW	CA4110010_014_014	6/21/1989	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	12/21/1989	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	8/24/1991	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	9/28/1993	< 100	440	840	< 50	< 0.005	< 5
DDW	CA4110010_014_014	12/21/1993	NA	NA	900	NA	NA	NA
DDW	CA4110010_014_014	9/12/1995	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	12/14/1995	NA	NA	1400	NA	NA	NA
DDW	CA4110010_014_014	12/19/1996	< 100	< 0	1500	< 50	NA	< 5
DDW	CA4110010_014_014	12/9/1997	NA	NA	1000	NA	NA	NA
DDW	CA4110010_014_014	10/28/1998	NA	NA	1000	NA	NA	NA
DDW	CA4110010_014_014	1/19/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	3/25/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	5/25/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	6/22/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	5/25/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	6/22/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	7/22/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	8/25/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	9/23/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	10/27/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	11/17/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	12/1/1999	< 100	500	900	< 50	< 0.005	< 5
DDW	CA4110010_014_014	1/19/2000	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	3/22/2000	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	4/24/2000	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	5/18/2000	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	6/20/2000	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	7/19/2000	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	8/24/2000	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	9/12/2000	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	10/26/2000	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	11/21/2000	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	12/7/2000	NA	NA	900	NA	< 0.005	NA
DDW	CA4110010_014_014	1/17/2001	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	2/22/2001	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	3/15/2001	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	4/18/2001	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	5/10/2001	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	6/27/2001	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	7/17/2001	NA	NA	NA	NA	< 0.005	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_014_014	8/26/2001	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	9/13/2001	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	10/30/2001	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	11/13/2001	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	12/10/2001	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	12/18/2001	NA	NA	900	NA	NA	NA
DDW	CA4110010_014_014	2/25/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	3/25/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	4/16/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	5/28/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	6/19/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	6/20/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	6/26/2002	NA	NA	700	NA	NA	NA
DDW	CA4110010_014_014	7/24/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	8/27/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	9/9/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	10/24/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	11/11/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	12/3/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	12/5/2002	< 100	NA	500	< 50	< 0.005	< 5
DDW	CA4110010_014_014	1/23/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	2/17/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	4/9/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	5/19/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	6/16/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	7/21/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	7/22/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	8/12/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	9/10/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	10/22/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	11/12/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	12/15/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	12/16/2003	NA	NA	500	NA	NA	NA
DDW	CA4110010_014_014	1/20/2004	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	2/9/2004	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	3/4/2004	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	4/6/2004	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	5/4/2004	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	6/7/2004	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	7/6/2004	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	8/9/2004	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	9/16/2004	NA	NA	700	NA	< 0.005	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_014_014	12/6/2004	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	6/15/2005	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	9/13/2005	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	9/21/2005	NA	NA	700	NA	NA	NA
DDW	CA4110010_014_014	10/5/2005	NA	NA	700	NA	NA	NA
DDW	CA4110010_014_014	12/14/2005	< 100	500	500	< 50	NA	< 5
DDW	CA4110010_014_014	11/30/2006	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	12/13/2006	NA	NA	720	NA	NA	NA
DDW	CA4110010_014_014	10/18/2007	NA	NA	560	NA	NA	NA
DDW	CA4110010_014_014	9/9/2008	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	12/8/2008	< 100	560	520	< 50	NA	< 5
DDW	CA4110010_014_014	11/3/2009	NA	NA	520	NA	NA	NA
DDW	CA4110010_014_014	11/9/2010	NA	NA	520	NA	NA	NA
DDW	CA4110010_014_014	11/29/2011	< 100	590	500	< 50	NA	< 5
DDW	CA4110010_014_014	12/4/2012	NA	NA	520	NA	NA	NA
DDW	CA4110010_014_014	12/9/2013	NA	NA	610	NA	NA	NA
DDW	CA4110010_014_014	12/8/2014	< 100	510	560	< 50	NA	< 5
DDW	CA4110010_014_014	11/9/2015	NA	NA	430	NA	NA	NA
DDW	CA4110010_014_014	11/7/2016	NA	NA	< 400	NA	NA	NA
DDW	CA4110010_014_014	11/8/2017	< 100	500	NA	< 50	NA	< 5
DDW	CA4110010_014_014	11/21/2017	NA	NA	430	NA	NA	NA
DDW	CA4110010_014_014	3/22/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_014_014	4/26/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_014_014	7/23/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_014_014	11/13/2018	NA	NA	< 400	NA	< 0	NA
DDW	CA4110010_014_014	11/13/2019	NA	NA	420	NA	NA	NA
DDW	CA4110010_014_014	11/16/2020	< 100	520	510	< 50	NA	< 5
DDW	CA4110010_014_014	8/10/2021	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	10/26/2021	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_014_014	11/23/2021	NA	NA	490	NA	NA	NA
DDW	CA4110010_014_014	12/5/2022	NA	NA	370	NA	NA	NA
DDW	CA4110010_015_015	9/12/1995	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_015_015	12/14/1995	NA	NA	4500	NA	NA	NA
DDW	CA4110010_015_015	12/19/1996	< 100	< 0	8100	< 50	NA	< 5
DDW	CA4110010_015_015	12/9/1997	NA	NA	6600	NA	NA	NA
DDW	CA4110010_015_015	3/11/1998	NA	NA	8600	NA	NA	NA
DDW	CA4110010_015_015	5/20/1998	NA	NA	7700	NA	NA	NA
DDW	CA4110010_015_015	8/6/1998	NA	NA	8800	NA	NA	NA
DDW	CA4110010_015_015	10/28/1998	NA	NA	10000	NA	NA	NA
DDW	CA4110010_015_015	1/7/1999	NA	NA	7700	NA	NA	NA
DDW	CA4110010_015_015	3/10/1999	NA	NA	5400	NA	NA	NA
DDW	CA4110010_015_015	6/22/1999	NA	NA	8600	NA	NA	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_015_015	8/25/1999	< 100	< 0	8800	< 50	< 0.005	< 5
DDW	CA4110010_015_015	12/1/1999	NA	NA	9300	NA	NA	NA
DDW	CA4110010_015_015	2/28/2000	NA	NA	10000	NA	NA	NA
DDW	CA4110010_015_015	6/21/2000	NA	NA	9900	NA	NA	NA
DDW	CA4110010_015_015	9/12/2000	NA	NA	8100	NA	NA	NA
DDW	CA4110010_015_015	12/7/2000	NA	NA	7200	NA	NA	NA
DDW	CA4110010_015_015	3/15/2001	NA	NA	6600	NA	NA	NA
DDW	CA4110010_015_015	6/27/2001	NA	NA	5900	NA	NA	NA
DDW	CA4110010_015_015	9/27/2001	NA	NA	6600	NA	NA	NA
DDW	CA4110010_015_015	12/18/2001	NA	NA	6800	NA	NA	NA
DDW	CA4110010_015_015	2/27/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_015_015	3/27/2002	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	5/15/2002	NA	NA	9000	NA	NA	NA
DDW	CA4110010_015_015	6/12/2002	NA	NA	9000	NA	NA	NA
DDW	CA4110010_015_015	6/20/2002	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_015_015	6/27/2002	NA	NA	7900	NA	NA	NA
DDW	CA4110010_015_015	7/10/2002	NA	NA	8600	NA	NA	NA
DDW	CA4110010_015_015	7/25/2002	NA	NA	NA	NA	0.008	NA
DDW	CA4110010_015_015	8/7/2002	NA	NA	8800	NA	NA	NA
DDW	CA4110010_015_015	9/9/2002	NA	NA	7700	NA	NA	NA
DDW	CA4110010_015_015	9/24/2002	< 100	NA	7000	< 50	< 0.005	< 5
DDW	CA4110010_015_015	10/17/2002	NA	NA	7200	NA	NA	NA
DDW	CA4110010_015_015	1/27/2003	NA	NA	7597	NA	NA	NA
DDW	CA4110010_015_015	2/19/2003	NA	NA	8100	NA	NA	NA
DDW	CA4110010_015_015	3/12/2003	NA	NA	7900	NA	NA	NA
DDW	CA4110010_015_015	3/19/2003	NA	NA	8100	NA	NA	NA
DDW	CA4110010_015_015	4/9/2003	NA	NA	8400	NA	NA	NA
DDW	CA4110010_015_015	6/16/2003	NA	NA	9000	NA	NA	NA
DDW	CA4110010_015_015	7/22/2003	NA	NA	8800	NA	NA	NA
DDW	CA4110010_015_015	8/19/2003	NA	NA	8600	NA	NA	NA
DDW	CA4110010_015_015	9/10/2003	NA	NA	8100	NA	NA	NA
DDW	CA4110010_015_015	9/18/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_015_015	10/15/2003	NA	NA	7500	NA	NA	NA
DDW	CA4110010_015_015	11/12/2003	NA	NA	7200	NA	NA	NA
DDW	CA4110010_015_015	11/13/2003	NA	NA	7200	NA	NA	NA
DDW	CA4110010_015_015	12/16/2003	NA	NA	7700	NA	NA	NA
DDW	CA4110010_015_015	12/18/2003	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_015_015	12/30/2003	NA	NA	NA	NA	0.007	NA
DDW	CA4110010_015_015	1/6/2004	NA	NA	14000	NA	NA	NA
DDW	CA4110010_015_015	1/8/2004	NA	NA	NA	NA	0.008	NA
DDW	CA4110010_015_015	2/10/2004	NA	NA	13000	NA	NA	NA
DDW	CA4110010_015_015	3/9/2004	NA	NA	13000	NA	NA	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_015_015	4/6/2004	NA	NA	12000	NA	NA	NA
DDW	CA4110010_015_015	4/12/2004	NA	NA	12000	NA	NA	NA
DDW	CA4110010_015_015	4/19/2004	NA	NA	9000	NA	NA	NA
DDW	CA4110010_015_015	4/26/2004	NA	NA	8800	NA	NA	NA
DDW	CA4110010_015_015	5/3/2004	NA	NA	8600	NA	NA	NA
DDW	CA4110010_015_015	5/10/2004	NA	NA	8800	NA	NA	NA
DDW	CA4110010_015_015	5/17/2004	NA	NA	9000	NA	NA	NA
DDW	CA4110010_015_015	5/24/2004	NA	NA	9300	NA	NA	NA
DDW	CA4110010_015_015	6/1/2004	NA	NA	9500	NA	NA	NA
DDW	CA4110010_015_015	6/7/2004	NA	NA	9500	NA	NA	NA
DDW	CA4110010_015_015	6/14/2004	NA	NA	9700	NA	NA	NA
DDW	CA4110010_015_015	6/21/2004	NA	NA	9900	NA	NA	NA
DDW	CA4110010_015_015	6/28/2004	NA	NA	10000	NA	NA	NA
DDW	CA4110010_015_015	7/6/2004	NA	NA	10000	NA	NA	NA
DDW	CA4110010_015_015	7/12/2004	NA	NA	10000	NA	NA	NA
DDW	CA4110010_015_015	7/19/2004	NA	NA	10000	NA	NA	NA
DDW	CA4110010_015_015	7/26/2004	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	8/2/2004	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	8/9/2004	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	8/16/2004	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	8/30/2004	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	9/8/2004	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	9/13/2004	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	9/15/2004	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_015_015	9/27/2004	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	10/4/2004	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	11/9/2004	NA	NA	10000	NA	NA	NA
DDW	CA4110010_015_015	11/16/2004	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	11/29/2004	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	12/6/2004	NA	NA	10000	NA	NA	NA
DDW	CA4110010_015_015	12/14/2004	NA	NA	10000	NA	NA	NA
DDW	CA4110010_015_015	12/20/2004	NA	NA	9900	NA	NA	NA
DDW	CA4110010_015_015	1/10/2005	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	1/31/2005	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	2/8/2005	NA	NA	12000	NA	NA	NA
DDW	CA4110010_015_015	3/8/2005	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	3/23/2005	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	3/24/2005	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	4/12/2005	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	4/21/2005	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	4/25/2005	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	5/4/2005	NA	NA	11000	NA	NA	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_015_015	5/17/2005	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	6/7/2005	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	7/11/2005	NA	NA	12000	NA	NA	NA
DDW	CA4110010_015_015	7/18/2005	NA	NA	12000	NA	NA	NA
DDW	CA4110010_015_015	8/2/2005	NA	NA	9700	NA	NA	NA
DDW	CA4110010_015_015	9/13/2005	NA	NA	12000	NA	< 0.005	NA
DDW	CA4110010_015_015	10/5/2005	< 100	400	12000	< 50	NA	< 5
DDW	CA4110010_015_015	10/12/2005	NA	NA	12000	NA	NA	NA
DDW	CA4110010_015_015	11/8/2005	NA	NA	5400	NA	NA	NA
DDW	CA4110010_015_015	6/14/2006	NA	NA	13000	NA	NA	NA
DDW	CA4110010_015_015	9/20/2006	NA	NA	12000	NA	NA	NA
DDW	CA4110010_015_015	12/12/2006	NA	NA	14000	NA	NA	NA
DDW	CA4110010_015_015	3/14/2007	NA	NA	9000	NA	NA	NA
DDW	CA4110010_015_015	5/9/2007	NA	NA	9500	NA	NA	NA
DDW	CA4110010_015_015	8/27/2007	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	10/30/2007	NA	NA	7700	NA	NA	NA
DDW	CA4110010_015_015	2/25/2008	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	6/12/2008	NA	NA	2000	NA	NA	NA
DDW	CA4110010_015_015	9/23/2008	NA	NA	8100	NA	< 0.005	NA
DDW	CA4110010_015_015	12/9/2008	< 100	330	9000	< 50	NA	< 5
DDW	CA4110010_015_015	2/24/2009	NA	NA	9700	NA	NA	NA
DDW	CA4110010_015_015	5/27/2009	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	8/25/2009	NA	NA	9900	NA	NA	NA
DDW	CA4110010_015_015	11/3/2009	NA	NA	8800	NA	NA	NA
DDW	CA4110010_015_015	2/10/2010	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	7/26/2010	NA	NA	9500	NA	NA	NA
DDW	CA4110010_015_015	8/18/2010	NA	NA	9700	NA	NA	NA
DDW	CA4110010_015_015	11/9/2010	NA	NA	9700	NA	< 0.005	NA
DDW	CA4110010_015_015	2/2/2011	NA	NA	9500	NA	0.005	NA
DDW	CA4110010_015_015	5/18/2011	NA	NA	7000	NA	< 0	NA
DDW	CA4110010_015_015	8/17/2011	NA	NA	7700	NA	< 0	NA
DDW	CA4110010_015_015	12/13/2011	< 100	270	8100	< 50	NA	< 5
DDW	CA4110010_015_015	3/5/2012	NA	NA	6100	NA	NA	NA
DDW	CA4110010_015_015	5/21/2012	NA	NA	7000	NA	NA	NA
DDW	CA4110010_015_015	8/21/2012	NA	NA	9300	NA	NA	NA
DDW	CA4110010_015_015	12/4/2012	NA	NA	8800	NA	NA	NA
DDW	CA4110010_015_015	2/14/2013	NA	NA	6600	NA	NA	NA
DDW	CA4110010_015_015	5/22/2013	NA	NA	7700	NA	< 0	NA
DDW	CA4110010_015_015	8/29/2013	NA	NA	9300	NA	< 0	NA
DDW	CA4110010_015_015	9/2/2013	NA	NA	8600	NA	NA	NA
DDW	CA4110010_015_015	10/28/2013	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_015_015	12/11/2013	NA	NA	8800	NA	< 0	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_015_015	1/23/2014	NA	NA	8100	NA	NA	NA
DDW	CA4110010_015_015	3/24/2014	NA	NA	9700	NA	< 0	NA
DDW	CA4110010_015_015	5/12/2014	NA	NA	9300	NA	< 0	NA
DDW	CA4110010_015_015	5/13/2014	NA	NA	9500	NA	NA	NA
DDW	CA4110010_015_015	5/15/2014	NA	NA	9700	NA	NA	NA
DDW	CA4110010_015_015	6/10/2014	NA	NA	8800	NA	NA	NA
DDW	CA4110010_015_015	7/22/2014	NA	NA	6600	NA	NA	NA
DDW	CA4110010_015_015	8/27/2014	NA	NA	9900	NA	< 0	NA
DDW	CA4110010_015_015	10/21/2014	NA	NA	10000	NA	NA	NA
DDW	CA4110010_015_015	12/8/2014	< 100	310	8800	< 50	< 0	< 5
DDW	CA4110010_015_015	3/9/2015	NA	NA	5400	NA	< 0	NA
DDW	CA4110010_015_015	5/19/2015	NA	NA	5600	NA	< 0	NA
DDW	CA4110010_015_015	8/4/2015	NA	NA	5400	NA	NA	NA
DDW	CA4110010_015_015	8/17/2015	NA	NA	5200	NA	< 0	NA
DDW	CA4110010_015_015	11/9/2015	NA	NA	4100	NA	< 0	NA
DDW	CA4110010_015_015	12/10/2015	NA	NA	7100	NA	NA	NA
DDW	CA4110010_015_015	2/11/2016	NA	NA	6400	NA	NA	NA
DDW	CA4110010_015_015	3/2/2016	NA	NA	9300	NA	NA	NA
DDW	CA4110010_015_015	3/14/2016	NA	NA	10000	NA	< 0	NA
DDW	CA4110010_015_015	4/27/2016	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	5/4/2016	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	5/31/2016	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_015_015	6/22/2016	NA	NA	6500	NA	NA	NA
DDW	CA4110010_015_015	8/16/2016	NA	NA	6400	NA	NA	NA
DDW	CA4110010_015_015	8/24/2016	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_015_015	11/7/2016	NA	NA	6800	NA	< 0	NA
DDW	CA4110010_015_015	12/1/2016	NA	NA	6100	NA	NA	NA
DDW	CA4110010_015_015	1/18/2017	NA	NA	9400	NA	< 0	NA
DDW	CA4110010_015_015	2/13/2017	NA	NA	9000	NA	NA	NA
DDW	CA4110010_015_015	3/20/2017	NA	NA	7400	NA	NA	NA
DDW	CA4110010_015_015	4/11/2017	NA	NA	7500	NA	< 0	NA
DDW	CA4110010_015_015	5/9/2017	NA	NA	6700	NA	NA	NA
DDW	CA4110010_015_015	6/6/2017	NA	NA	7200	NA	NA	NA
DDW	CA4110010_015_015	7/5/2017	NA	NA	7000	NA	NA	NA
DDW	CA4110010_015_015	7/20/2017	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_015_015	8/7/2017	NA	NA	7500	NA	NA	NA
DDW	CA4110010_015_015	9/6/2017	NA	NA	7300	NA	NA	NA
DDW	CA4110010_015_015	10/10/2017	NA	NA	7100	NA	NA	NA
DDW	CA4110010_015_015	11/8/2017	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_015_015	11/21/2017	NA	NA	7500	NA	NA	NA
DDW	CA4110010_015_015	12/7/2017	NA	NA	6700	NA	NA	NA
DDW	CA4110010_015_015	1/9/2018	NA	NA	5900	NA	NA	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_015_015	1/31/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_015_015	2/8/2018	NA	NA	6900	NA	NA	NA
DDW	CA4110010_015_015	3/13/2018	NA	NA	7400	NA	NA	NA
DDW	CA4110010_015_015	4/4/2018	NA	NA	7400	NA	NA	NA
DDW	CA4110010_015_015	4/26/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_015_015	5/1/2018	NA	NA	7900	NA	NA	NA
DDW	CA4110010_015_015	6/18/2018	NA	NA	7100	NA	NA	NA
DDW	CA4110010_015_015	7/16/2018	NA	NA	6900	NA	NA	NA
DDW	CA4110010_015_015	7/23/2018	< 100	340	7200	< 50	< 0	< 5
DDW	CA4110010_015_015	8/2/2018	NA	NA	7100	NA	NA	NA
DDW	CA4110010_015_015	9/11/2018	NA	NA	6300	NA	NA	NA
DDW	CA4110010_015_015	10/15/2018	NA	NA	5800	NA	NA	NA
DDW	CA4110010_015_015	11/13/2018	NA	NA	5700	NA	< 0	NA
DDW	CA4110010_015_015	12/10/2018	NA	NA	5500	NA	NA	NA
DDW	CA4110010_015_015	1/9/2019	NA	NA	6300	NA	NA	NA
DDW	CA4110010_015_015	2/5/2019	NA	NA	7900	NA	NA	NA
DDW	CA4110010_015_015	3/4/2019	NA	NA	8400	NA	NA	NA
DDW	CA4110010_015_015	4/9/2019	NA	NA	7400	NA	NA	NA
DDW	CA4110010_015_015	5/15/2019	NA	NA	6000	NA	NA	NA
DDW	CA4110010_015_015	6/3/2019	NA	NA	9200	NA	NA	NA
DDW	CA4110010_015_015	7/9/2019	NA	NA	6500	NA	NA	NA
DDW	CA4110010_015_015	8/6/2019	NA	NA	6300	NA	NA	NA
DDW	CA4110010_015_015	9/17/2019	NA	NA	10000	NA	NA	NA
DDW	CA4110010_015_015	10/14/2019	NA	NA	10000	NA	NA	NA
DDW	CA4110010_015_015	11/13/2019	NA	NA	7100	NA	NA	NA
DDW	CA4110010_015_015	12/9/2019	NA	NA	6000	NA	NA	NA
DDW	CA4110010_015_015	1/6/2020	NA	NA	5500	NA	NA	NA
DDW	CA4110010_015_015	2/12/2020	NA	NA	5700	NA	NA	NA
DDW	CA4110010_015_015	3/17/2020	NA	NA	5400	NA	NA	NA
DDW	CA4110010_015_015	4/14/2020	NA	NA	4900	NA	NA	NA
DDW	CA4110010_015_015	5/19/2020	NA	NA	5500	NA	NA	NA
DDW	CA4110010_015_015	6/9/2020	NA	NA	5400	NA	NA	NA
DDW	CA4110010_015_015	7/14/2020	NA	NA	5900	NA	NA	NA
DDW	CA4110010_015_015	8/11/2020	NA	NA	6300	NA	NA	NA
DDW	CA4110010_015_015	9/17/2020	NA	NA	6000	NA	NA	NA
DDW	CA4110010_015_015	10/13/2020	NA	NA	7500	NA	NA	NA
DDW	CA4110010_015_015	11/12/2020	NA	NA	4500	NA	NA	NA
DDW	CA4110010_015_015	12/15/2020	NA	NA	5000	NA	NA	NA
DDW	CA4110010_015_015	1/5/2021	NA	NA	5000	NA	NA	NA
DDW	CA4110010_015_015	2/9/2021	NA	NA	6000	NA	NA	NA
DDW	CA4110010_015_015	3/16/2021	NA	NA	6000	NA	NA	NA
DDW	CA4110010_015_015	4/13/2021	NA	NA	7500	NA	NA	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_015_015	5/19/2021	NA	NA	9000	NA	NA	NA
DDW	CA4110010_015_015	6/9/2021	NA	NA	9900	NA	NA	NA
DDW	CA4110010_015_015	7/15/2021	NA	NA	9200	NA	NA	NA
DDW	CA4110010_015_015	8/10/2021	< 50	400	6300	< 50	NA	< 1
DDW	CA4110010_015_015	8/11/2021	NA	NA	6300	NA	NA	NA
DDW	CA4110010_015_015	9/8/2021	NA	NA	6500	NA	NA	NA
DDW	CA4110010_015_015	10/14/2021	NA	NA	7100	NA	NA	NA
DDW	CA4110010_015_015	10/26/2021	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_015_015	11/23/2021	NA	NA	8300	NA	NA	NA
DDW	CA4110010_015_015	12/14/2021	NA	NA	7000	NA	NA	NA
DDW	CA4110010_015_015	1/18/2022	NA	NA	6400	NA	NA	NA
DDW	CA4110010_015_015	3/16/2022	NA	NA	7600	NA	NA	NA
DDW	CA4110010_015_015	4/5/2022	NA	NA	6600	NA	NA	NA
DDW	CA4110010_015_015	5/3/2022	NA	NA	6500	NA	NA	NA
DDW	CA4110010_015_015	6/1/2022	NA	NA	6800	NA	NA	NA
DDW	CA4110010_015_015	7/11/2022	NA	NA	7400	NA	NA	NA
DDW	CA4110010_015_015	8/8/2022	NA	NA	7700	NA	NA	NA
DDW	CA4110010_015_015	10/5/2022	NA	NA	7000	NA	NA	NA
DDW	CA4110010_015_015	11/7/2022	NA	NA	8600	NA	NA	NA
DDW	CA4110010_015_015	12/12/2022	NA	NA	7200	NA	NA	NA
DDW	CA4110010_015_015	1/10/2023	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	2/8/2023	NA	NA	9600	NA	NA	NA
DDW	CA4110010_015_015	3/15/2023	NA	NA	11000	NA	NA	NA
DDW	CA4110010_015_015	4/10/2023	NA	NA	7500	NA	NA	NA
DDW	CA4110010_015_015	5/9/2023	NA	NA	7500	NA	NA	NA
DDW	CA4110010_027_027	7/5/2007	< 100	NA	< 500	< 50	NA	< 5
DDW	CA4110010_027_027	8/2/2007	NA	670	< 500	NA	< 0.005	NA
DDW	CA4110010_027_027	9/9/2008	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_027_027	8/25/2009	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_027_027	8/18/2010	< 100	530	290	< 50	NA	< 5
DDW	CA4110010_027_027	8/17/2011	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_027_027	8/21/2012	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_027_027	8/29/2013	< 100	570	< 500	< 50	NA	< 5
DDW	CA4110010_027_027	8/27/2014	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_027_027	8/10/2015	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_027_027	8/24/2016	< 100	560	NA	< 50	NA	< 5
DDW	CA4110010_027_027	9/30/2016	NA	NA	< 400	NA	NA	NA
DDW	CA4110010_027_027	8/7/2017	NA	NA	< 400	NA	NA	NA
DDW	CA4110010_027_027	7/23/2018	NA	NA	< 400	NA	< 0	NA
DDW	CA4110010_027_027	8/5/2019	< 100	560	< 400	< 50	NA	< 5
DDW	CA4110010_027_027	8/11/2020	NA	NA	< 400	NA	NA	NA
DDW	CA4110010_027_027	1/5/2021	NA	NA	2100	NA	NA	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_027_027	8/10/2021	NA	NA	< 230	NA	< 0.005	NA
DDW	CA4110010_027_027	9/12/2022	< 50	590	< 230	< 50	< 0.005	< 1
DDW	CA4110010_030_030	6/27/1997	< 100	2100	< 500	< 50	< 0.005	< 5
DDW	CA4110010_030_030	8/26/1998	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_030_030	4/12/1999	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_030_030	4/16/2001	NA	1100	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	7/16/2001	NA	1100	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	1/21/2002	NA	1100	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	5/13/2002	NA	920	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	7/15/2002	NA	980	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	10/14/2002	NA	1200	< 500	NA	< 0.005	NA
DDW	CA4110010_030_030	1/27/2003	NA	1500	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	7/14/2003	NA	1500	NA	NA	NA	NA
DDW	CA4110010_030_030	10/13/2003	NA	1700	NA	NA	NA	NA
DDW	CA4110010_030_030	12/8/2003	< 100	1300	< 500	< 50	NA	< 5
DDW	CA4110010_030_030	1/26/2004	NA	1200	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	4/12/2004	NA	1200	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	7/12/2004	NA	1200	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	10/11/2004	NA	960	< 500	NA	< 0.005	NA
DDW	CA4110010_030_030	1/24/2005	NA	1200	NA	NA	NA	NA
DDW	CA4110010_030_030	4/19/2005	NA	1400	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	7/17/2005	NA	1200	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	3/20/2006	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_030_030	4/20/2006	NA	1400	NA	NA	NA	NA
DDW	CA4110010_030_030	7/20/2006	NA	1300	NA	NA	NA	NA
DDW	CA4110010_030_030	10/19/2006	NA	1400	< 500	NA	NA	NA
DDW	CA4110010_030_030	12/21/2006	< 100	NA	NA	< 50	NA	< 5
DDW	CA4110010_030_030	1/25/2007	NA	1000	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	4/19/2007	NA	1200	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	7/18/2007	NA	1300	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	10/18/2007	NA	1000	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	1/31/2008	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_030_030	4/17/2008	NA	1100	NA	NA	NA	NA
DDW	CA4110010_030_030	7/17/2008	NA	1200	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	10/16/2008	NA	1300	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	12/30/2008	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_030_030	1/15/2009	NA	1200	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	7/16/2009	NA	1500	NA	NA	0.005	NA
DDW	CA4110010_030_030	10/22/2009	< 100	1100	< 500	< 50	< 0.005	< 5
DDW	CA4110010_030_030	2/18/2010	NA	1500	NA	NA	NA	NA
DDW	CA4110010_030_030	7/19/2012	NA	2600	< 500	NA	< 0	NA
DDW	CA4110010_030_030	10/15/2012	< 100	1600	< 500	< 50	< 0	< 5

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_030_030	4/15/2013	NA	1800	NA	NA	< 0	NA
DDW	CA4110010_030_030	7/22/2013	NA	1500	NA	NA	< 0	NA
DDW	CA4110010_030_030	10/21/2013	NA	1100	< 500	NA	< 0	NA
DDW	CA4110010_030_030	1/20/2014	NA	1100	NA	NA	< 0	NA
DDW	CA4110010_030_030	4/21/2014	NA	1400	NA	NA	< 0	NA
DDW	CA4110010_030_030	10/20/2014	NA	1900	150	NA	< 0	NA
DDW	CA4110010_030_030	1/19/2015	NA	1600	NA	NA	< 0	NA
DDW	CA4110010_030_030	5/18/2015	NA	1300	NA	NA	< 0	NA
DDW	CA4110010_030_030	7/20/2015	NA	1000	NA	NA	< 0	NA
DDW	CA4110010_030_030	10/19/2015	NA	1100	< 500	NA	< 0	NA
DDW	CA4110010_030_030	1/18/2016	NA	1400	NA	NA	< 0	NA
DDW	CA4110010_030_030	5/18/2016	NA	1700	NA	NA	< 0	NA
DDW	CA4110010_030_030	9/15/2016	NA	1900	NA	NA	< 0	NA
DDW	CA4110010_030_030	12/13/2016	NA	1700	< 400	NA	< 0	NA
DDW	CA4110010_030_030	1/25/2017	NA	1600	NA	NA	< 0	NA
DDW	CA4110010_030_030	4/13/2017	NA	1700	NA	NA	< 0	NA
DDW	CA4110010_030_030	9/6/2017	NA	1700	NA	NA	< 0	NA
DDW	CA4110010_030_030	11/9/2017	NA	1700	< 400	NA	< 0	NA
DDW	CA4110010_030_030	2/7/2018	NA	1600	NA	NA	< 0	NA
DDW	CA4110010_030_030	5/1/2018	NA	1700	NA	NA	< 0	NA
DDW	CA4110010_030_030	7/26/2018	NA	1700	NA	NA	< 0	NA
DDW	CA4110010_030_030	11/15/2018	< 100	1600	< 400	< 50	< 0	< 5
DDW	CA4110010_030_030	11/5/2019	NA	NA	< 400	NA	NA	NA
DDW	CA4110010_030_030	11/12/2020	NA	NA	< 400	NA	NA	NA
DDW	CA4110010_030_030	11/10/2021	< 50	1600	NA	< 50	< 0.005	< 1
DDW	CA4110010_030_030	11/23/2021	NA	NA	< 400	NA	NA	NA
DDW	CA4110010_030_030	12/5/2022	NA	NA	< 230	NA	NA	NA
DDW	CA4110010_031_031	6/27/1997	< 100	2200	< 500	< 50	< 0.005	< 5
DDW	CA4110010_031_031	8/26/1998	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_031_031	4/12/1999	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_031_031	4/16/2001	NA	1100	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	7/16/2001	NA	1200	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	1/21/2002	NA	1000	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	5/13/2002	NA	1600	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	7/15/2002	NA	930	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	10/14/2002	NA	1100	< 500	NA	< 0.005	NA
DDW	CA4110010_031_031	1/27/2003	NA	1100	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	7/14/2003	NA	1400	NA	NA	NA	NA
DDW	CA4110010_031_031	10/13/2003	NA	1400	NA	NA	NA	NA
DDW	CA4110010_031_031	12/8/2003	< 100	1100	< 500	< 50	NA	< 5
DDW	CA4110010_031_031	1/26/2004	NA	1100	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	4/12/2004	NA	1000	NA	NA	< 0.005	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_031_031	7/12/2004	NA	1200	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	10/11/2004	NA	1200	< 500	NA	< 0.005	NA
DDW	CA4110010_031_031	1/24/2005	NA	1100	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	4/19/2005	NA	1300	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	7/17/2005	NA	1100	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	3/20/2006	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_031_031	4/20/2006	NA	1300	NA	NA	NA	NA
DDW	CA4110010_031_031	7/20/2006	NA	1100	NA	NA	NA	NA
DDW	CA4110010_031_031	10/19/2006	NA	1300	< 500	NA	NA	NA
DDW	CA4110010_031_031	12/21/2006	< 100	NA	NA	< 50	NA	< 5
DDW	CA4110010_031_031	1/25/2007	NA	1100	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	4/19/2007	NA	1100	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	7/18/2007	NA	1100	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	10/18/2007	NA	1100	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	12/20/2007	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_031_031	1/24/2008	NA	1200	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	4/17/2008	NA	1200	NA	NA	NA	NA
DDW	CA4110010_031_031	7/17/2008	NA	1200	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	10/16/2008	NA	1100	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	12/30/2008	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_031_031	1/15/2009	NA	1000	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	4/16/2009	NA	980	NA	NA	NA	NA
DDW	CA4110010_031_031	7/16/2009	NA	1100	NA	NA	0.006	NA
DDW	CA4110010_031_031	10/22/2009	< 100	1300	< 500	< 50	< 0.005	< 5
DDW	CA4110010_031_031	1/21/2010	NA	980	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	4/15/2010	NA	1100	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	7/15/2010	NA	1100	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	10/21/2010	NA	1100	< 500	NA	< 0.005	NA
DDW	CA4110010_031_031	1/20/2011	NA	1200	NA	NA	< 0	NA
DDW	CA4110010_031_031	4/21/2011	NA	690	NA	NA	< 0	NA
DDW	CA4110010_031_031	7/21/2011	NA	1100	NA	NA	< 0	NA
DDW	CA4110010_031_031	10/20/2011	NA	1100	< 500	NA	< 0	NA
DDW	CA4110010_031_031	4/19/2012	NA	1200	NA	NA	< 0	NA
DDW	CA4110010_031_031	7/19/2012	NA	1100	NA	NA	< 0	NA
DDW	CA4110010_031_031	10/15/2012	< 100	1200	< 500	< 50	< 0	< 5
DDW	CA4110010_031_031	4/15/2013	NA	1100	NA	NA	< 0	NA
DDW	CA4110010_031_031	7/22/2013	NA	1100	NA	NA	< 0	NA
DDW	CA4110010_031_031	10/21/2013	NA	880	< 500	NA	< 0	NA
DDW	CA4110010_031_031	1/20/2014	NA	1100	NA	NA	< 0	NA
DDW	CA4110010_031_031	4/21/2014	NA	1000	NA	NA	< 0	NA
DDW	CA4110010_031_031	10/20/2014	NA	970	< 500	NA	< 0	NA
DDW	CA4110010_031_031	1/19/2015	NA	< 100	NA	NA	< 0	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_031_031	4/20/2015	NA	< 100	NA	NA	< 0	NA
DDW	CA4110010_031_031	7/20/2015	NA	970	NA	NA	< 0	NA
DDW	CA4110010_031_031	10/19/2015	NA	760	< 500	NA	< 0	NA
DDW	CA4110010_031_031	1/18/2016	NA	710	NA	NA	< 0	NA
DDW	CA4110010_031_031	5/18/2016	NA	1300	NA	NA	< 0	NA
DDW	CA4110010_031_031	9/15/2016	NA	1400	NA	NA	< 0	NA
DDW	CA4110010_031_031	12/1/2016	NA	1200	< 400	NA	< 0	NA
DDW	CA4110010_031_031	1/25/2017	NA	1300	NA	NA	< 0	NA
DDW	CA4110010_031_031	4/13/2017	NA	1100	NA	NA	< 0	NA
DDW	CA4110010_031_031	8/10/2017	NA	1200	NA	NA	< 0	NA
DDW	CA4110010_031_031	11/9/2017	NA	1300	< 400	NA	< 0	NA
DDW	CA4110010_031_031	2/7/2018	NA	1200	NA	NA	< 0	NA
DDW	CA4110010_031_031	5/1/2018	NA	1200	NA	NA	< 0	NA
DDW	CA4110010_031_031	7/26/2018	NA	1300	NA	NA	< 0	NA
DDW	CA4110010_031_031	11/15/2018	< 100	1200	< 400	< 50	< 0	< 5
DDW	CA4110010_031_031	11/5/2019	NA	NA	< 400	NA	NA	NA
DDW	CA4110010_031_031	11/12/2020	NA	NA	< 400	NA	NA	NA
DDW	CA4110010_031_031	11/10/2021	< 50	1200	NA	< 50	< 0.005	< 1
DDW	CA4110010_031_031	11/23/2021	NA	NA	< 400	NA	NA	NA
DDW	CA4110010_031_031	12/5/2022	NA	NA	< 230	NA	NA	NA
DDW	CA4110010_032_032	6/27/1997	< 100	2200	< 500	< 50	< 0.005	< 5
DDW	CA4110010_032_032	8/26/1998	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_032_032	4/12/1999	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_032_032	4/16/2001	NA	1100	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	7/16/2001	NA	1100	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	2/11/2002	NA	940	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	5/13/2002	NA	1000	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	7/15/2002	NA	700	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	10/14/2002	NA	830	< 500	NA	< 0.005	NA
DDW	CA4110010_032_032	1/27/2003	NA	950	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	7/14/2003	NA	860	NA	NA	NA	NA
DDW	CA4110010_032_032	10/13/2003	NA	1100	NA	NA	NA	NA
DDW	CA4110010_032_032	12/8/2003	< 100	830	< 500	< 50	NA	< 5
DDW	CA4110010_032_032	1/26/2004	NA	820	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	4/12/2004	NA	760	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	7/12/2004	NA	790	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	10/11/2004	NA	930	< 500	NA	< 0.005	NA
DDW	CA4110010_032_032	1/24/2005	NA	740	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	4/19/2005	NA	910	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	7/17/2005	NA	740	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	10/17/2005	NA	710	< 500	NA	< 0.005	NA
DDW	CA4110010_032_032	1/19/2006	NA	860	NA	NA	< 0.005	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_032_032	3/20/2006	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_032_032	4/20/2006	NA	940	NA	NA	NA	NA
DDW	CA4110010_032_032	7/20/2006	NA	820	NA	NA	NA	NA
DDW	CA4110010_032_032	11/16/2006	NA	920	< 500	NA	NA	NA
DDW	CA4110010_032_032	12/21/2006	< 100	800	< 500	< 50	NA	< 5
DDW	CA4110010_032_032	1/25/2007	NA	710	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	4/19/2007	NA	880	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	7/19/2007	NA	1300	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	10/18/2007	NA	760	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	1/14/2008	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_032_032	1/24/2008	NA	1000	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	4/17/2008	NA	910	NA	NA	NA	NA
DDW	CA4110010_032_032	7/17/2008	NA	840	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	10/16/2008	NA	800	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	12/30/2008	NA	NA	< 500	NA	NA	NA
DDW	CA4110010_032_032	1/15/2009	NA	740	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	4/16/2009	NA	780	NA	NA	NA	NA
DDW	CA4110010_032_032	7/16/2009	NA	920	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	10/22/2009	< 100	960	< 500	< 50	< 0.005	15
DDW	CA4110010_032_032	1/21/2010	NA	710	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	4/15/2010	NA	750	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	7/15/2010	NA	940	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	10/21/2010	NA	980	< 500	NA	< 0.005	NA
DDW	CA4110010_032_032	1/20/2011	NA	910	NA	NA	< 0	NA
DDW	CA4110010_032_032	4/21/2011	NA	990	NA	NA	< 0	NA
DDW	CA4110010_032_032	7/21/2011	NA	790	NA	NA	< 0	NA
DDW	CA4110010_032_032	10/20/2011	NA	830	< 500	NA	< 0	NA
DDW	CA4110010_032_032	4/19/2012	NA	890	NA	NA	< 0	NA
DDW	CA4110010_032_032	7/19/2012	NA	940	NA	NA	< 0	NA
DDW	CA4110010_032_032	10/15/2012	< 100	930	< 500	< 50	< 0	< 5
DDW	CA4110010_032_032	2/18/2013	NA	730	NA	NA	< 0	NA
DDW	CA4110010_032_032	4/15/2013	NA	800	NA	NA	< 0	NA
DDW	CA4110010_032_032	7/22/2013	NA	840	NA	NA	< 0	NA
DDW	CA4110010_032_032	10/21/2013	NA	630	< 500	NA	< 0	NA
DDW	CA4110010_032_032	1/20/2014	NA	780	NA	NA	< 0	NA
DDW	CA4110010_032_032	4/21/2014	NA	860	NA	NA	< 0	NA
DDW	CA4110010_032_032	10/20/2014	NA	820	150	NA	< 0	NA
DDW	CA4110010_032_032	1/19/2015	NA	< 100	NA	NA	< 0	NA
DDW	CA4110010_032_032	4/20/2015	NA	< 100	NA	NA	< 0	NA
DDW	CA4110010_032_032	7/20/2015	NA	770	NA	NA	< 0	NA
DDW	CA4110010_032_032	10/19/2015	NA	600	< 500	NA	< 0	NA
DDW	CA4110010_032_032	1/18/2016	NA	170	NA	NA	< 0	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_032_032	5/18/2016	NA	960	NA	NA	< 0	NA
DDW	CA4110010_032_032	9/15/2016	NA	1100	NA	NA	< 0	NA
DDW	CA4110010_032_032	12/1/2016	NA	1000	< 400	NA	< 0	NA
DDW	CA4110010_032_032	1/25/2017	NA	970	NA	NA	< 0	NA
DDW	CA4110010_032_032	4/13/2017	NA	1100	NA	NA	< 0	NA
DDW	CA4110010_032_032	8/10/2017	NA	970	NA	NA	< 0	NA
DDW	CA4110010_032_032	11/9/2017	NA	980	< 400	NA	< 0	NA
DDW	CA4110010_032_032	2/7/2018	NA	1500	NA	NA	< 0	NA
DDW	CA4110010_032_032	5/1/2018	NA	1100	NA	NA	< 0	NA
DDW	CA4110010_032_032	7/26/2018	NA	1000	NA	NA	< 0	NA
DDW	CA4110010_032_032	11/15/2018	< 100	990	< 400	< 50	< 0	< 5
DDW	CA4110010_032_032	11/5/2019	NA	NA	< 400	NA	NA	NA
DDW	CA4110010_032_032	11/12/2020	NA	NA	< 400	NA	NA	NA
DDW	CA4110010_032_032	11/10/2021	< 50	1000	NA	< 50	< 0.005	< 1
DDW	CA4110010_032_032	11/23/2021	NA	NA	< 400	NA	NA	NA
DDW	CA4110010_032_032	12/5/2022	NA	NA	< 230	NA	NA	NA
DDW	CA4110011_002_002	9/7/1989	36	< 0	660	NA	< 0.005	< 5
DDW	CA4110011_002_002	12/12/1989	24	310	560	NA	< 0.005	< 5
DDW	CA4110011_002_002	6/19/1990	21	300	990	< 50	< 0.005	< 5
DDW	CA4110011_002_002	6/9/1992	< 100	360	1800	< 50	< 0.005	< 5
DDW	CA4110011_002_002	7/13/1998	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_002_002	1/26/1999	< 100	< 0	NA	610	< 0.005	< 5
DDW	CA4110011_002_002	12/18/2000	NA	NA	2530	NA	NA	NA
DDW	CA4110011_002_002	3/14/2005	< 100	340	2000	< 50	< 0.005	< 5
DDW	CA4110011_002_002	5/14/2007	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_002_002	2/20/2008	NA	NA	2500	NA	NA	NA
DDW	CA4110011_002_002	1/28/2009	< 100	280	2500	480	< 0.005	10
DDW	CA4110011_002_002	3/3/2010	NA	NA	3600	NA	NA	NA
DDW	CA4110011_002_002	1/26/2011	NA	NA	3400	NA	NA	NA
DDW	CA4110011_002_002	3/7/2012	NA	NA	2900	NA	NA	NA
DDW	CA4110011_002_002	6/12/2013	< 100	250	2300	< 50	NA	< 5
DDW	CA4110011_002_002	4/21/2014	NA	NA	2000	NA	NA	NA
DDW	CA4110011_002_002	3/25/2015	< 100	250	2000	< 50	NA	< 5
DDW	CA4110011_002_002	3/30/2016	NA	NA	1600	NA	NA	NA
DDW	CA4110011_002_002	3/20/2017	NA	NA	< 400	NA	NA	NA
DDW	CA4110011_002_002	3/14/2018	NA	NA	2700	NA	< 0	NA
DDW	CA4110011_002_002	4/17/2019	33	160	2200	< 50	NA	< 5
DDW	CA4110011_002_002	4/21/2020	NA	NA	2900	NA	NA	NA
DDW	CA4110011_002_002	3/17/2021	NA	NA	1700	NA	NA	NA
DDW	CA4110011_002_002	3/9/2022	58.4	200	2700	1050	< 0.005	1.9
DDW	CA4110011_002_002	2/15/2023	NA	NA	3100	NA	NA	NA
DDW	CA4110011_003_003	9/7/1989	21	< 0	880	NA	< 0.005	< 5

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110011_003_003	12/12/1989	24	350	1100	NA	< 0.005	7
DDW	CA4110011_003_003	3/6/1990	16	310	810	NA	< 0.005	< 5
DDW	CA4110011_003_003	6/19/1990	11	360	950	< 50	< 0.005	< 5
DDW	CA4110011_003_003	6/9/1992	< 100	390	2000	< 50	< 0.005	< 5
DDW	CA4110011_003_003	7/13/1998	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_003_003	1/26/1999	< 100	< 0	NA	< 50	< 0.005	< 5
DDW	CA4110011_003_003	12/18/2000	NA	NA	1840	NA	NA	NA
DDW	CA4110011_003_003	4/11/2005	NA	NA	2700	NA	NA	NA
DDW	CA4110011_004_004	6/15/1989	25	< 0	220	NA	< 0.005	< 5
DDW	CA4110011_004_004	12/12/1989	24	400	170	NA	< 0.005	< 5
DDW	CA4110011_004_004	3/6/1990	< 100	480	56	NA	< 0.005	8.7
DDW	CA4110011_004_004	6/19/1990	46	380	< 500	1600	< 0.005	< 5
DDW	CA4110011_004_004	6/9/1992	< 100	320	380	< 50	< 0.005	< 5
DDW	CA4110011_004_004	7/13/1998	NA	NA	1500	NA	NA	NA
DDW	CA4110011_004_004	2/28/2000	21	370	380	< 50	< 0.005	< 5
DDW	CA4110011_004_004	4/11/2005	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_004_004	2/27/2007	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_004_004	2/20/2008	< 100	260	700	< 50	NA	< 5
DDW	CA4110011_004_004	1/28/2009	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_004_004	3/3/2010	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_004_004	1/26/2011	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_004_004	3/7/2012	< 100	290	< 500	81	NA	< 5
DDW	CA4110011_005_005	9/7/1989	56	< 0	1300	NA	< 0.005	< 5
DDW	CA4110011_005_005	12/12/1989	32	220	1000	NA	< 0.005	6.1
DDW	CA4110011_005_005	3/6/1990	22	220	1200	NA	< 0.005	7.8
DDW	CA4110011_005_005	6/19/1990	31	200	930	< 50	< 0.005	< 5
DDW	CA4110011_005_005	6/9/1992	< 100	320	2900	< 50	< 0.005	< 5
DDW	CA4110011_005_005	7/13/1998	NA	NA	1400	NA	NA	NA
DDW	CA4110011_005_005	1/26/1999	< 100	< 0	NA	74	< 0.005	< 5
DDW	CA4110011_005_005	12/18/2000	NA	NA	1500	NA	NA	NA
DDW	CA4110011_005_005	4/11/2005	< 100	280	5600	133	< 0.005	< 5
DDW	CA4110011_005_005	2/28/2006	NA	NA	5400	NA	NA	NA
DDW	CA4110011_005_005	5/30/2006	NA	NA	6100	NA	NA	NA
DDW	CA4110011_005_005	8/14/2006	NA	NA	6100	NA	NA	NA
DDW	CA4110011_005_005	12/4/2006	NA	NA	5900	NA	NA	NA
DDW	CA4110011_005_005	2/27/2007	NA	NA	7500	NA	NA	NA
DDW	CA4110011_005_005	5/14/2007	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_005_005	8/28/2007	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_005_005	2/25/2008	< 100	260	6800	506	< 0.005	< 5
DDW	CA4110011_005_005	6/9/2008	NA	NA	6300	< 50	NA	NA
DDW	CA4110011_005_005	1/28/2009	NA	NA	6800	NA	NA	NA
DDW	CA4110011_005_005	3/3/2010	NA	NA	6100	NA	< 0.005	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110011_005_005	1/26/2011	NA	NA	6300	NA	NA	NA
DDW	CA4110011_005_005	3/7/2012	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_005_005	3/20/2012	NA	NA	5400	NA	NA	NA
DDW	CA4110011_005_005	3/25/2015	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_007_007	6/15/1989	41	< 0	540	NA	< 0.005	< 5
DDW	CA4110011_007_007	12/12/1989	23	400	100	NA	< 0.005	5.2
DDW	CA4110011_007_007	6/9/1992	< 100	300	540	< 50	< 0.005	< 5
DDW	CA4110011_007_007	7/13/1998	NA	NA	2900	NA	NA	NA
DDW	CA4110011_007_007	2/28/2000	49	380	380	< 50	< 0.005	< 5
DDW	CA4110011_007_007	4/11/2005	NA	NA	700	NA	NA	NA
DDW	CA4110011_007_007	2/28/2006	< 100	390	900	< 50	< 0.005	< 5
DDW	CA4110011_007_007	6/13/2007	< 100	270	700	< 50	< 0.005	< 5
DDW	CA4110011_007_007	2/20/2008	NA	NA	1000	NA	NA	NA
DDW	CA4110011_007_007	1/28/2009	NA	NA	700	NA	NA	NA
DDW	CA4110011_007_007	3/3/2010	NA	NA	900	NA	NA	NA
DDW	CA4110011_007_007	1/26/2011	< 100	370	2000	< 50	NA	< 5
DDW	CA4110011_007_007	3/7/2012	NA	NA	2000	NA	NA	NA
DDW	CA4110011_007_007	12/18/2013	NA	NA	1000	NA	NA	NA
DDW	CA4110011_007_007	3/25/2015	NA	NA	2000	NA	NA	NA
DDW	CA4110011_008_008	6/15/1989	47	480	< 500	NA	< 0.005	12
DDW	CA4110011_008_008	12/12/1989	28	480	< 500	NA	< 0.005	< 5
DDW	CA4110011_008_008	3/6/1990	12	590	< 500	NA	< 0.005	< 5
DDW	CA4110011_008_008	6/19/1990	21	540	< 500	< 50	< 0.005	< 5
DDW	CA4110011_008_008	6/9/1992	< 100	700	< 500	< 50	< 0.005	< 5
DDW	CA4110011_008_008	7/13/1998	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_008_008	1/26/1999	< 100	400	NA	< 50	< 0.005	< 5
DDW	CA4110011_008_008	3/1/2005	< 100	530	< 500	< 50	NA	< 5
DDW	CA4110011_008_008	2/28/2006	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_008_008	2/27/2007	NA	NA	< 500	NA	< 0.005	NA
DDW	CA4110011_008_008	2/25/2008	< 100	600	< 500	< 50	NA	< 5
DDW	CA4110011_008_008	1/28/2009	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_008_008	3/31/2010	NA	NA	< 500	NA	< 0.005	NA
DDW	CA4110011_008_008	1/26/2011	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_008_008	3/7/2012	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_008_008	6/12/2013	< 100	640	< 500	< 50	NA	< 5
DDW	CA4110011_008_008	3/19/2014	< 100	610	< 500	< 50	NA	< 5
DDW	CA4110011_008_008	3/10/2015	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_008_008	6/15/2016	NA	NA	< 400	NA	NA	NA
DDW	CA4110011_008_008	3/20/2017	< 100	720	< 400	< 50	NA	< 5
DDW	CA4110011_008_008	3/14/2018	NA	NA	< 400	NA	< 0	NA
DDW	CA4110011_008_008	4/17/2019	NA	NA	< 400	NA	NA	NA
DDW	CA4110011_008_008	3/17/2020	18	580	< 400	< 50	NA	< 5

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110011_008_008	3/17/2021	NA	NA	< 100	NA	< 0	NA
DDW	CA4110011_008_008	3/9/2022	NA	NA	< 100	NA	< 0.005	NA
DDW	CA4110011_008_008	3/22/2023	19	600	< 100	< 15	NA	< 1
DDW	CA4110011_012_012	9/7/1989	45	< 0	100	NA	< 0.005	< 5
DDW	CA4110011_012_012	12/12/1989	39	100	< 500	NA	< 0.005	< 5
DDW	CA4110011_012_012	3/6/1990	24	110	950	NA	< 0.005	< 5
DDW	CA4110011_012_012	12/11/1992	< 100	220	1000	< 50	< 0.005	< 5
DDW	CA4110011_012_012	7/13/1998	NA	NA	1500	NA	NA	NA
DDW	CA4110011_012_012	11/6/1998	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_012_012	1/26/1999	< 100	< 0	1700	< 50	< 0.005	< 5
DDW	CA4110011_012_012	8/30/1999	NA	NA	691	NA	< 0.005	NA
DDW	CA4110011_012_012	12/13/2005	NA	NA	900	NA	NA	NA
DDW	CA4110011_012_012	12/13/2006	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_012_012	11/29/2007	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_012_012	10/22/2008	< 100	150	< 500	< 50	< 0.005	< 5
DDW	CA4110011_012_012	11/16/2009	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_012_012	10/18/2010	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_012_012	3/8/2011	NA	NA	900	NA	NA	NA
DDW	CA4110011_012_012	3/5/2012	NA	NA	500	NA	NA	NA
DDW	CA4110011_012_012	2/27/2013	NA	NA	700	NA	NA	NA
DDW	CA4110011_012_012	2/18/2014	< 100	140	700	< 50	NA	< 5
DDW	CA4110011_012_012	2/25/2015	NA	NA	700	NA	NA	NA
DDW	CA4110011_012_012	3/30/2016	NA	NA	1500	NA	NA	NA
DDW	CA4110011_012_012	3/7/2017	NA	NA	1100	NA	NA	NA
DDW	CA4110011_012_012	2/20/2018	NA	NA	600	NA	< 0	NA
DDW	CA4110011_012_012	2/21/2019	NA	NA	1600	NA	NA	NA
DDW	CA4110011_012_012	2/26/2020	25	< 100	400	< 50	NA	< 5
DDW	CA4110011_012_012	2/10/2021	NA	NA	< 100	NA	NA	NA
DDW	CA4110011_012_012	2/8/2022	NA	NA	400	NA	NA	NA
DDW	CA4110011_012_012	2/28/2023	NA	NA	300	NA	NA	NA
DDW	CA4110011_013_013	9/7/1989	60	< 0	590	NA	< 0.005	< 5
DDW	CA4110011_013_013	12/12/1989	32	130	340	NA	< 0.005	< 5
DDW	CA4110011_013_013	3/6/1990	26	130	660	NA	< 0.005	< 5
DDW	CA4110011_013_013	12/11/1992	< 100	300	610	< 50	< 0.005	< 5
DDW	CA4110011_013_013	7/13/1998	NA	NA	1600	NA	NA	NA
DDW	CA4110011_013_013	11/6/1998	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_013_013	1/26/1999	< 100	< 0	900	< 50	< 0.005	< 5
DDW	CA4110011_013_013	8/30/1999	NA	NA	759	NA	< 0.005	NA
DDW	CA4110011_013_013	12/29/2005	NA	NA	500	NA	NA	NA
DDW	CA4110011_013_013	11/29/2007	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_013_013	10/22/2008	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_013_013	11/16/2009	119	180	< 500	1600	< 0.005	71

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110011_013_013	10/18/2010	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_013_013	3/8/2011	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_013_013	3/5/2012	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_013_013	2/27/2013	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_013_013	2/18/2014	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_013_013	12/16/2015	< 100	200	200	1200	NA	< 5
DDW	CA4110011_014_014	9/7/1989	56	< 0	235	NA	< 0.005	< 5
DDW	CA4110011_014_014	12/12/1989	41	110	84	NA	< 0.005	< 5
DDW	CA4110011_014_014	3/6/1990	20	120	500	NA	< 0.005	< 5
DDW	CA4110011_014_014	12/11/1992	< 100	260	750	< 50	< 0.005	< 5
DDW	CA4110011_014_014	7/13/1998	NA	NA	1500	NA	NA	NA
DDW	CA4110011_014_014	11/6/1998	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_014_014	1/26/1999	< 100	< 0	1400	< 50	< 0.005	< 5
DDW	CA4110011_014_014	8/30/1999	NA	NA	434	NA	< 0.005	NA
DDW	CA4110011_014_014	12/13/2005	NA	NA	500	NA	NA	NA
DDW	CA4110011_014_014	11/29/2007	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_014_014	10/22/2008	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_014_014	11/16/2009	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_014_014	3/8/2011	NA	NA	900	NA	NA	NA
DDW	CA4110011_014_014	3/5/2012	NA	NA	500	NA	NA	NA
DDW	CA4110011_014_014	2/27/2013	NA	NA	700	NA	NA	NA
DDW	CA4110011_014_014	2/18/2014	NA	NA	500	NA	NA	NA
DDW	CA4110011_014_014	2/27/2017	< 100	210	1100	< 50	NA	< 5
DDW	CA4110011_014_014	2/20/2018	NA	NA	600	NA	< 0	NA
DDW	CA4110011_014_014	2/21/2019	NA	NA	1100	NA	NA	NA
DDW	CA4110011_014_014	2/26/2020	NA	NA	400	NA	NA	NA
DDW	CA4110011_014_014	2/10/2021	NA	NA	400	NA	NA	NA
DDW	CA4110011_014_014	3/25/2021	25.3	200	400	< 15	< 0	< 1
DDW	CA4110011_014_014	3/22/2022	33.6	100	300	< 15	NA	< 1
DDW	CA4110011_014_014	3/22/2023	49.6	100	400	< 15	NA	< 1
DDW	CA4110011_015_015	9/7/1989	52	500	770	NA	NA	< 5
DDW	CA4110011_015_015	12/12/1989	41	140	200	NA	< 0.005	< 5
DDW	CA4110011_015_015	12/11/1992	< 100	310	360	< 50	< 0.005	< 5
DDW	CA4110011_015_015	7/13/1998	NA	NA	1600	NA	NA	NA
DDW	CA4110011_015_015	11/6/1998	NA	NA	1200	NA	NA	NA
DDW	CA4110011_015_015	1/26/1999	< 100	< 0	590	< 50	< 0.005	< 5
DDW	CA4110011_015_015	12/13/2005	NA	NA	700	NA	< 0.005	NA
DDW	CA4110011_015_015	11/29/2007	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_015_015	10/22/2008	< 100	180	< 500	< 50	NA	17
DDW	CA4110011_015_015	11/16/2009	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_015_015	3/8/2011	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_015_015	3/5/2012	NA	NA	< 500	NA	NA	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110011_015_015	2/27/2013	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_015_015	2/18/2014	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_015_015	1/30/2017	< 100	180	500	< 50	NA	< 5
DDW	CA4110011_015_015	2/20/2018	NA	NA	400	NA	< 0	NA
DDW	CA4110011_015_015	11/26/2018	NA	NA	400	NA	< 0	NA
DDW	CA4110011_015_015	1/9/2019	27	110	500	< 50	NA	< 5
DDW	CA4110011_015_015	2/21/2019	NA	NA	700	NA	NA	NA
DDW	CA4110011_015_015	8/20/2019	NA	NA	300	NA	NA	NA
DDW	CA4110011_015_015	11/6/2019	NA	NA	200	NA	NA	NA
DDW	CA4110011_015_015	1/13/2020	29	< 100	300	< 50	NA	< 5
DDW	CA4110011_015_015	2/26/2020	NA	NA	400	NA	NA	NA
DDW	CA4110011_015_015	5/13/2020	NA	NA	300	NA	NA	NA
DDW	CA4110011_015_015	8/31/2020	NA	NA	< 400	NA	NA	NA
DDW	CA4110011_015_015	11/17/2020	NA	NA	< 400	NA	NA	NA
DDW	CA4110011_015_015	1/26/2021	28	120	100	< 50	NA	< 5
DDW	CA4110011_015_015	2/10/2021	NA	NA	300	NA	NA	NA
DDW	CA4110011_015_015	1/31/2022	35.8	100	300	< 15	NA	< 1
DDW	CA4110011_015_015	2/8/2022	NA	NA	400	NA	NA	NA
DDW	CA4110011_015_015	1/25/2023	33.2	100	200	< 15	NA	< 1
DDW	CA4110011_015_015	2/28/2023	NA	NA	300	NA	NA	NA
DDW	CA4110011_016_016	10/17/1989	< 100	130	180	NA	< 0.005	< 5
DDW	CA4110011_016_016	12/12/1989	35	130	500	NA	< 0.005	< 5
DDW	CA4110011_016_016	3/6/1990	20	100	860	NA	< 0.005	14
DDW	CA4110011_016_016	12/11/1992	< 100	250	900	< 50	< 0.005	< 5
DDW	CA4110011_016_016	7/13/1998	NA	NA	1900	NA	NA	NA
DDW	CA4110011_016_016	11/6/1998	NA	NA	1600	NA	NA	NA
DDW	CA4110011_016_016	1/26/1999	< 100	< 0	1700	< 50	< 0.005	< 5
DDW	CA4110011_016_016	8/30/1999	NA	NA	743	NA	< 0.005	NA
DDW	CA4110011_016_016	11/15/2004	NA	NA	500	NA	NA	NA
DDW	CA4110011_016_016	12/13/2005	< 100	70	1000	300	NA	< 5
DDW	CA4110011_016_016	4/10/2006	NA	NA	2000	NA	NA	NA
DDW	CA4110011_016_016	12/13/2006	NA	NA	700	NA	NA	NA
DDW	CA4110011_016_016	11/29/2007	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_016_016	10/22/2008	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_016_016	11/25/2008	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_016_016	11/16/2009	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_016_016	10/18/2010	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_016_016	3/8/2011	< 100	150	900	216	NA	< 5
DDW	CA4110011_016_016	3/5/2012	NA	NA	700	NA	NA	NA
DDW	CA4110011_016_016	2/27/2013	NA	NA	700	NA	NA	NA
DDW	CA4110011_016_016	2/18/2014	NA	NA	700	NA	NA	NA
DDW	CA4110011_016_016	2/25/2015	NA	NA	700	NA	NA	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110011_016_016	3/30/2016	NA	NA	600	NA	NA	NA
DDW	CA4110011_016_016	3/7/2017	< 100	160	500	64	NA	< 5
DDW	CA4110011_016_016	2/20/2018	NA	NA	600	NA	< 0	NA
DDW	CA4110011_016_016	2/21/2019	NA	NA	1000	NA	NA	NA
DDW	CA4110011_016_016	2/26/2020	NA	NA	300	NA	NA	NA
DDW	CA4110011_016_016	2/10/2021	NA	NA	500	NA	NA	NA
DDW	CA4110011_016_016	2/8/2022	NA	NA	300	NA	NA	NA
DDW	CA4110011_016_016	2/28/2023	NA	NA	200	NA	NA	NA
DDW	CA4110011_016_016	3/22/2023	21.6	< 100	300	56	NA	< 1
DDW	CA4110011_017_017	9/7/1989	56	< 0	790	NA	< 0.005	< 5
DDW	CA4110011_017_017	12/12/1989	33	150	320	NA	< 0.005	< 5
DDW	CA4110011_017_017	3/6/1990	16	200	810	NA	< 0.005	< 5
DDW	CA4110011_017_017	12/11/1992	< 100	310	930	< 50	< 0.005	< 5
DDW	CA4110011_017_017	7/13/1998	NA	NA	1700	NA	NA	NA
DDW	CA4110011_017_017	11/6/1998	NA	NA	1500	NA	NA	NA
DDW	CA4110011_017_017	1/26/1999	< 100	< 0	1200	< 50	< 0.005	< 5
DDW	CA4110011_017_017	8/30/1999	NA	NA	669	NA	< 0.005	NA
DDW	CA4110011_017_017	12/13/2005	NA	NA	900	NA	NA	NA
DDW	CA4110011_017_017	12/13/2006	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_017_017	11/29/2007	< 100	230	< 500	180	< 0.005	< 5
DDW	CA4110011_017_017	11/25/2008	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_017_017	10/18/2010	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_017_017	3/8/2011	NA	NA	900	NA	NA	NA
DDW	CA4110011_017_017	3/5/2012	NA	NA	500	NA	NA	NA
DDW	CA4110011_017_017	2/27/2013	< 100	170	700	< 50	NA	< 5
DDW	CA4110011_017_017	2/18/2014	NA	NA	500	NA	NA	NA
DDW	CA4110011_017_017	2/25/2015	NA	NA	700	NA	NA	NA
DDW	CA4110011_017_017	3/30/2016	NA	NA	700	NA	NA	NA
DDW	CA4110011_017_017	3/7/2017	NA	NA	500	NA	NA	NA
DDW	CA4110011_017_017	2/20/2018	NA	NA	500	NA	< 0	NA
DDW	CA4110011_017_017	2/21/2019	30	170	900	< 50	NA	< 5
DDW	CA4110011_017_017	2/26/2020	NA	NA	300	NA	NA	NA
DDW	CA4110011_017_017	2/10/2021	NA	NA	400	NA	NA	NA
DDW	CA4110011_017_017	2/8/2022	NA	NA	300	NA	NA	NA
DDW	CA4110011_017_017	2/28/2023	NA	NA	200	NA	NA	NA
DDW	CA4110011_020_020	7/13/1998	NA	NA	1800	NA	NA	NA
DDW	CA4110011_020_020	11/6/1998	NA	NA	1500	NA	NA	NA
DDW	CA4110011_020_020	1/26/1999	< 100	< 0	1300	< 50	< 0.005	< 5
DDW	CA4110011_020_020	8/30/1999	NA	NA	691	NA	< 0.005	NA
DDW	CA4110011_020_020	12/13/2005	NA	NA	900	NA	NA	NA
DDW	CA4110011_020_020	4/10/2006	NA	NA	900	NA	NA	NA
DDW	CA4110011_020_020	12/13/2006	< 100	170	500	< 50	< 0.005	< 5

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110011_020_020	11/29/2007	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_020_020	11/16/2009	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_020_020	10/18/2010	NA	NA	< 500	NA	NA	NA
DDW	CA4110011_020_020	3/8/2011	NA	NA	900	NA	NA	NA
DDW	CA4110011_020_020	3/5/2012	< 100	150	700	< 50	NA	< 5
DDW	CA4110011_020_020	2/27/2013	NA	NA	700	NA	NA	NA
DDW	CA4110011_020_020	2/18/2014	NA	NA	700	NA	NA	NA
DDW	CA4110011_020_020	2/25/2015	NA	NA	700	NA	NA	NA
DDW	CA4110011_020_020	3/30/2016	NA	NA	800	NA	NA	NA
DDW	CA4110011_020_020	3/7/2017	NA	NA	600	NA	NA	NA
DDW	CA4110011_020_020	3/14/2018	< 100	190	600	< 50	< 0	< 5
DDW	CA4110011_020_020	4/17/2019	NA	NA	700	NA	NA	NA
DDW	CA4110011_020_020	5/13/2020	NA	NA	300	NA	NA	NA
DDW	CA4110011_020_020	2/10/2021	NA	NA	500	NA	NA	NA
DDW	CA4110011_020_020	2/8/2022	NA	NA	400	NA	NA	NA
DDW	CA4110011_020_020	2/28/2023	NA	NA	300	NA	NA	NA
DDW	CA4110015_001_001	12/18/1993	< 100	1000	< 500	300	NA	17
DDW	CA4110015_002_002	10/16/1985	< 100	160	38	NA	NA	< 5
DDW	CA4110015_002_002	12/6/1988	< 100	< 0	70	NA	NA	< 5
DDW	CA4110015_002_002	12/16/1992	< 100	290	< 500	< 50	NA	< 5
DDW	CA4110015_002_002	4/9/2007	110	100	340	94	NA	NA
DDW	CA4300775_001_001	9/8/1994	< 100	130	< 500	< 50	NA	6
DDW	CA4300775_001_001	5/16/1996	NA	NA	520	NA	NA	NA
DDW	CA4300775_001_001	1/21/1997	NA	NA	3410	NA	NA	NA
DDW	CA4300775_001_001	5/4/1999	NA	NA	590	NA	NA	NA
DDW	CA4300775_001_001	3/20/2000	NA	NA	< 500	NA	NA	NA
DDW	CA4300775_001_001	4/24/2001	NA	NA	1200	NA	NA	NA
DDW	CA4300775_001_001	4/15/2002	NA	NA	520	NA	NA	NA
DDW	CA4300775_001_001	12/17/2002	NA	NA	2850	NA	NA	NA
DDW	CA4300775_001_001	10/5/2004	NA	NA	1300	NA	NA	NA
DDW	CA4300775_001_001	10/5/2005	NA	NA	320	NA	NA	NA
DDW	CA4300775_001_001	12/28/2006	NA	NA	270	NA	NA	NA
DDW	CA4300775_001_001	1/26/2010	NA	NA	990	NA	NA	NA
DDW	CA4110015_001_001	5/1/1989	NA	NA	NA	< 50	NA	NA
DDW	CA4110015_002_002	5/25/1989	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110015_001_001	5/25/1989	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110015_002_002	8/30/1989	NA	NA	NA	0.09	< 0.005	NA
DDW	CA4110015_001_001	8/30/1989	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110011_002_002	9/26/1989	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110011_005_005	9/26/1989	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110011_017_017	10/17/1989	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110015_002_002	12/5/1989	NA	NA	NA	NA	< 0.005	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110015_001_001	12/5/1989	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110015_002_002	12/7/1990	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110015_001_001	12/7/1990	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110015_002_002	12/13/1993	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110015_001_001	12/13/1993	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	6/16/1994	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	6/22/1994	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	6/24/1994	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	6/28/1994	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	6/28/1994	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	7/18/1994	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	8/22/1994	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	8/22/1994	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110011_012_012	2/22/1996	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110011_002_002	2/22/1996	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	1/6/1998	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	1/6/1998	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	3/2/1998	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	6/1/1998	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	6/1/1998	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	12/14/1998	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	12/14/1998	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	12/14/1998	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	1/28/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	3/4/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	3/4/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	6/7/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	6/7/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_030_030	12/6/1999	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110011_002_002	12/27/1999	NA	NA	NA	< 50	NA	NA
DDW	CA4110010_030_030	3/6/2000	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	3/6/2000	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110011_008_008	3/2/2004	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110011_016_016	12/29/2005	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110011_008_008	3/12/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	3/19/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	3/30/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	4/2/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	4/9/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	4/17/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	4/26/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	4/30/2007	NA	NA	NA	< 50	NA	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110011_008_008	5/7/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	5/14/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	5/22/2007	NA	NA	NA	146	NA	NA
DDW	CA4110011_008_008	5/22/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	5/29/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	5/29/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	6/4/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	6/12/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	6/12/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	6/18/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	6/18/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	6/26/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	6/26/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	6/26/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	7/2/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	7/2/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	7/2/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	7/9/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	7/2/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	7/9/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	7/9/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	7/9/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	7/16/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	7/16/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	7/25/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	7/25/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	7/25/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	7/31/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	7/31/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	7/31/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	8/7/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	8/7/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	8/15/2007	NA	NA	NA	54	NA	NA
DDW	CA4110011_007_007	8/15/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	8/15/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	8/20/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	8/20/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	8/20/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	8/27/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	8/27/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	8/27/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	9/5/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	9/5/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	9/5/2007	NA	NA	NA	< 50	NA	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110011_002_002	9/11/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	9/11/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	9/11/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	9/17/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	9/17/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	9/17/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	9/24/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	9/24/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	9/24/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	10/2/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	10/2/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	10/2/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	10/9/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	10/9/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	10/22/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	10/22/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	10/29/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	10/29/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	10/29/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	10/29/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110010_027_027	10/30/2007	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110011_002_002	11/5/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	11/5/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	11/5/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	11/16/2007	NA	NA	NA	221	NA	NA
DDW	CA4110011_007_007	11/16/2007	NA	NA	NA	230	NA	NA
DDW	CA4110011_002_002	11/19/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	11/19/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	11/29/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	11/29/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	12/3/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	12/3/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	12/3/2007	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_004_004	2/25/2008	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_027_027	2/25/2008	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110011_020_020	3/20/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_020_020	3/26/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	3/27/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	3/27/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	3/27/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_004_004	3/27/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	4/2/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	4/2/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	4/2/2008	NA	NA	NA	< 50	NA	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110011_004_004	4/2/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	4/10/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	4/10/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_004_004	4/10/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	4/16/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	4/16/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_004_004	4/16/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	4/21/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	4/21/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_004_004	4/21/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	5/5/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	5/5/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_004_004	5/5/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	5/12/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	5/12/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	5/12/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_005_005	5/12/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_004_004	5/16/2008	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110011_002_002	5/19/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	5/19/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	5/19/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_004_004	5/19/2008	NA	NA	NA	< 50	< 0.005	NA
DDW	CA4110011_002_002	5/28/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	5/28/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_004_004	5/28/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	6/2/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	6/2/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_005_005	6/2/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_004_004	6/2/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	6/9/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	6/9/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	6/9/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_004_004	6/9/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110010_027_027	6/12/2008	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110011_002_002	6/19/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	6/19/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	6/19/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_004_004	6/19/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	6/25/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	6/25/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	6/25/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_004_004	6/25/2008	NA	NA	NA	< 50	NA	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110011_002_002	6/30/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	6/30/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	6/30/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_005_005	6/30/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_004_004	6/30/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	7/10/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	7/10/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	7/10/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_005_005	7/10/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_004_004	7/10/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110010_027_027	7/14/2008	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110011_002_002	7/17/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	7/17/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	7/17/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_005_005	7/17/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	7/23/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	7/23/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	7/23/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_005_005	7/23/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	7/28/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	7/28/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	7/28/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_005_005	7/28/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_002_002	8/4/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_007_007	8/4/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_008_008	8/4/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110011_005_005	8/4/2008	NA	NA	NA	< 50	NA	NA
DDW	CA4110010_027_027	11/30/2010	NA	NA	NA	NA	NA	NA
DDW	CA4110010_027_027	2/2/2011	NA	NA	NA	NA	NA	NA
DDW	CA4110010_027_027	5/18/2011	NA	NA	NA	NA	NA	NA
DDW	CA4110010_027_027	11/29/2011	NA	NA	NA	NA	NA	NA
DDW	CA4110010_027_027	12/4/2012	NA	NA	NA	NA	NA	NA
DDW	CA4110010_030_030	1/21/2013	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_031_031	1/21/2013	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_027_027	2/14/2013	NA	NA	NA	NA	NA	NA
DDW	CA4110010_027_027	5/22/2013	NA	NA	NA	NA	NA	NA
DDW	CA4110010_027_027	12/9/2013	NA	NA	NA	NA	NA	NA
DDW	CA4110010_027_027	3/24/2014	NA	NA	NA	NA	NA	NA
DDW	CA4110010_027_027	5/13/2014	NA	NA	NA	NA	NA	NA
DDW	CA4110010_027_027	12/1/2014	NA	NA	NA	NA	NA	NA
DDW	CA4110010_027_027	3/3/2015	NA	NA	NA	NA	NA	NA
DDW	CA4110010_027_027	5/19/2015	NA	NA	NA	NA	NA	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_027_027	11/30/2015	NA	NA	NA	NA	NA	NA
DDW	CA4110010_027_027	3/14/2016	NA	NA	NA	NA	NA	NA
DDW	CA4110010_027_027	5/19/2016	NA	NA	NA	NA	NA	NA
DDW	CA4110010_027_027	11/7/2016	NA	NA	NA	NA	NA	NA
DDW	CA4110010_027_027	1/25/2017	NA	NA	NA	NA	NA	NA
DDW	CA4110010_027_027	4/13/2017	NA	NA	NA	NA	NA	NA
DDW	CA4110010_027_027	7/20/2017	NA	NA	NA	NA	NA	NA
DDW	CA4110010_027_027	11/8/2017	NA	NA	NA	NA	NA	NA
DDW	CA4110010_027_027	2/8/2018	NA	NA	NA	NA	NA	NA
DDW	CA4110011_004_004	3/14/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_027_027	3/22/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_027_027	4/26/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110011_016_016	5/23/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110011_012_012	5/23/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110011_020_020	5/23/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110011_014_014	5/23/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110011_015_015	5/23/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110011_017_017	5/23/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110011_002_002	5/23/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110011_008_008	5/23/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110011_016_016	8/22/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110011_012_012	8/22/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110011_020_020	8/22/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110011_014_014	8/22/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110011_015_015	8/22/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110011_017_017	8/22/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110011_002_002	8/22/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110011_008_008	8/22/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_027_027	11/13/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110011_016_016	11/26/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110011_012_012	11/26/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110011_020_020	11/26/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110011_014_014	11/26/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110011_017_017	11/26/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110011_002_002	11/26/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110011_008_008	11/26/2018	NA	NA	NA	NA	< 0	NA
DDW	CA4110010_027_027	7/21/2020	NA	NA	NA	NA	NA	NA
DDW	CA4110011_016_016	3/25/2021	NA	NA	NA	NA	< 0	NA
DDW	CA4110011_012_012	3/25/2021	NA	NA	NA	NA	< 0	NA
DDW	CA4110011_020_020	3/25/2021	NA	NA	NA	NA	< 0	NA
DDW	CA4110011_015_015	3/25/2021	NA	NA	NA	NA	< 0	NA
DDW	CA4110011_017_017	3/25/2021	NA	NA	NA	NA	< 0	NA

Table 3.7. Groundwater Contaminants of Concern within the Project Area

Dataset	Well ID	Sample Date	Barium	Fluoride	NO_3N	Aluminum	1,2,3-TCP	Lead
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
DDW	CA4110010_030_030	8/11/2021	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_031_031	8/11/2021	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_032_032	8/11/2021	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110010_027_027	10/26/2021	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110011_008_008	11/22/2021	NA	NA	NA	NA	< 0.005	NA
DDW	CA4110011_002_002	4/13/2022	NA	NA	NA	< 15	NA	NA

Notes

< X.XX = Chemical Listed Below Respective Laboratory Reporting Limit
µg/L = Microgram per Liter
1,2,3-TCP = 1,2,3-Trichloropropane
DDW = Department of Drinking Water
DWR = Department of Water Resources
GAMA_USGS = Groundwater Ambient Monitoring and Assessment Program (GAMA) United States Geological Survey (USGS)
NA = Data Not Available
NO_3N = Nitrate as Nitrogen
USGS_NWIS = United States Geological Survey (USGS) National Water Information System (NWIS)
WB_CLEANUP = State Water Resources Control Board (SWRCB) Environmental Cleanup Site
Reference: GAMA, 2023a. GAMA Information System, accessed at: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/.

Table 4.1. California Water Reuse for Agriculture Specifications

Recycled Water Class/Category	Water Quality Parameter	Specification	Sampling Monitoring Requirements
Disinfected tertiary (Food crops, including edible root crops, where the recycled water has contact with edible portion)	Turbidity (if filtered by natural undisturbed soils or a bed of filter media pursuant to Cal. Code Regs. tit. 22, § 60301.320a)	≤2 NTU (average within 24-hour period) ≤5 NTU (more than 5% of the time within a 24-hour period) ≤10 NTU (single sample maximum)	Continuous monitoring
	Turbidity (if filtered by microfiltration, ultrafiltration, nanofiltration, or reverse osmosis membrane)	≤0.2 NTU (more than 5% of the time within a 24-hour period) ≤0.5 NTU (single sample maximum)	Continuous monitoring
	Total coliform	≤2.2 MPN/100 mL (7-day median) ≤23 MPN/100 mL (does not exceed in more than one sample in 30-day period) ≤240 MPN/100 mL (single sample maximum)	At least once daily
	CT[a]	≥450 milligram-minutes/L	Must be maintained at all times with a modal contact time of at least 90 minutes, based on peak dry weather design flow
	F-specific bacteriophage MS-2 or polio virus[b,c]	5-log removal	Must be demonstrated on filtered wastewater by disinfection process when combined with filtration process
	Nitrogen[d]	Not specified	Not specified
	Phosphorus[d]	Not specified	Not specified
Disinfected secondary-2.2 (Food crops where edible portion is produced above ground with no contact with recycled water)	Total coliform	≤2.2 MPN/100 mL (7-day median) ≤23 MPN/100 mL (30-day median) ≤240 MPN/100 mL (single sample maximum)	At least once daily
	Dissolved oxygen	>0	Sampling frequency not specified
	Nitrogen[d]	Not specified	Not specified
	Phosphorus[d]	Not specified	Not specified
Disinfected secondary-23 (Ornamental nursery stock and sod farms where public access is not restricted; Pasture for animals producing milk for human consumption)	Total coliform	≤23 MPN/100 mL (7-day median) ≤240 MPN/100 mL (does not exceed in more than one sample in 30-day period)	At least once daily
	Nitrogen[d]	Not specified	Not specified
	Phosphorus[d]	Not specified	Not specified
Undisinfected secondary (Orchards and vineyards where the recycled water does not come into contact with the edible portion of the crop; Seed crops not eaten by humans; Non food-bearing trees provided irrigation does not occur 14 days prior to harvesting or public access; Food crops that undergo commercial pathogen-destroying processing before human consumption; Fodder and fiber crops; Ornamental nursery stock and sod farms provided irrigation does not occur 14 days prior to harvesting, retail sale, or public access)	Dissolved oxygen	>0	Sampling frequency not specified
	Nitrogen[d]	Not specified	Not specified
	Phosphorus[d]	Not specified	Not specified

Notes

* Information about sampling and monitoring requirements such as frequency, site and quantification methods not specifically listed in the table was not explicitly specified in the state-specific regulations.

[a] This only applies if chlorine was used for disinfection.

[b] This only applies if a disinfection process other than chlorination was used.

[c] A virus that is at least as resistant to disinfection as polio virus may be used for the purposes of the demonstration.

[d] The Regional Boards may include the nitrogen and phosphorous limits or control for the protection of beneficial uses, or as required by Basin Plans.

CT = CT is the product of total chlorine residual and modal contact time measured at the same point (Cal. Code Regs. tit. 22)

MPN/100mL = Most probable number per 100 milliliters

NTU = Nephelometric Turbidity Units

FIGURES

1.1 Project Area Map
1.2 Half Moon Bay Terrance Groundwater Basin and Pilarcitos Creek Watershed
1.3 Project Area Land Use
1.4 Half Moon Bay Terrace Groundwater Basin Land Use – Combined *(in-text)*
1.5 Pilarcitos Creek Watershed Basin Land Use *(in-text)*
1.6 Project Area Water Rights and Status
1.7 Beneficial Uses of Water Rights within the Project Area *(in-text)*
1.8 Sources of Water Rights within the Project Area *(in-text)*
1.9 Groundwater Well Locations
2.1 Pilarcitos Lake Surface Water Elevation *(in-text)*
2.2 Pilarcitos Lake Below Spillway Daily Stream Discharge *(in-text)*
2.3 Pilarcitos Creek Above Stone Dam Daily Stream Discharge *(in-text)*
2.4 Pilarcitos Creek Below Stone Dam Daily Stream Discharge *(in-text)*
2.5 Pilarcitos Creek at Half Moon Bay Daily Stream Discharge *(in-text)*
2.6 Purisima Creek Annual Peak Streamflow *(in-text)*
3.1 San Mateo County Watersheds
3.2 Surface Geology
3.3 CASGEM Well ID 7004 Location *(in-text)*
3.4 CASGEM Well ID 7004 Hydrograph *(in-text)*
3.5 CASGEM Well ID 48471 Location *(in-text)*
3.6 CASGEM Well ID 48471 Hydrograph *(in-text)*
3.7 Aquifer Risk Map *(in-text)*

FIGURES (continued)

4.1 Groundwater Injection Alternative
4.2 Mounding 500,000 GPD *(in-text)*
4.3 Mounding 125,000 GPD *(in-text)*

APPENDICES

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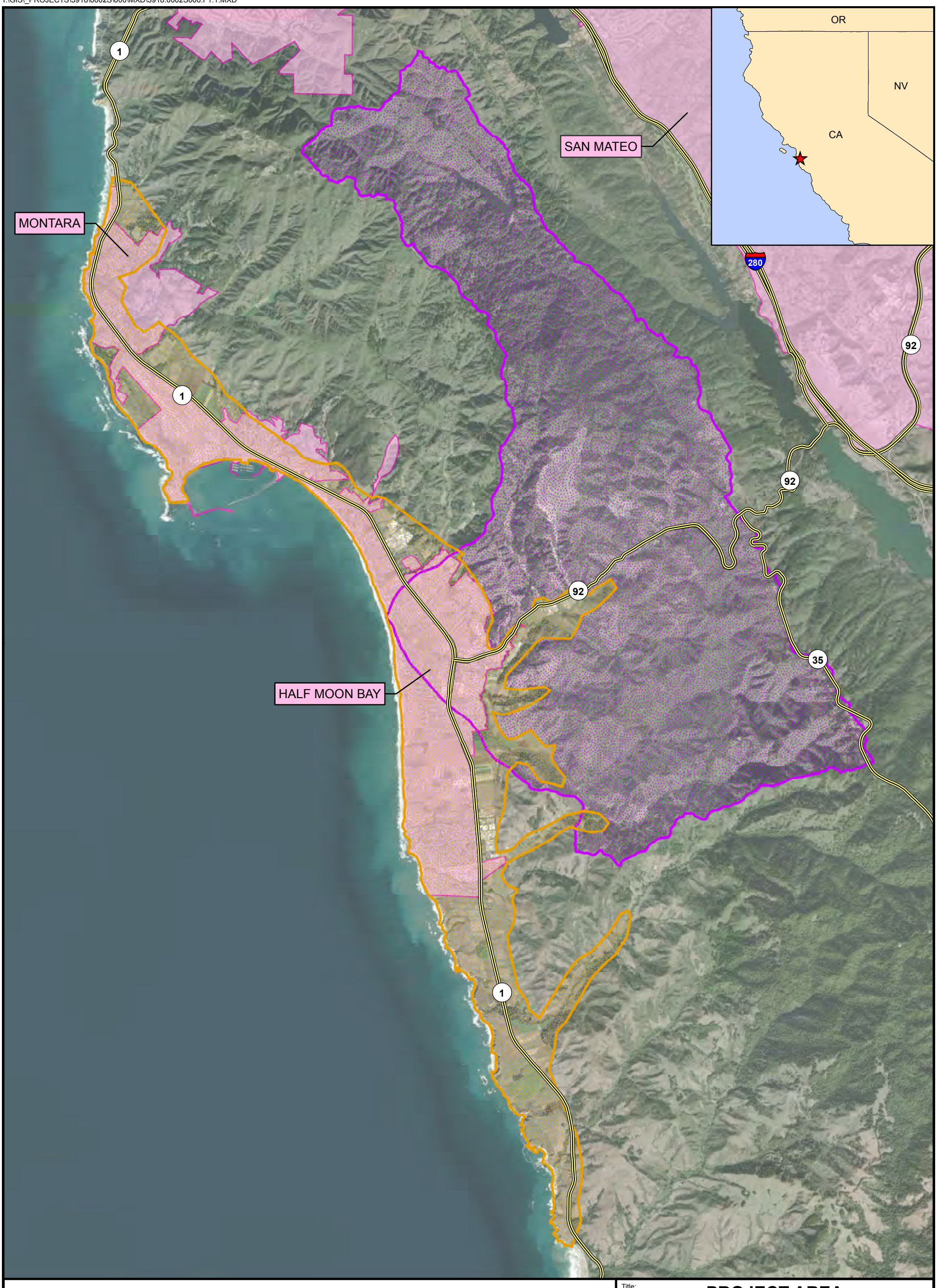

LEGEND

- HALF MOON BAY TERRACE GROUNDWATER BASIN
- PILARCITOS CREEK WATERSHED
- MAJOR ROAD
- URBAN AREA

NOTES

1. ALL FEATURES SHOWN ARE APPROXIMATE.
2. AERIAL IMAGERY PROVIDED BY ESI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY.
3. HALF MOON BAY TERRACE GROUNDWATER BASIN FEATURE OBTAINED FROM THE CALIFORNIA WATER BOARD.
4. PILARCITOS CREEK WATERSHED OBTAINED FROM THE US GEOLOGICAL SURVEY.
5. STATE BOUNDARIES, URBAN AREA BOUNDARIES, AND ROADS OBTAINED FROM THE US CENSUS BUREAU.

N

6,000 0 6,000feet

Title:

PROJECT AREA LOCATION MAP

HALF MOON BAY
CALIFORNIA

Prepared for: COASTSIDE COUNTY WATER DISTRICT

ROUX

Compiled by: JNL	Date: 09/20/23
Prepared by: JNL	Scale: AS SHOWN
Project Mgr: JO	Project: 3918.0002S000
File: 3918.0002S000.F1.1.mxd	

FIGURE 1.1

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LEGEND

- HALF MOON BAY TERRACE GROUNDWATER BASIN
- PILARCITOS CREEK WATERSHED
- MAJOR ROAD
- URBAN AREA
- RIVER, STREAM, OR CREEK
- LAKE OR RESERVOIR

NOTES

1. ALL FEATURES SHOWN ARE APPROXIMATE.
2. AERIAL IMAGERY PROVIDED BY ESI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY.
3. HALF MOON BAY TERRACE GROUNDWATER BASIN FEATURE OBTAINED FROM THE CALIFORNIA WATER BOARD.
4. PILARCITOS CREEK WATERSHED OBTAINED FROM THE US GEOLOGICAL SURVEY.
5. STATE BOUNDARIES, URBAN AREA BOUNDARIES, ROADS, AND HYDROLOGIC FEATURES OBTAINED FROM THE US CENSUS BUREAU.

N

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Title:

HALFMOON BAY TERRACE GROUNDWATER BASIN AND PILARCITOS CREEK WATERSHED MAP

HALF MOON BAY
CALIFORNIA

Prepared for: COASTSIDE COUNTY WATER DISTRICT

ROUX

Compiled by: JNL	Date: 09/20/23
Prepared by: JNL	Scale: AS SHOWN
Project Mgr: JO	Project: 3918.0002S000
File: 3918.0002S000.F1.2.mxd	

FIGURE 1.2

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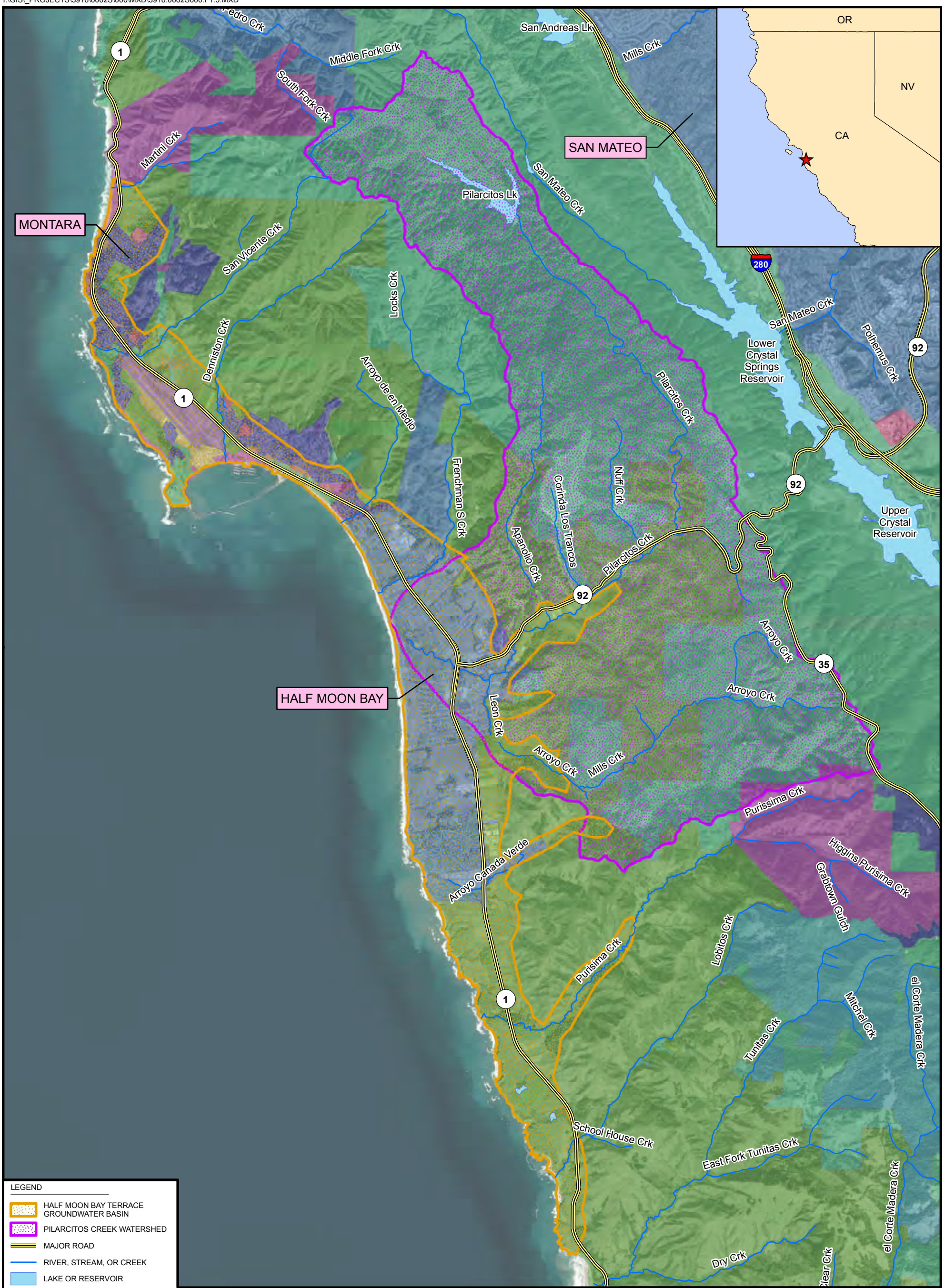

LEGEND

- HALF MOON BAY TERRACE GROUNDWATER BASIN
- PILARCITOS CREEK WATERSHED
- MAJOR ROAD
- RIVER, STREAM, OR CREEK
- LAKE OR RESERVOIR

LAND USE TYPE

- AGRICULTURE
- AIRPORT
- COMMERCIAL
- FOREST
- INDUSTRIAL
- INSTITUTIONAL
- MIXED USE
- OPEN SPACE
- RECREATION
- RESIDENTIAL

NOTES

1. ALL FEATURES SHOWN ARE APPROXIMATE.
2. AERIAL IMAGERY PROVIDED BY ESI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY.
3. HALF MOON BAY TERRACE GROUNDWATER BASIN FEATURE OBTAINED FROM THE CALIFORNIA WATER BOARD.
4. WATERSHED BOUNDARIES (WBDHUC12) OBTAINED FROM THE US GEOLOGICAL SURVEY.
5. STATE BOUNDARIES, URBAN AREA BOUNDARIES, ROADS, AND HYDROLOGIC FEATURES OBTAINED FROM THE US CENSUS BUREAU.
6. LAND USE DATA OBTAINED FROM THE SAN MATEO COUNTY GIS DEPARTMENT. AREAS WHERE SPECIFIC LAND USE DATA WAS NOT AVAILABLE WERE CLASSIFIED AS "MIXED USE".

N

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Title:

PROJECT AREA LAND USE

HALF MOON BAY
CALIFORNIA

Prepared for: COASTSIDE COUNTY WATER DISTRICT

ROUX

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Prepared by: JNL	Scale: AS SHOWN
Project Mgr: JO	Project: 3918.0002S000
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FIGURE 1.3

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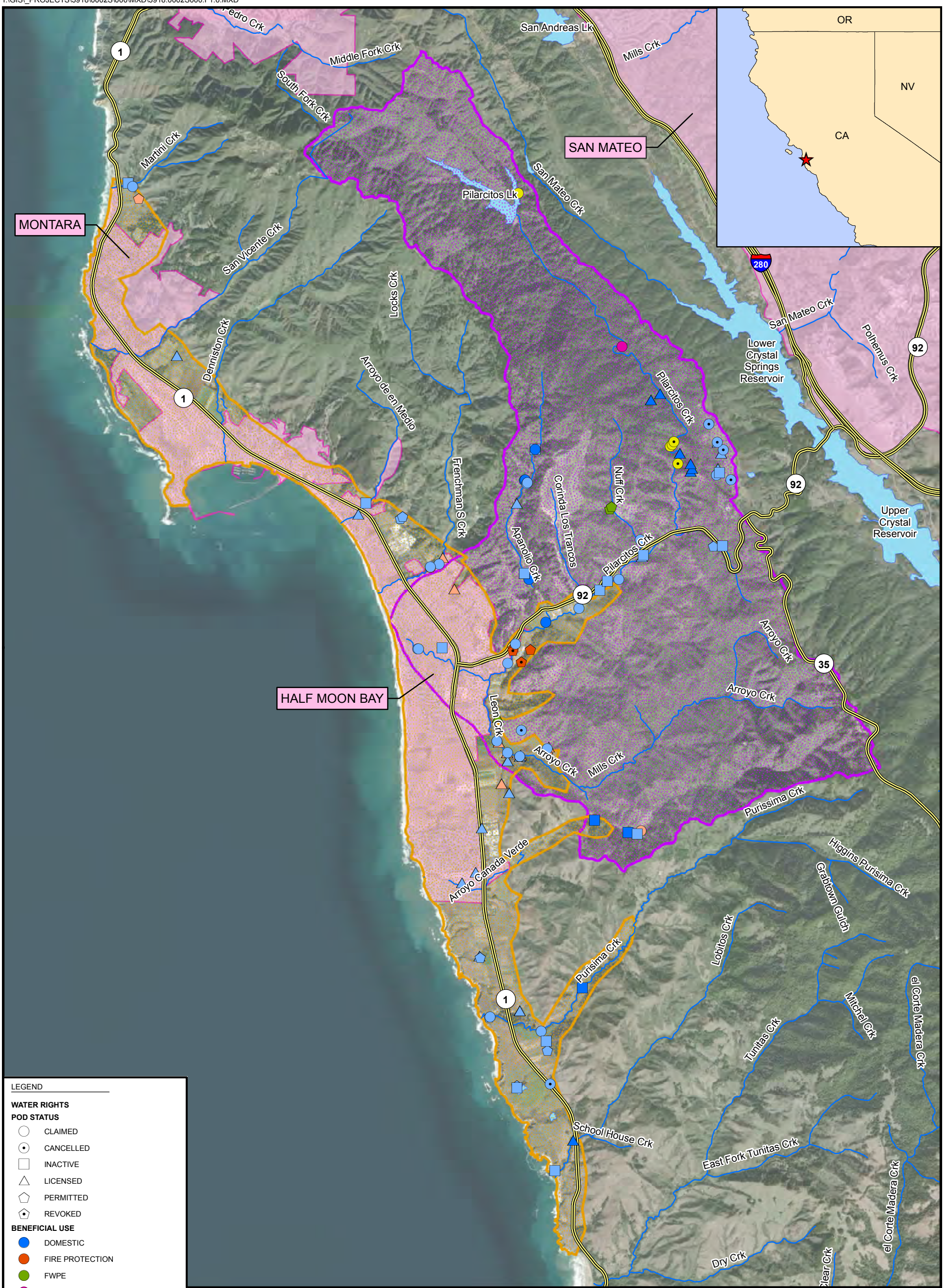

LEGEND

WATER RIGHTS

POD STATUS

- CLAIMED
- CANCELLED
- INACTIVE
- LICENSED
- PERMITTED
- REVOKED

BENEFICIAL USE

- DOMESTIC
- FIRE PROTECTION
- FWPE
- INDUSTRIAL
- IRRIGATION
- MUNICIPAL
- STOCKWATERING
- OTHER
- HALF MOON BAY TERRACE GROUNDWATER BASIN
- PILARCITOS CREEK WATERSHED
- MAJOR ROAD
- URBAN AREA
- RIVER, STREAM, OR CREEK
- LAKE OR RESERVOIR

NOTES

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2. AERIAL IMAGERY PROVIDED BY ESI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY.
3. HALF MOON BAY TERRACE GROUNDWATER BASIN FEATURE OBTAINED FROM THE CALIFORNIA WATER BOARD.
4. PILARCITOS CREEK WATERSHED OBTAINED FROM THE US GEOLOGICAL SURVEY.
5. STATE BOUNDARIES, URBAN AREA BOUNDARIES, ROADS, AND HYDROLOGIC FEATURES OBTAINED FROM THE US CENSUS BUREAU.
6. WATER RIGHT AND STATUS DATA OBTAINED FROM CALIFORNIA WRCB EWRIMS.
7. FWPE = FISH AND WILDLIFE PRESERVATION AND ENHANCEMENT
8. FOR DEFINITIONS OF WATER RIGHT STATUS, REFER TO TABLE 1.3.

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Title:

PROJECT AREA
WATER RIGHTS AND STATUS

HALF MOON BAY
CALIFORNIA

Prepared for: COASTSIDE COUNTY WATER DISTRICT

ROUX

Compiled by: JNL	Date: 09/20/23	FIGURE
Prepared by: JNL	Scale: AS SHOWN	1.6
Project Mgr: JO	Project: 3918.0002S000	
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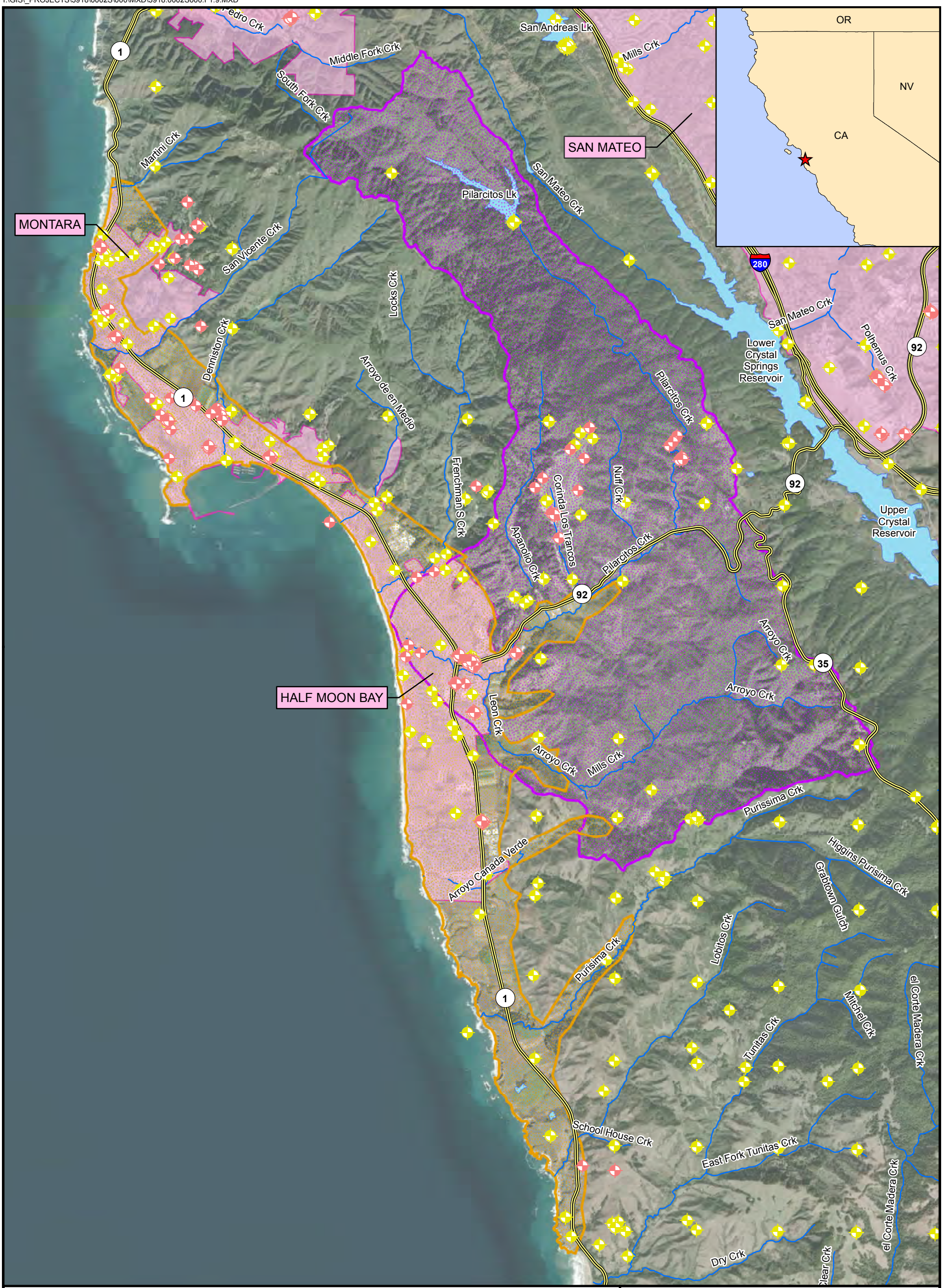

LEGEND

- GROUNDWATER WELL (GAMA)
- GROUNDWATER WELL (SMC)
- HALF MOON BAY TERRACE GROUNDWATER BASIN
- PILARCITOS CREEK WATERSHED
- MAJOR ROAD
- URBAN AREA
- RIVER, STREAM, OR CREEK
- LAKE OR RESERVOIR

NOTES

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5. STATE BOUNDARIES, URBAN AREA BOUNDARIES, ROADS, AND HYDROLOGIC FEATURES OBTAINED FROM THE US CENSUS BUREAU.
6. GROUNDWATER WELL DATA OBTAINED FROM CALIFORNIA WATER BOARD (GAMA) AND SAN MATEO COUNTY (SMC).

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Title:

GROUNDWATER WELL LOCATIONS

HALF MOON BAY
CALIFORNIA

Prepared for: COASTSIDE COUNTY WATER DISTRICT

ROUX

Compiled by: JNL	Date: 09/20/23	FIGURE
Prepared by: JNL	Scale: AS SHOWN	1.9
Project Mgr: JO	Project: 3918.0002S000	
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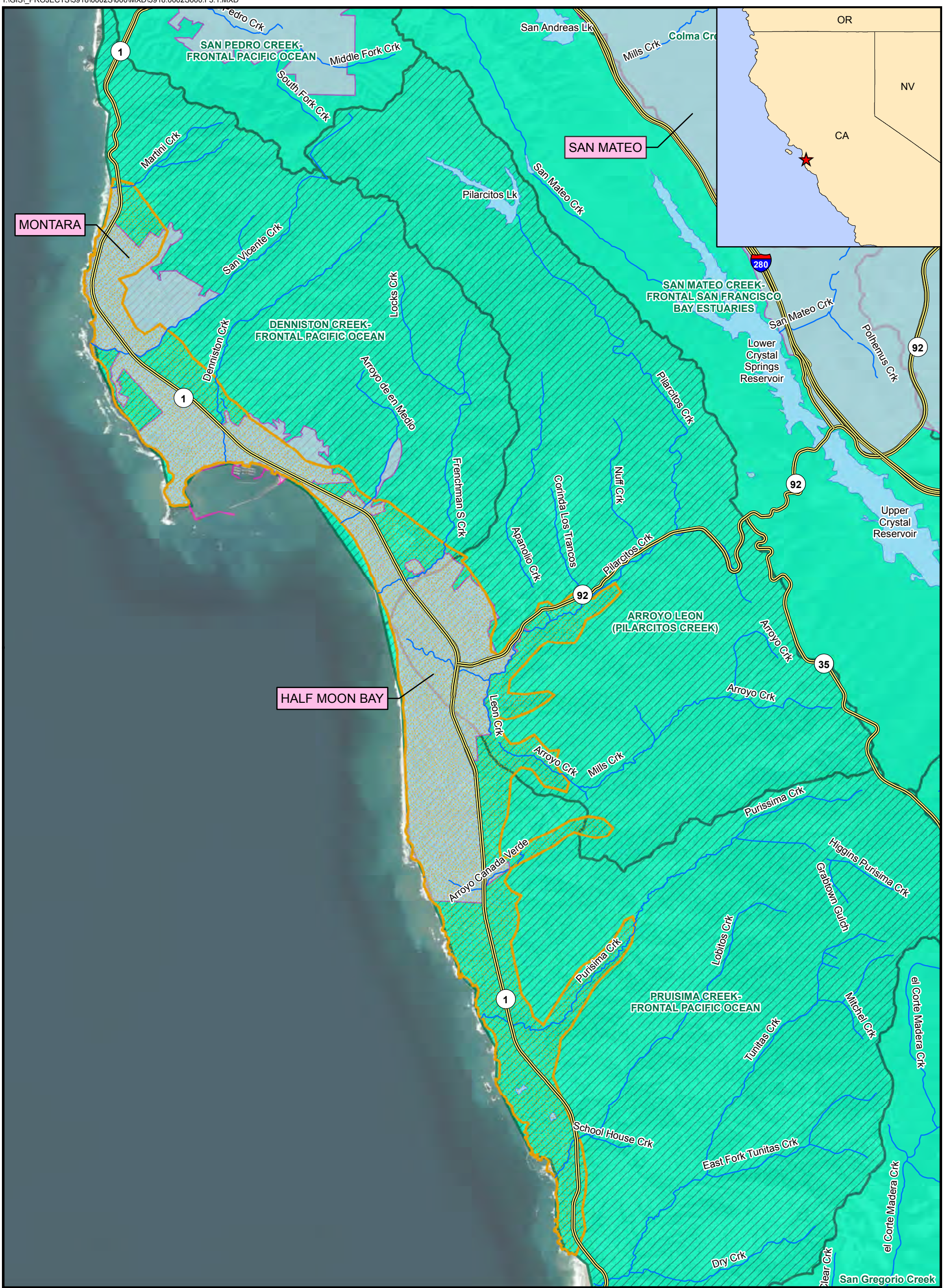

LEGEND

WATERSHED BOUNDARY

- CONTRIBUTES TO HALF MOON BAY TERRACE GROUNDWATER BASIN
- DOES NOT CONTRIBUTE TO HALF MOON BAY TERRACE GROUNDWATER BASIN
- HALF MOON BAY TERRACE GROUNDWATER BASIN
- MAJOR ROAD
- URBAN AREA
- RIVER, STREAM, OR CREEK
- LAKE OR RESERVOIR

NOTES

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5. STATE BOUNDARIES, URBAN AREA BOUNDARIES, ROADS, AND HYDROLOGIC FEATURES OBTAINED FROM THE US CENSUS BUREAU.

N

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Title:

SAN MATEO COUNTY WATERSHEDS

HALF MOON BAY
CALIFORNIA

Prepared for: COASTSIDE COUNTY WATER DISTRICT

ROUX

Compiled by: JNL	Date: 09/20/23
Prepared by: JNL	Scale: AS SHOWN
Project Mgr: JO	Project: 3918.0002S000
File: 3918.0002S000.F3.1.mxd	

FIGURE 3.1

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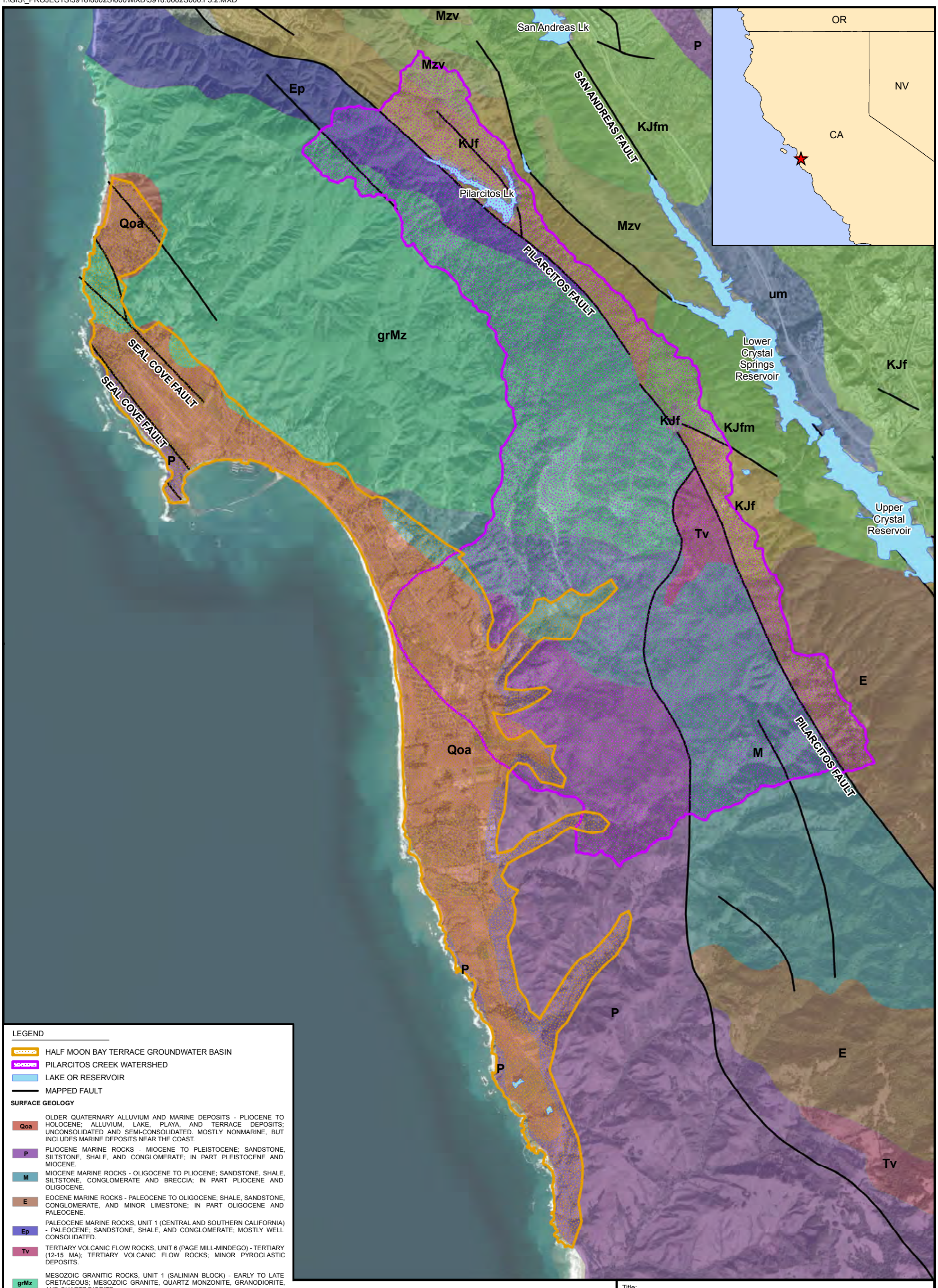

LEGEND

- HALF MOON BAY TERRACE GROUNDWATER BASIN
- PILARCITOS CREEK WATERSHED
- LAKE OR RESERVOIR
- MAPPED FAULT

SURFACE GEOLOGY

- **Qoa** — OLDER QUATERNARY ALLUVIUM AND MARINE DEPOSITS - PLIOCENE TO HOLOCENE; ALLUVIUM, LAKE, PLAYA, AND TERRACE DEPOSITS; UNCONSOLIDATED AND SEMI-CONSOLIDATED. MOSTLY NONMARINE, BUT INCLUDES MARINE DEPOSITS NEAR THE COAST.
- **P** — PLIOCENE MARINE ROCKS - MIOCENE TO PLEISTOCENE; SANDSTONE, SILTSTONE, SHALE, AND CONGLOMERATE; IN PART PLEISTOCENE AND MIOCENE.
- **M** — MIOCENE MARINE ROCKS - OLIGOCENE TO PLIOCENE; SANDSTONE, SHALE, SILTSTONE, CONGLOMERATE AND BRECCIA; IN PART PLIOCENE AND OLIGOCENE.
- **E** — EOCENE MARINE ROCKS - PALEOCENE TO OLIGOCENE; SHALE, SANDSTONE, CONGLOMERATE, AND MINOR LIMESTONE; IN PART OLIGOCENE AND PALEOCENE.
- **Ep** — PALEOCENE MARINE ROCKS, UNIT 1 (CENTRAL AND SOUTHERN CALIFORNIA) - PALEOCENE; SANDSTONE, SHALE, AND CONGLOMERATE; MOSTLY WELL CONSOLIDATED.
- **Tv** — TERTIARY VOLCANIC FLOW ROCKS, UNIT 6 (PAGE MILL-MINDEGO) - TERTIARY (12-15 MA); TERTIARY VOLCANIC FLOW ROCKS; MINOR PYROCLASTIC DEPOSITS.
- **grMz** — MESOZOIC GRANITIC ROCKS, UNIT 1 (SALINIAN BLOCK) - EARLY TO LATE CRETACEOUS; MESOZOIC GRANITE, QUARTZ MONZONITE, GRANODIORITE, AND QUARTZ DIORITE.
- **KJf** — FRANCISCAN COMPLEX, UNIT 1 (COAST RANGES) - JURASSIC TO CRETACEOUS; FRANCISCAN COMPLEX: CRETACEOUS AND JURASSIC SANDSTONE WITH SMALLER AMOUNTS OF SHALE, CHERT, LIMESTONE, AND CONGLOMERATE. INCLUDES FRANCISCAN MELANGE, EXCEPT WHERE SEPARATED.
- **KJfm** — FRANCISCAN MELANGE (KJFM) - JURASSIC TO CRETACEOUS; MELANGE OF FRAGMENTED AND SHEARED FRANCISCAN COMPLEX ROCKS.
- **Mzv** — MESOZOIC VOLCANIC ROCKS, UNIT 1 (COAST RANGES) - JURASSIC TO CRETACEOUS; UNDIVIDED MESOZOIC VOLCANIC AND METAVOLCANIC ROCKS. ANDESITE AND RHYOLITE FLOW ROCKS, GREENSTONE, VOLCANIC BRECCIA AND OTHER PYROCLASTIC ROCKS; IN PART STRONGLY METAMORPHOSED. INCLUDES VOLCANIC ROCKS OF FRANCISCAN COMPLEX: BASALTIC PILLOW LAVA, DIABASE, GREENSTONE, AND MINOR PYROCLASTIC ROCKS.
- **um** — ULTRAMAFIC ROCKS, CHIEFLY MESOZOIC, UNIT 3 (COAST RANGES AND WESTERN KLAMATH MOUNTAINS) - MIDDLE TO LATE JURASSIC; ULTRAMAFIC ROCKS, MOSTLY SERPENTINE. MINOR PERIDOTITE, GABBRO, AND DIABASE. CHIEFLY MESOZOIC UNIT 3.

NOTES

1. ALL FEATURES SHOWN ARE APPROXIMATE.
2. AERIAL IMAGERY PROVIDED BY ESI, MAXAR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY.
3. HALF MOON BAY TERRACE GROUNDWATER BASIN FEATURE OBTAINED FROM THE CALIFORNIA WATER BOARD.
4. PILARCITOS CREEK WATERSHED OBTAINED FROM THE US GEOLOGICAL SURVEY.
5. STATE BOUNDARIES AND HYDROLOGIC FEATURES OBTAINED FROM THE US CENSUS BUREAU.
6. SURFACE GEOLOGY OBTAINED FROM THE US GEOLOGICAL SURVEY STATE GEOLOGIC MAP COMPILATION DATABASE.

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Title:

SURFACE GEOLOGY

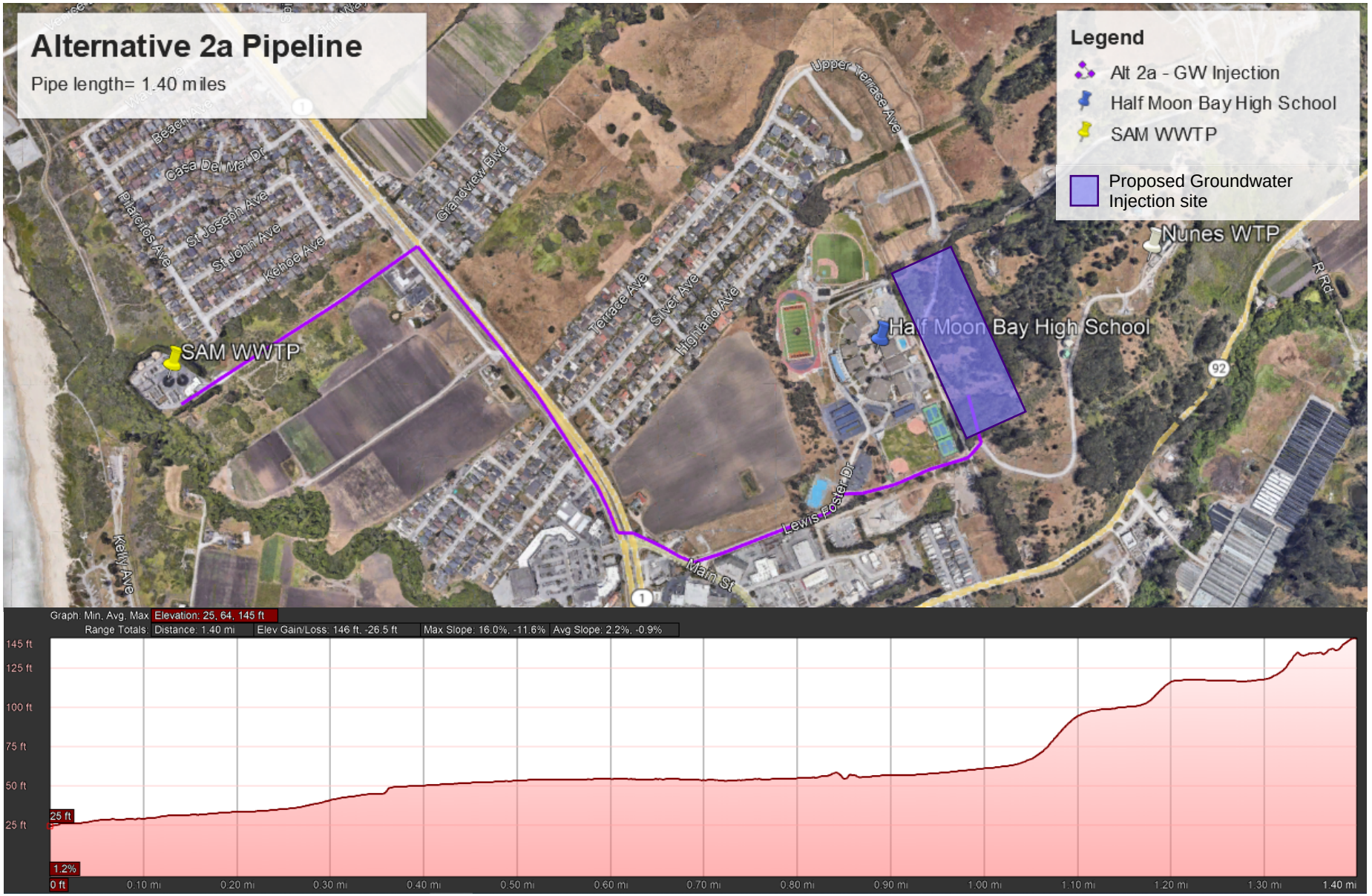
HALF MOON BAY
CALIFORNIA

Prepared for: COASTSIDE COUNTY WATER DISTRICT

ROUX

Compiled by: JNL	Date: 09/20/23
Prepared by: JNL	Scale: AS SHOWN
Project Mgr: JO	Project: 3918.0002S000
File: 3918.0002S000.F3.2.mxd	

FIGURE 3.2



CCWD Recycled Water Feasibility Study	Alternative 2a - Groundwater Injection	WATERWORKS ENGINEERS	FIGURE 4.1

APPENDICES

1.1 Cal-Adapt – Half Moon Bay Climate Change Snapshot
1.2 Project Area Water Rights *(electronic only)*
1.3 Aerial Photographs *(electronic only)*
1.4 Water Rights Information
2.1 Pilarcitos Creek USGS Gage Data *(electronic only)*
3.1 California's Groundwater Live
3.2 San Mateo County Well Completion Report Information *(electronic only)*
3.3 Hydrographs
3.4 Groundwater Water Quality Conditions
3.5 Open Environmental Cleanup Sites *(electronic only)*
3.6 Aquifer Risk Map Screenshots *(electronic only)*
3.7 Distribution of Groundwater COCs
3.8 Ox Mountain Landfill Documents *(electronic only)*
4.1 Recycled Water Project Permitting Resources

APPENDIX 1.1

Cal-Adapt – Half Moon Bay Climate Change Snapshot

Local Climate Change Snapshot

Half Moon Bay

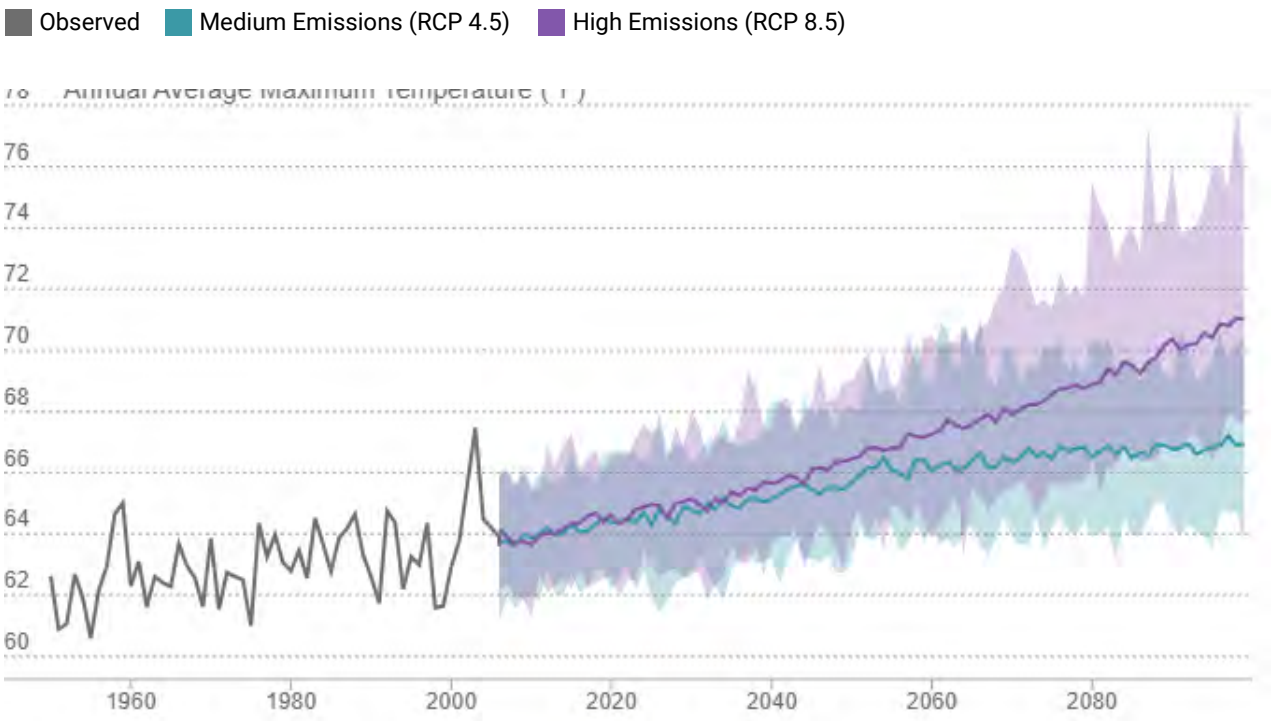
California

Temperature

Overall temperatures are projected to rise in California during the 21st century. While the entire state will experience temperature increases, the local impacts will vary greatly with many communities and ecosystems already experiencing the effects of rising temperatures.

Annual Average Maximum Temperature

Average of all the hottest daily temperatures in a year.



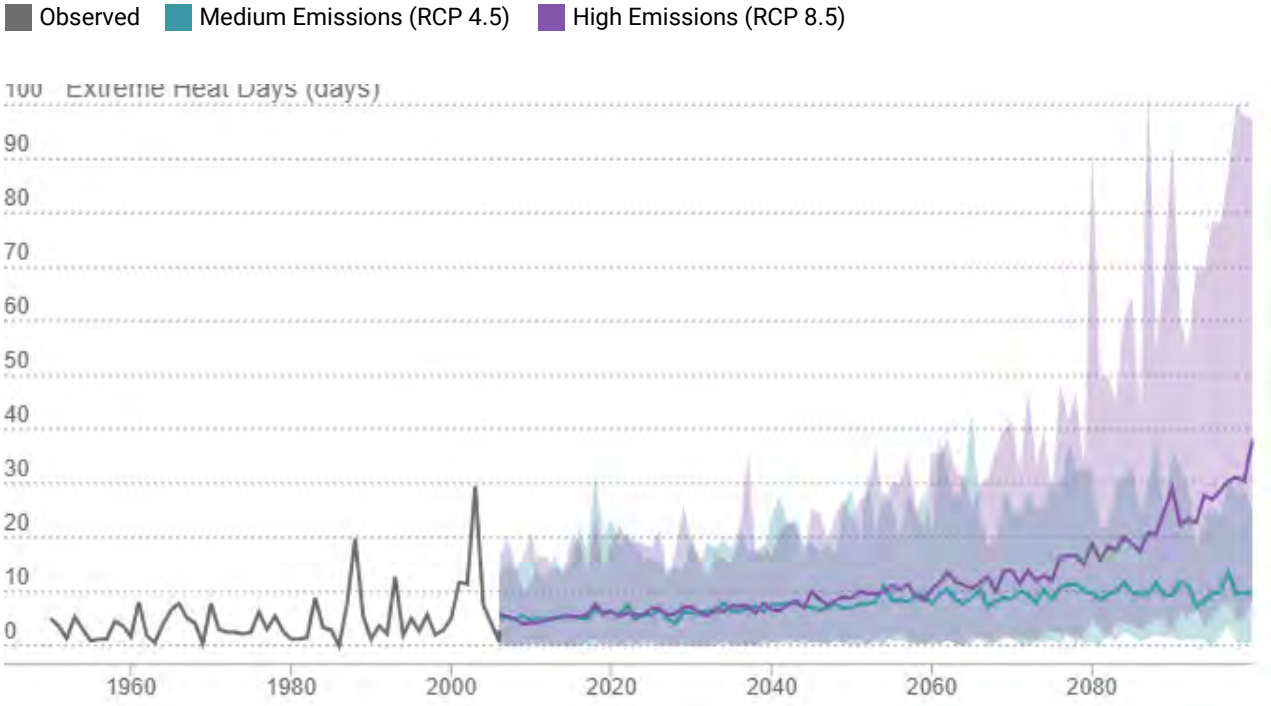
Observed (1961-1990) 30yr Average: 63.0 °F

	Change from baseline	30yr Average	30yr Range
Baseline (1961-1990)			
MODELED HISTORICAL	-	63.0 °F	62.8 - 63.3 °F
Mid-Century (2035-2064)			
MEDIUM EMISSIONS (RCP 4.5)	+2.7 °F	65.7 °F	64.2 - 67.2 °F
HIGH EMISSIONS (RCP 8.5)	+3.4 °F	66.4 °F	64.9 - 68.1 °F
End-Century (2070-2099)			
MEDIUM EMISSIONS (RCP 4.5)	+3.7 °F	66.7 °F	64.9 - 69.1 °F
HIGH EMISSIONS (RCP 8.5)	+6.5 °F	69.5 °F	66.9 - 73.3 °F

1. Data derived from 32 LOCA downscaled climate projections generated to support California's Fourth Climate Change Assessment. Details are described in Pierce et al., 2018.
2. Observed historical data derived from Gridded Observed Meteorological Data. Details are described in Livneh et al., 2015.
3. Data presented are aggregated over all LOCA grid cells that intersect Half Moon Bay boundary.

Extreme Heat Days

Number of days in a year when daily maximum temperature is above a threshold temperature



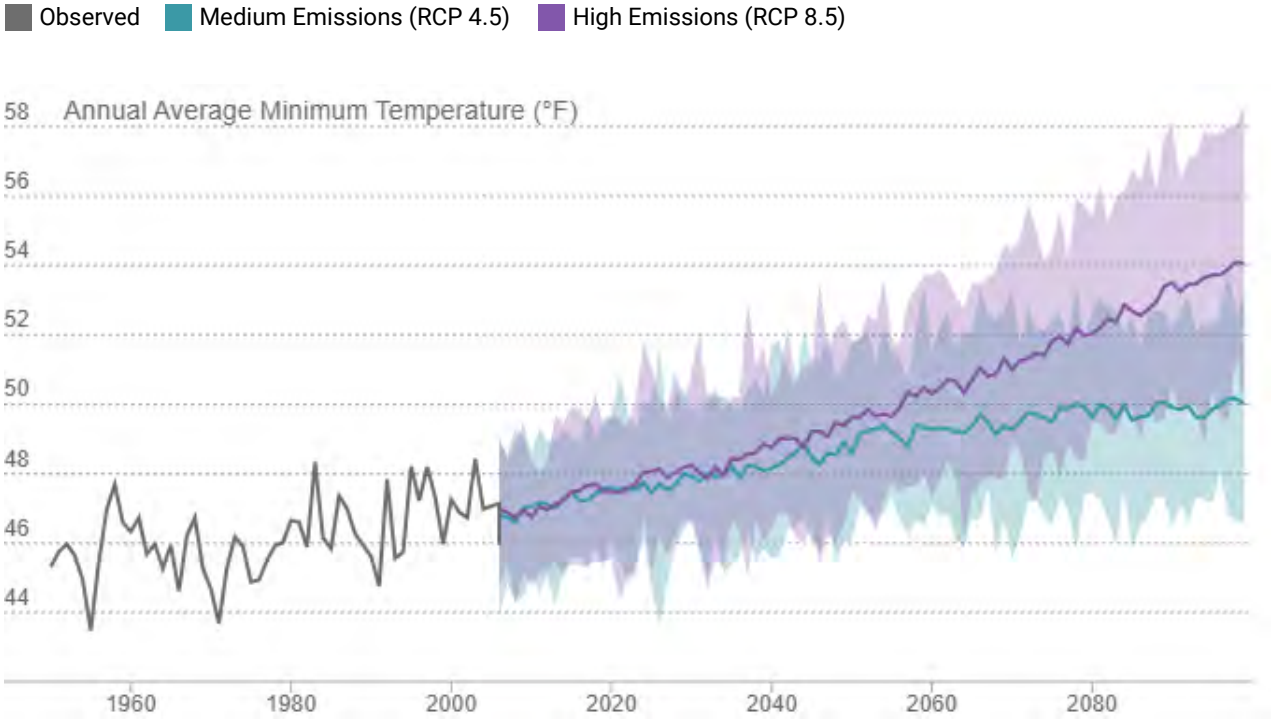
Observed (1961-1990) 30yr Average: 4 days

	Change from baseline ⓘ	30yr Average	30yr Range
Baseline (1961-1990)			
MODELED HISTORICAL	-	4 days	3 - 5 days
Mid-Century (2035-2064)			
MEDIUM EMISSIONS (RCP 4.5)	+4 days	8 days	5 - 12 days
HIGH EMISSIONS (RCP 8.5)	+5 days	9 days	6 - 12 days
End-Century (2070-2099)			
MEDIUM EMISSIONS (RCP 4.5)	+6 days	10 days	5 - 15 days
HIGH EMISSIONS (RCP 8.5)	+16 days	20 days	10 - 45 days

1. Data derived from 32 LOCA downscaled climate projections generated to support California's Fourth Climate Change Assessment. Details are described in Pierce et al., 2018.
2. Observed historical data derived from Gridded Observed Meteorological Data. Details are described in Livneh et al., 2015.
3. Data presented are aggregated over all LOCA grid cells that intersect Half Moon Bay boundary.

Annual Average Minimum Temperature

Average of all coldest daily temperatures in a year. of 80.8 °F



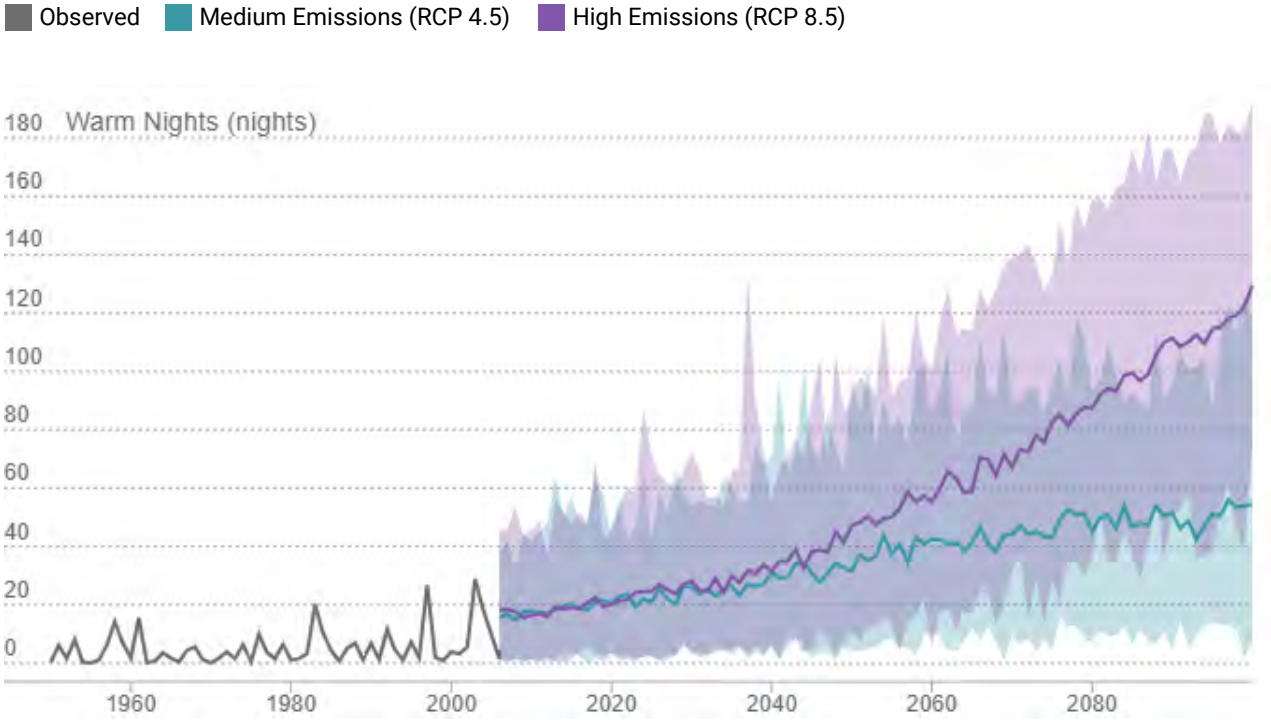
Observed (1961-1990) 30yr Average: 45.9 °F

	Change from baseline ⓘ	30yr Average	30yr Range
Baseline (1961-1990)			
MODELED HISTORICAL	-	46.1 °F	45.8 - 46.4 °F
Mid-Century (2035-2064)			
MEDIUM EMISSIONS (RCP 4.5)	+2.7 °F	48.8 °F	47.3 - 50.1 °F
HIGH EMISSIONS (RCP 8.5)	+3.4 °F	49.5 °F	48.1 - 50.9 °F
End-Century (2070-2099)			
MEDIUM EMISSIONS (RCP 4.5)	+3.7 °F	49.8 °F	47.8 - 51.9 °F
HIGH EMISSIONS (RCP 8.5)	+6.5 °F	52.6 °F	50.0 - 55.8 °F

1. Data derived from 32 LOCA downscaled climate projections generated to support California's Fourth Climate Change Assessment. Details are described in Pierce et al., 2018.
2. Observed historical data derived from Gridded Observed Meteorological Data. Details are described in Livneh et al., 2015.
3. Data presented are aggregated over all LOCA grid cells that intersect Half Moon Bay boundary.

Warm Nights

Number of days in a year when daily minimum temperature is above a threshold temperature



Observed (1961-1990) 30yr Average: 4 nights

	Change from baseline ⓘ	30yr Average	30yr Range
Baseline (1961-1990)			
MODELED HISTORICAL	-	12 nights	3 - 22 nights
Mid-Century (2035-2064)			
MEDIUM EMISSIONS (RCP 4.5)	+22 nights	34 nights	12 - 56 nights
HIGH EMISSIONS (RCP 8.5)	+33 nights	45 nights	20 - 68 nights
End-Century (2070-2099)			
MEDIUM EMISSIONS (RCP 4.5)	+37 nights	49 nights	17 - 88 nights
HIGH EMISSIONS (RCP 8.5)	+85 nights	97 nights	49 - 155 nights

1. Data derived from 32 LOCA downscaled climate projections generated to support California's Fourth Climate Change Assessment. Details are described in Pierce et al., 2018.
2. Observed historical data derived from Gridded Observed Meteorological Data. Details are described in Livneh et al., 2015.
3. Data presented are aggregated over all LOCA grid cells that intersect Half Moon Bay boundary.

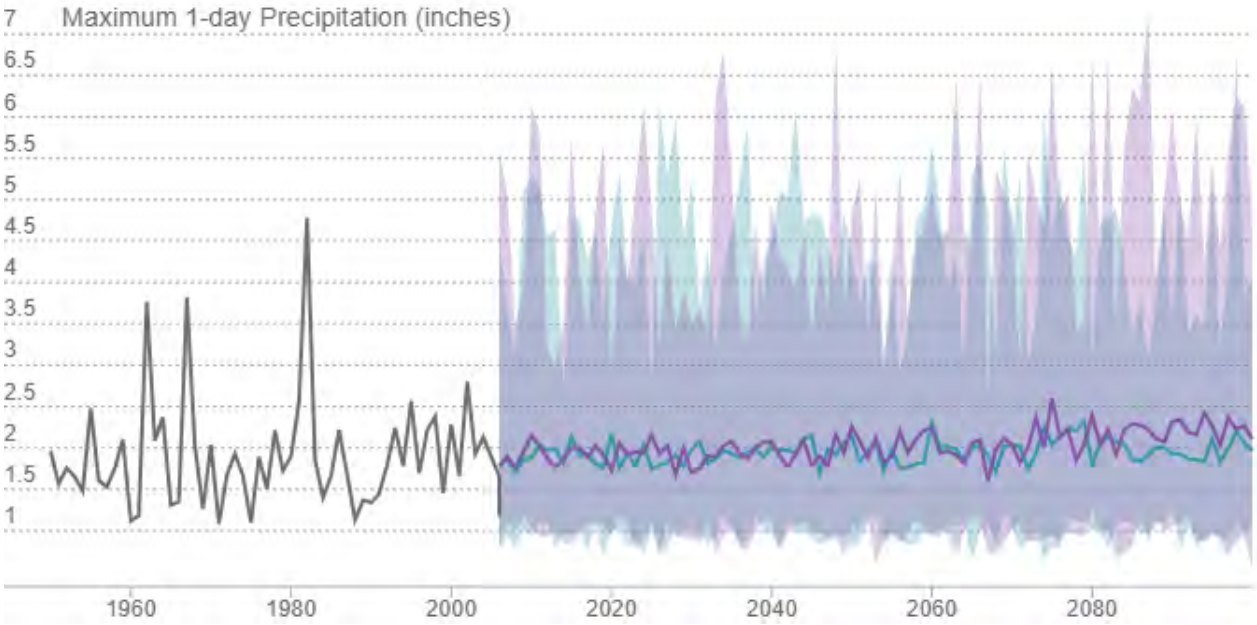
Precipitation

California's climate varies between wet and dry years. Research suggests that for much of the state, wet years will become wetter and the dry years will become drier. Dry years are also likely to be followed by dry years, increasing the risk of drought. While California does not see the average annual precipitation changing significantly in the next 50-75 years, precipitation will likely be delivered in more intense storms and within a shorter wet season. We are already seeing some of the impacts from a shift towards larger year to year fluctuations.

Maximum 1-day Precipitation

The maximum daily precipitation amount for each year. In other words, the greatest amount of daily rain or snow (over a 24 hour period) for each year.

Observed Medium Emissions (RCP 4.5) High Emissions (RCP 8.5)



Observed (1961-1990) 30yr Average: 1.929 inches

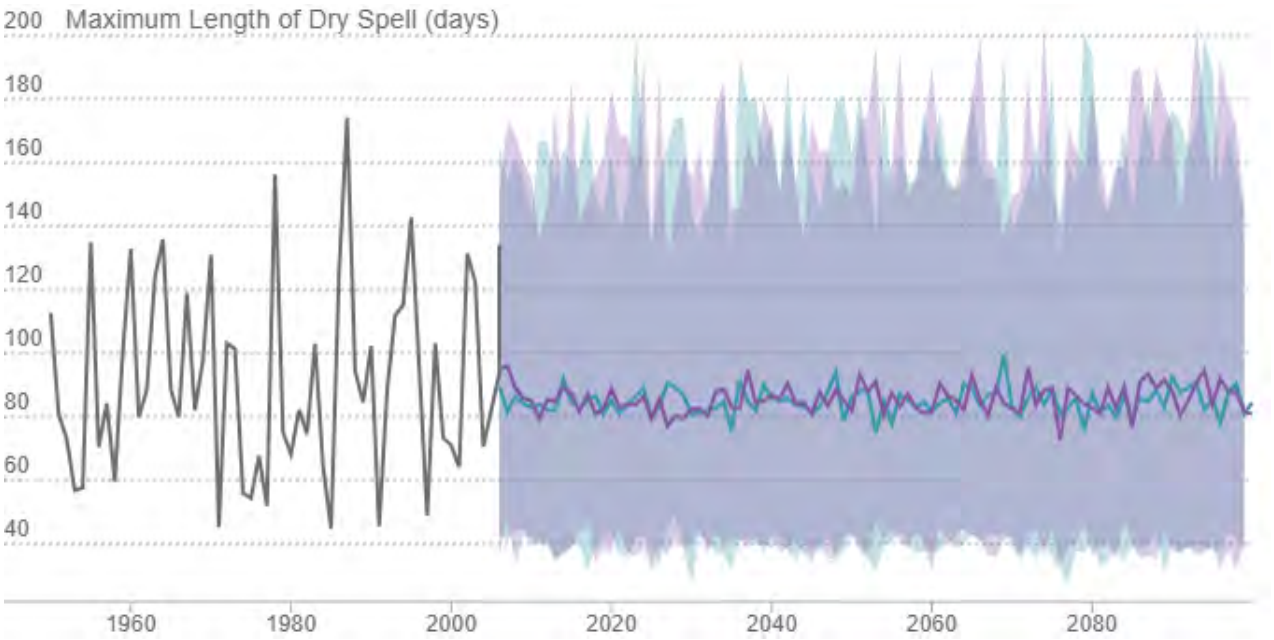
	Change from baseline ⓘ	30yr Average	30yr Range
Baseline (1961-1990)			
MODELED HISTORICAL	-	1.807 inches	1.595 - 2.067 inches
Mid-Century (2035-2064)			
MEDIUM EMISSIONS (RCP 4.5)	+0.142 inches	1.949 inches	1.700 - 2.444 inches
HIGH EMISSIONS (RCP 8.5)	+0.183 inches	1.990 inches	1.585 - 2.327 inches
End-Century (2070-2099)			
MEDIUM EMISSIONS (RCP 4.5)	+0.202 inches	2.009 inches	1.688 - 2.464 inches
HIGH EMISSIONS (RCP 8.5)	+0.374 inches	2.181 inches	1.636 - 2.889 inches

1. Data derived from 32 LOCA downscaled climate projections generated to support California's Fourth Climate Change Assessment. Details are described in Pierce et al., 2018.
2. Observed historical data derived from Gridded Observed Meteorological Data. Details are described in Livneh et al., 2015.
3. Data presented are aggregated over all LOCA grid cells that intersect Half Moon Bay boundary.
4. Threshold temperature for a location is defined as the 98th percentile value of historical daily maximum/minimum temperatures (from 1961–1990, between April and October) observed at that location.

Maximum Length of Dry Spell

The maximum length of dry spell for each year. In other words, the maximum number of consecutive days with precipitation < 1mm for each year.

Observed Medium Emissions (RCP 4.5) High Emissions (RCP 8.5)



Observed (1961-1990) 30yr Average: 92 days

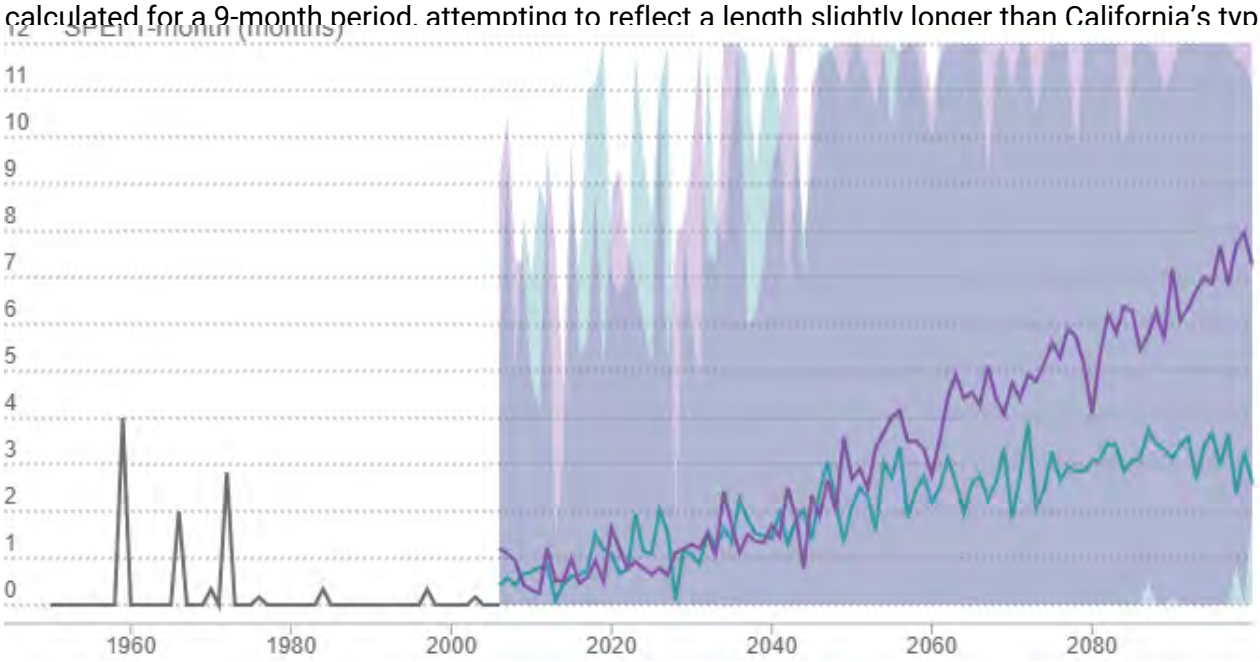
	Change from baseline ⓘ	30yr Average	30yr Range
Baseline (1961-1990)			
MODELED HISTORICAL	-	82 days	72 - 96 days
Mid-Century (2035-2064)			
MEDIUM EMISSIONS (RCP 4.5)	+3 days	85 days	68 - 109 days
HIGH EMISSIONS (RCP 8.5)	+4 days	86 days	69 - 107 days
End-Century (2070-2099)			
MEDIUM EMISSIONS (RCP 4.5)	+3 days	85 days	65 - 115 days
HIGH EMISSIONS (RCP 8.5)	+4 days	86 days	65 - 119 days

1. Data derived from 32 LOCA downscaled climate projections generated to support California's Fourth Climate Change Assessment. Details are described in Pierce et al., 2018.
2. Observed historical data derived from Gridded Observed Meteorological Data. Details are described in Livneh et al., 2015.
3. Data presented are aggregated over all LOCA grid cells that intersect Half Moon Bay boundary.

SPEI 1-month

Number of months in a year with a Standardised Precipitation-Evapotranspiration Index (SPEI) <= -1. SPEI is a multi-scalar drought index and can be used to detect, monitor and analyze droughts.

The standardized precipitation-evaporation index (SPEI) depicts the combined impacts of precipitation deficits and potential evapotranspiration on soil moisture. SPEI does not include impacts from effects like wind speed, relative humidity, or solar radiation impacts (typically short-term forcing) – making it more reflective of long-term hydrological and ecological drought conditions. Here we present SPEI calculated for a 9-month period, attempting to reflect a length slightly longer than California's typical



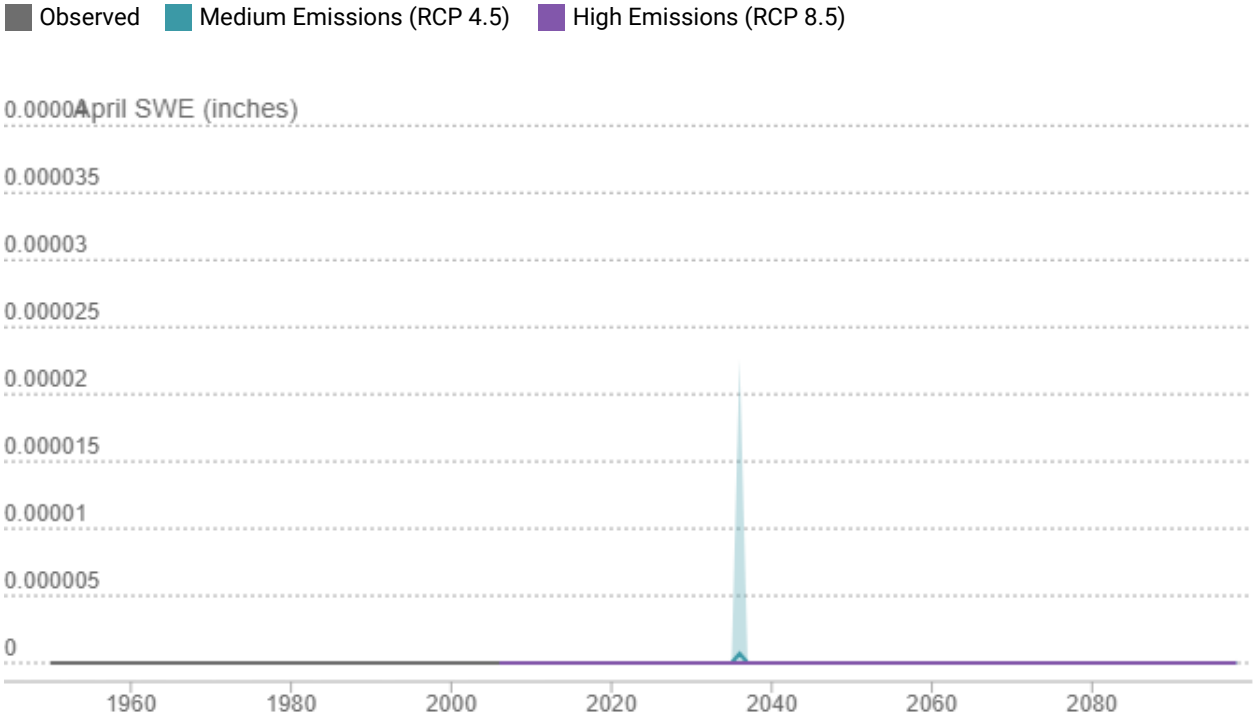
Observed (1961-1990) 30yr Average: 0.2 months

	Change from baseline ⓘ	30yr Average	30yr Range
Baseline (1961-1990)			
MODELED HISTORICAL	-	0.2 months	0.0 - 0.8 months
Mid-Century (2035-2064)			
MEDIUM EMISSIONS (RCP 4.5)	+1.9 months	2.1 months	0.2 - 4.8 months
HIGH EMISSIONS (RCP 8.5)	+2.5 months	2.7 months	0.3 - 6.9 months
End-Century (2070-2099)			
MEDIUM EMISSIONS (RCP 4.5)	+2.9 months	3.1 months	0.8 - 7.4 months
HIGH EMISSIONS (RCP 8.5)	+5.8 months	6.0 months	2.1 - 11.1 months

1. Data derived from 32 LOCA downscaled climate projections generated to support California's Fourth Climate Change Assessment. Details are described in Pierce et al., 2018.
2. Observed historical data derived from Gridded Observed Meteorological Data. Details are described in Livneh et al., 2015.
3. Data presented are aggregated over all LOCA grid cells that intersect Half Moon Bay boundary.

April SWE

Snow Water Equivalent (SWE), is a commonly used measurement used by hydrologists and water managers to gage the amount of liquid water contained within the snowpack.



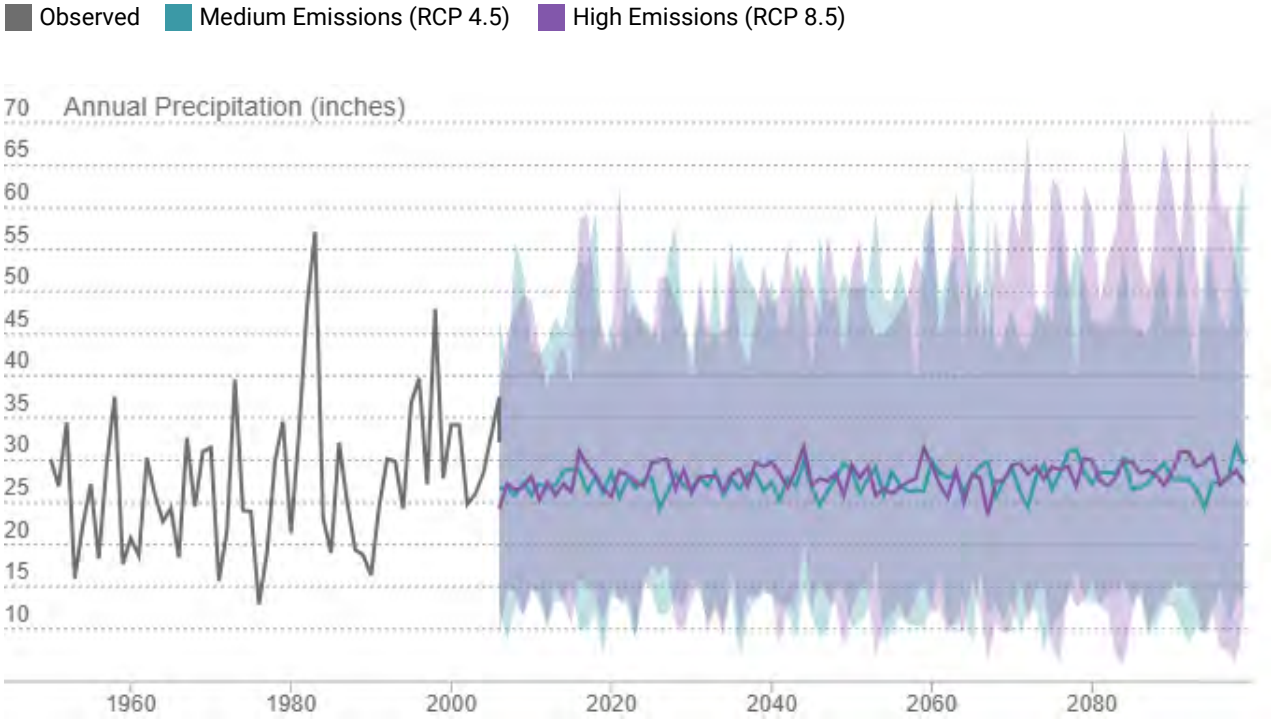
Observed (1961-1990) 30yr Average: 0.0 inches

	Change from baseline ⓘ	30yr Average	30yr Range
Baseline (1961-1990)			
MODELED HISTORICAL	-	0.0 inches	0.0 - 0.0 inches
Mid-Century (2035-2064)			
MEDIUM EMISSIONS (RCP 4.5)	+0.0 inches	0.0 inches	0.0 - 0.0 inches
HIGH EMISSIONS (RCP 8.5)	-	0.0 inches	0.0 - 0.0 inches
End-Century (2070-2099)			
MEDIUM EMISSIONS (RCP 4.5)	-	0.0 inches	0.0 - 0.0 inches
HIGH EMISSIONS (RCP 8.5)	-	0.0 inches	0.0 - 0.0 inches

1. Data derived from 32 LOCA downscaled climate projections generated to support California's Fourth Climate Change Assessment. Details are described in Pierce et al., 2018.
2. Observed historical data derived from Gridded Observed Meteorological Data. Details are described in Livneh et al., 2015.
3. Data presented are aggregated over all LOCA grid cells that intersect Half Moon Bay boundary.

Annual Precipitation

Total precipitation projected for a year



Observed (1961-1990) 30yr Average: 26.5 inches

	Change from baseline ⓘ	30yr Average	30yr Range
Baseline (1961-1990)			
MODELED HISTORICAL	-	27.7 inches	25.6 - 29.9 inches
Mid-Century (2035-2064)			
MEDIUM EMISSIONS (RCP 4.5)	-0.3 inches	27.4 inches	23.8 - 34.8 inches
HIGH EMISSIONS (RCP 8.5)	+0.3 inches	28.0 inches	22.3 - 35.0 inches
End-Century (2070-2099)			
MEDIUM EMISSIONS (RCP 4.5)	+0.4 inches	28.1 inches	23.4 - 33.7 inches
HIGH EMISSIONS (RCP 8.5)	+1.1 inches	28.8 inches	20.3 - 37.9 inches

1. Data derived from 32 LOCA downscaled climate projections generated to support California's Fourth Climate Change Assessment. Details are described in Pierce et al., 2018.
2. Observed historical data derived from Gridded Observed Meteorological Data. Details are described in Livneh et al., 2015.
3. Data presented are aggregated over all LOCA grid cells that intersect Half Moon Bay boundary.

APPENDIX 1.2

Project Area Water Rights
(electronic only)

Appendix 1.2 Project Area Water Rights

Copies of water rights within the Project Area are supplied in electronic format only

Water rights can be found here: CCWD Proposed Recycled Water Project

APPENDIX 1.3

Aerial Photographs
(electronic only)

Appendix 1.3 Aerial Photographs

Copies of aerial photographs within the Project Area are supplied in electronic format only.

Aerial photographs can be found here: CCWD Proposed Recycled Water Project

APPENDIX 1.4

Water Rights Information

Appendix 1.4. Water Rights Information

Groundwater Rights

Groundwater is treated as common law, rather than written law. Groundwater is available for beneficial use (water used for agricultural, mining, urban, or environmental uses) and reasonable use (relates to both the purpose of the water use and the relative consumption compared to other water users in the system) on lands that overlie a groundwater basin (TPL, 2003). In most areas of California, overlying landowners may extract percolating groundwater and put it to beneficial use without approval from the SWRCB or a court. California does not have a permit process for regulation of groundwater use. However, in several basins, groundwater use is subject to regulation in accordance with court decrees adjudicating the groundwater rights within the basins (California SWRCB, 2020).

Surface Water Rights

When it comes to surface water, there are the following types of water rights in California: riparian, appropriative, reserved, and pueblo (California SWRCB, 2020).

Riparian Rights

Riparian rights usually come with owning a parcel of land that is adjacent to a source of water – specifically surface water. According to the California State Water Resources Control Board (SWRCB; California SWRCB, 2020), a riparian right is defined as the following:

> *"A riparian right entitles the landowner to use a correlative share of the water flowing past his or her property. Riparian rights do not require permits, licenses, or government approval, but they apply only to the water which would naturally flow in the stream. Riparian rights do not entitle a water use to divert water to storage in a reservoir for use in the dry season or to use water on land outside of the watershed. Riparian rights remain with the property when it changes hands, although parcels severed from the adjacent water source generally lose their right to the water."*

Riparian rights do not fall under the authority of the SWRCB, and the use of riparian water generally is not quantified or documented. Therefore, riparian rights are not good candidates for transfer for environmental purposes (TPL, 2003). Riparian rights have a higher priority than appropriative rights. The priorities of riparian right holders generally carry equal weight – during a drought all share the shortage among themselves (California SWRCB, 2020).

There are riparian water rights (often filed as "Statement of Diversion and Use") within the Project Area. See Section 1.5.3 for additional information.

Appropriative Rights

For appropriative rights, there are two types: pre-1914 rights and post-1914 rights. The pre-1914 appropriative rights refer to rights adopted by individuals and organizations before legislation enacted by the Water Commission Act of 1913, and the post-1914 appropriative rights refer to rights adopted by individuals and organizations after the Act was passed. Pre-1914 appropriative rights fall outside the jurisdiction of the SWRCB, while post-1914 appropriative rights fall within the jurisdiction of the SWRCB (TPL, 2003).

Appropriative rights rely upon a "first in time, first in right" rule and contemplate the diversion of water for use on lands that are separated from a watercourse (TPL, 2003). For example, in the mid-1850s miners built an extensive network of flumes and waterways from rivers and streams to their mining claims. The miners established a system of a "posting notice" to identify their appropriate right of that surface water.

Although other miners could divert available able from that same surface water, their rights existed within a hierarchy of priorities (California SWRCB, 2020).

It should be noted that appropriative rights are the primary rights available for environmental transfers (TPL, 2003). Additionally, when compared to riparian rights, appropriative rights have less priority. Meaning during times of drought, individuals with riparian rights have access to water before individuals with appropriative rights (California SWRCB, 2020).

There are appropriative water rights within the Project Area. See Section 1.5.3 for additional information.

Reserved Rights

Reserved rights refer to water set aside by the federal government when it reserves land for the public domain (California SWRCB, 2020). One of the main characteristics of federal reserved water rights is that they often have senior priority over other water rights. However, in California reserved water rights are handled differently than other western states due to a California Supreme Court decision in 1988. During the hearing, the court ruled that under California state law, riparian rights exist on federal reserved lands abutting state highways. However, with this ruling the court also placed several limitations on the government's riparian rights, thus protecting an individual's access to surface water (Water Education Program, 2023a).

There are no federal reserved water rights within the Project Area.

Pueblo Rights

Pueblo rights refer to a municipal right based on Spanish and Mexican law (California SWRCB, 2020) and date back to 1848 (Water Education Foundation, 2023b). California cities that are successors of Spanish or Mexican pueblos (settlements), and followed claim procedures establishing their pueblo rights, have access to "the beneficial use of all needed, naturally occurring surface and subsurface water from the entire watershed of the stream flowing through the original pueblo" (Water Education Foundation, 2023b). Water use under a pueblo right must occur within the modern city limits, and excess water may not be sold outside the city. The quantity of water available for use under a pueblo right increases with population and with extensions of city limits by annexation of land not within the original pueblo. Because pueblo rights often predate other kinds of water rights within California, cities that possess pueblo rights (i.e., Los Angeles and San Deigo) have rights that are generally superior to riparian and appropriative water rights (Water Education Foundation, 2023b).

There are no pueblo water rights within the Project Area.

APPENDIX 2.1

Pilarcitos Creek USGS Gage Data
(electronic only)

Appendix 2.1 Pilarcitos Creek USGS Creek Gage Data

Copies of USGS gage data for Pilarcitos Creek are supplied in electronic format only

USGS gage data can be found here: CCWD Proposed Recycled Water Project

APPENDIX 3.1

California's Groundwater Live

California's Groundwater Live: Groundwater Levels

California Department of Water Resources

This story map includes the latest groundwater level information from throughout California. Information for groundwater levels is based on the California Department of Water Resources groundwater level database, which includes all groundwater level measurements collected for the Sustainable Groundwater Management Act (SGMA) and the California Statewide Groundwater Elevation Monitoring (CASGEM) programs. Click on the links in the banner above to explore the interactive and user-friendly dashboards, that detail current groundwater levels and how they have changed over time in California. For a glossary of water terms used on this site click here.

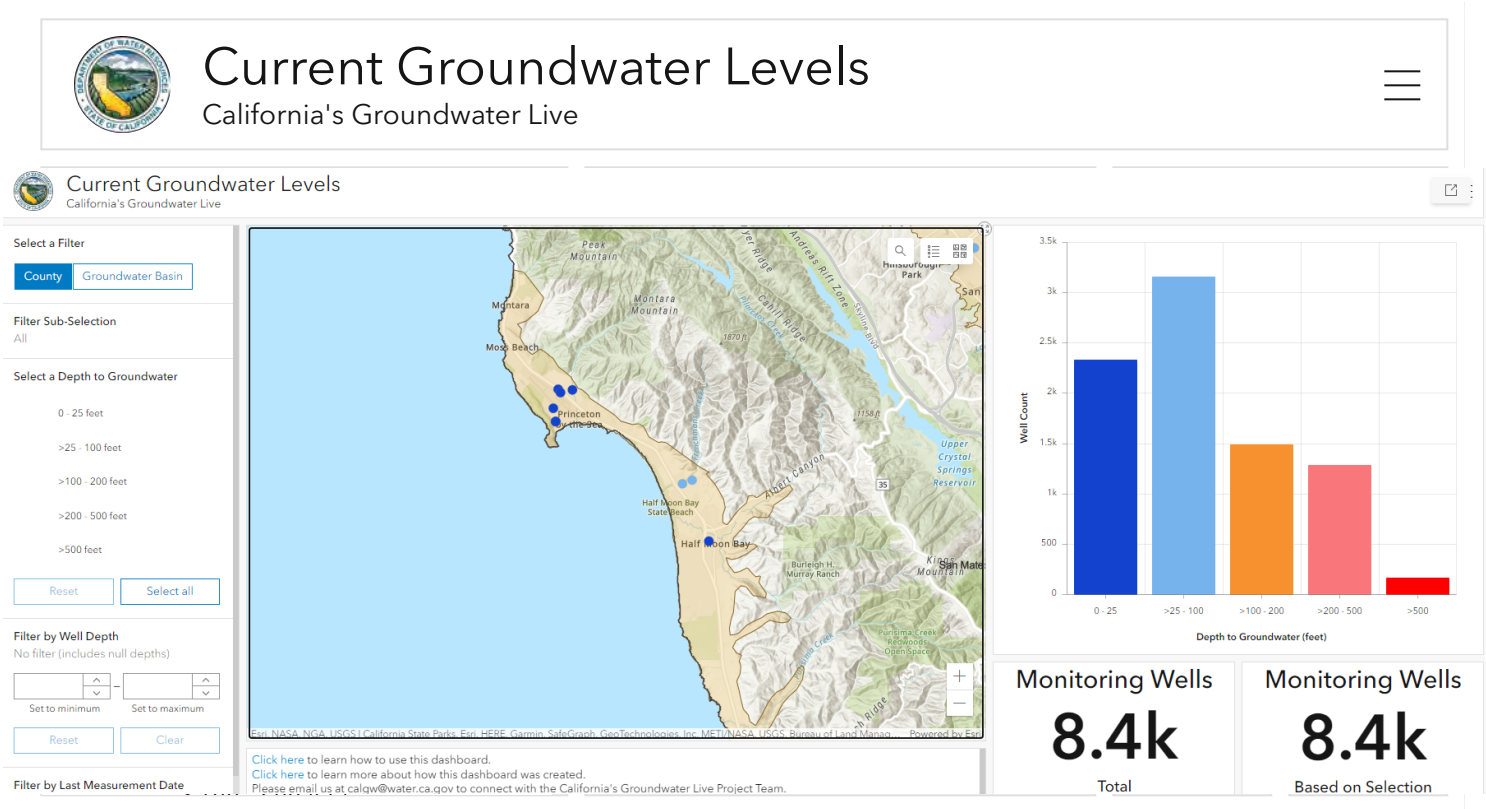
Current Groundwater Levels

The interactive dashboard below contains information about recent groundwater level measurements collected across California. The map displays the results of the most recent groundwater level measurement taken at each monitoring

location within the last 18 months. Only the most recent measurement at each well is shown in this dashboard. The dashboard includes a map, summary chart, and indicator, along with various filtering options. Wells displayed in the map and chart are categorized by depth to water below the groundwater surface with blue colors representing shallower depths and reddish hues deeper depths. The total number of wells that meet the given selection criteria are displayed in the indicator located in the the lower right portion of the dashboard. Explore the current groundwater levels by county, groundwater basin, depth to water category, well depth, or recent time period.

Additional information about this dataset and including how to download it to your computer can be found on the California Natural Resources Open Data Platform.

Navigation tip: exit out of the interactive maps and continue scrolling by clicking on the white border to the right or left of the map.



ArcGIS Dashboards

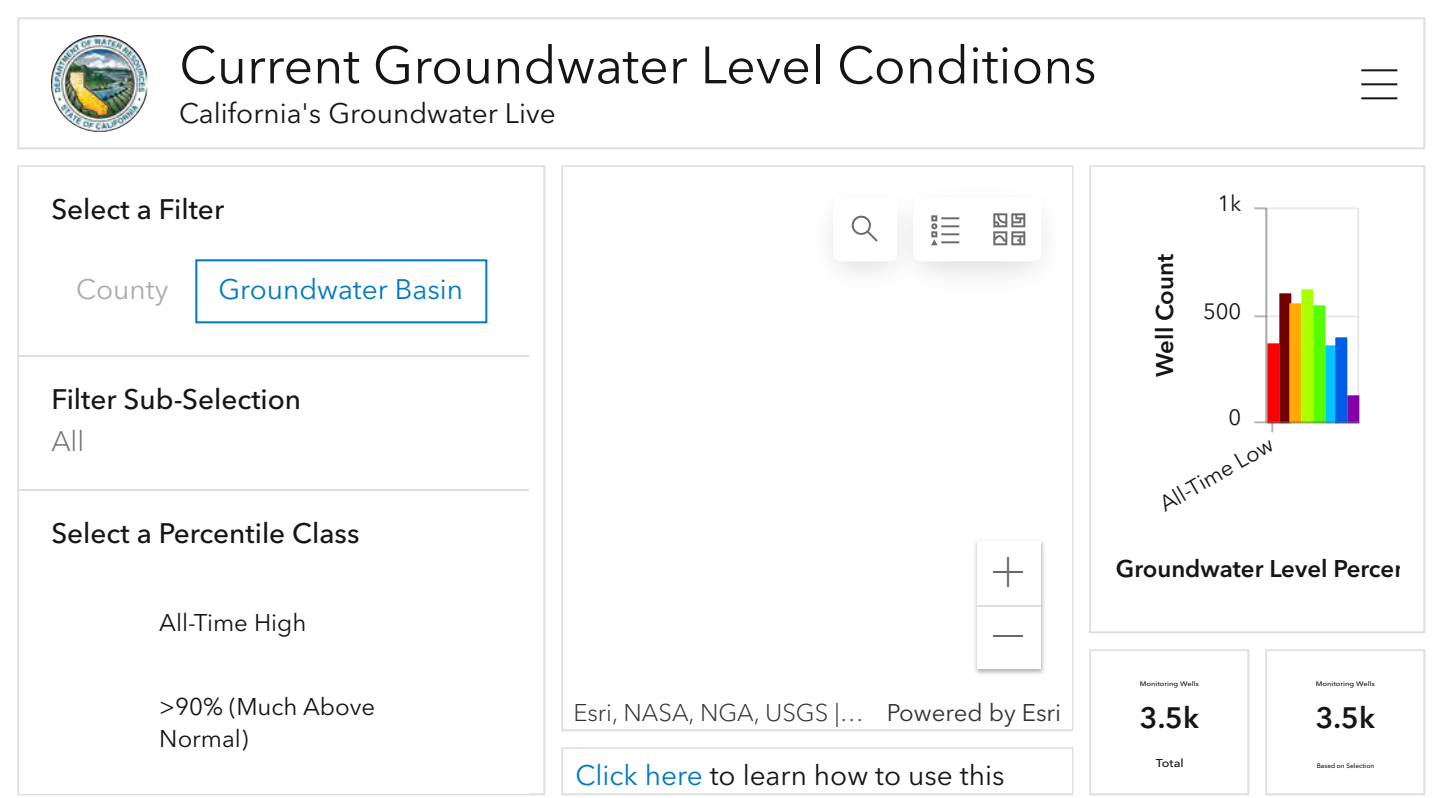
Click here to Return to the California's Groundwater Live Homepage. Scroll down to view additional dashboards related to groundwater levels.

Current Groundwater Level Conditions

The interactive dashboard below contains information about current groundwater level conditions across California. A statistical analysis is done to compare the most recent measurement to the previous 10 years of measurements for that location for the same month to determine whether it is above or below normal. Only the most recent measurement at each well is shown in this dashboard. The dashboard includes a map, summary chart, and indicator, along with various filtering options. Wells displayed in the map and chart are categorized by percentile class comparing the most recent measurement at that well to the last 10-years of measurements for that month with blue/purple colors representing above normal groundwater level, green representing normal and red/brown colors representing below normal conditions. The total number of wells that meet the given selection criteria are displayed in the indicator located in the the lower right portion of the dashboard. Explore groundwater level conditions by county, groundwater basin, depth to water category, well depth, or recent time period.

Additional information about this dataset and how to download it to your computer can be found on the California Natural Resources Open Data Platform.

Navigation tip: exit out of the interactive maps and continue scrolling by clicking on the white border to the right or left of the map.



ArcGIS Dashboards

Click here to Return to the California's Groundwater Live Homepage. Scroll up or down to view additional dashboards related to groundwater levels.

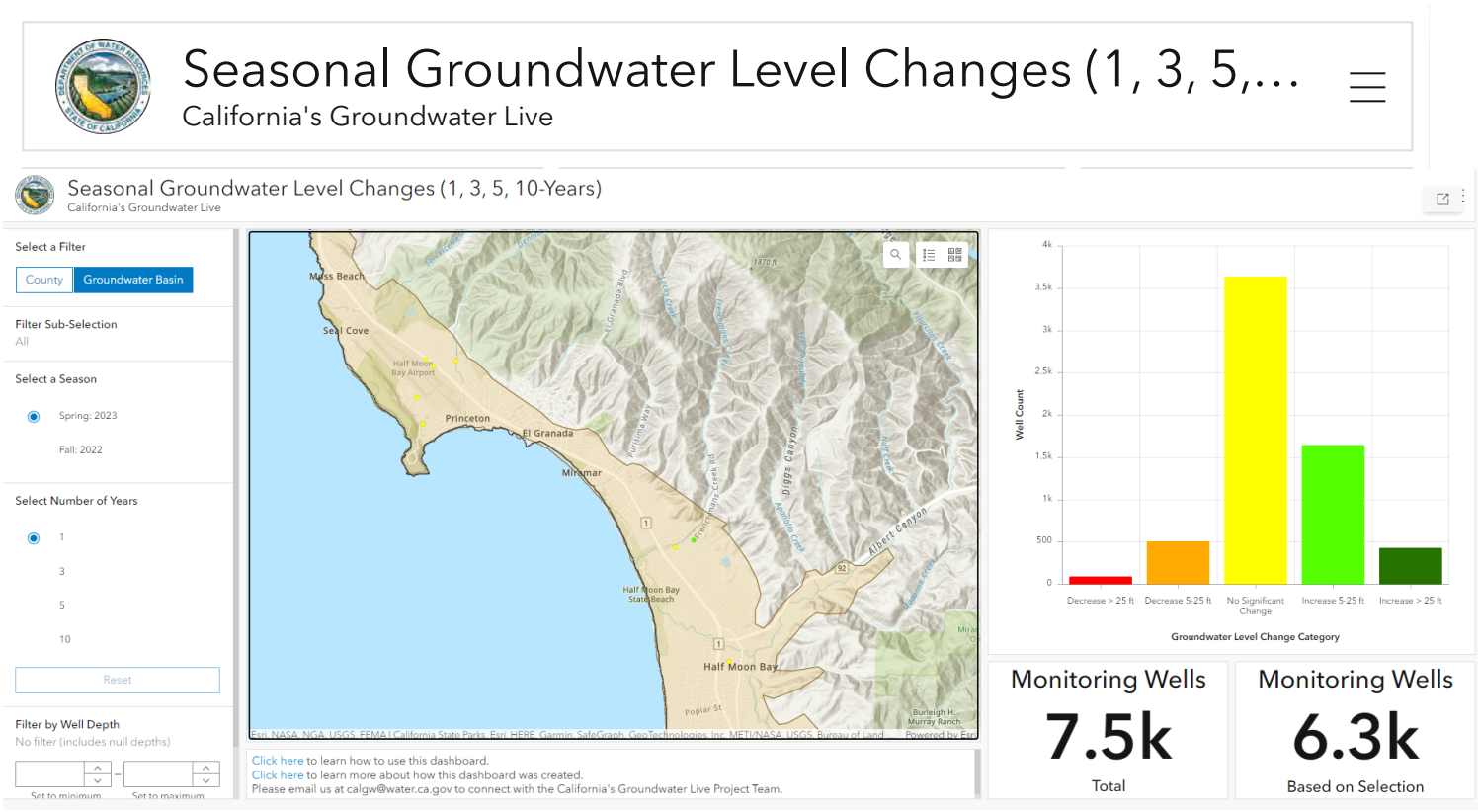
Seasonal Groundwater Level Changes (1, 3, 5, 10-Years)

The interactive dashboard below contains information about how groundwater levels have changed over time in California. Well measurements are separated into spring (January - May) and fall (June-November) seasons for this analysis. Each well is assigned one measurement per season. If multiple measurements are taken in the same season, the highest recorded measurement is selected for the spring period while the lowest recorded measurement is selected for the fall period. The dashboard includes a map, summary chart, and indicator, along with various filtering options. Wells displayed in the map and chart are categorized by

change in groundwater level with green colors representing positive groundwater level change, yellow representing no significant change and red/orange colors representing negative groundwater level change. The total number of wells that meet the given selection criteria are displayed in the indicator located in the the lower right portion of the dashboard. Explore groundwater level changes by county, groundwater basin, fall or spring season, 1, 3, 5, or 10-year change or well depth.

Additional information about this dataset and how to download it to your computer can be found on the California Natural Resources Open Data Platform.

Navigation tip: exit out of the interactive maps and continue scrolling by clicking on the white border to the right or left of the map.



ArcGIS Dashboards

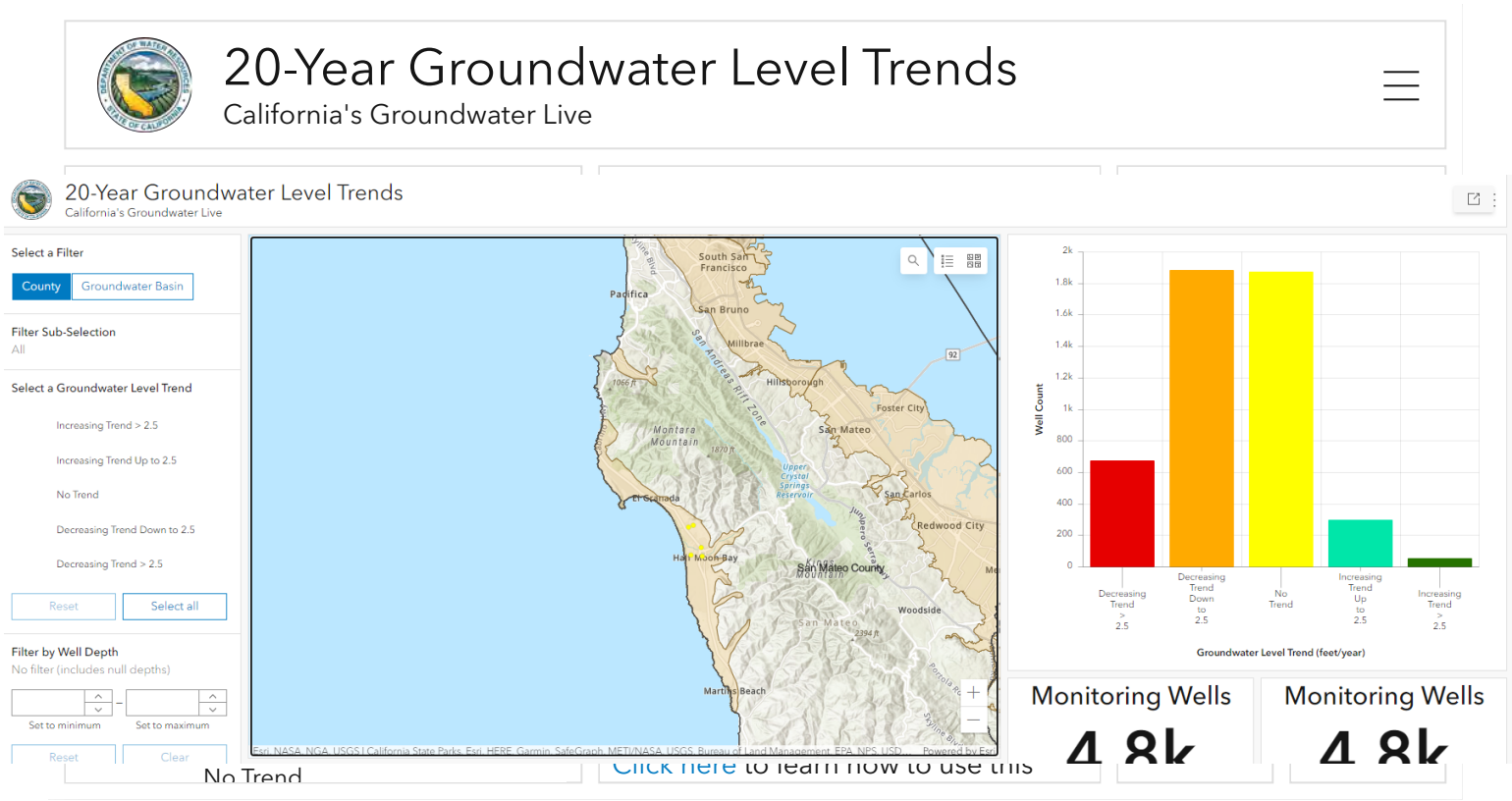
Click here to Return to the California's Groundwater Live Homepage. Scroll up or down to view additional dashboards related to groundwater levels.

20-Year Groundwater Level Trends

The interactive dashboard below contains information about long-term groundwater level trends in California. A statistical analysis is done using the Mann-Kendall trend test to determine whether each monitoring well has had an increasing, decreasing or stable trend based on the previous 20 years of records for spring measurements (taken between January and June). The dashboard includes a map, summary chart, and indicator, along with various filtering options. Wells displayed in the map and chart are categorized by trend in groundwater level with green colors representing positive groundwater level trends, yellow representing no significant trend and red/orange colors representing negative groundwater level trend. The total number of wells that meet the given selection criteria are displayed in the indicator located in the the lower right portion of the dashboard. Explore groundwater level changes by county, groundwater basin, groundwater level trend category or well depth.

Additional information about this dataset and how to download it to your computer can be found on the California Natural Resources Open Data Platform.

Navigation tip: exit out of the interactive maps and continue scrolling by clicking on the white border to the right or left of the map.



ArcGIS Dashboards

Click here to Return to the California's Groundwater Live Homepage. Scroll up to view additional dashboards related to groundwater levels.

APPENDIX 3.2

San Mateo County Well Completion Report Information
(electronic only)

Appendix 3.2 San Mateo County Well Completion Report Information

Copies of well completion reports in San Mateo County are supplied in electronic format only

Well completion reports can be found here: CCWD Proposed Recycled Water Project

APPENDIX 3.3

Hydrographs

CASGEM Online System

Welcome: Jesse Carlson

Public: Well Details

View Well Data

Identification

Local Well Designation	05S05W19H001M
Is Local Designation the same as State Well #?	Yes
State Well Number	05S05W19H001M
Master Site Code	374833N1224430W001
CASGEM Well Id	7004
Data submittals for this well are under	Voluntary

Reference and Ground Surface

RP Elevation	76.621 ft.
Description	The RP is at the top edge of the access hole in the well cap.
GS Elevation	75.402 ft.
Method	Surveyed
Accuracy	0.1 ft.
Distance from RP	1.219

Well Use

Well Use	Unknown
Well Status	Active

Geography

Latitude	37.4833 North
Longitude	-122.443 East
	View on Map
Method	Unknown
Accuracy	Unknown
Physical Basin	Non-Alluvial
County	San Mateo

Well Associations

No well associations

Primary Well Org

Notification Basin/Portion

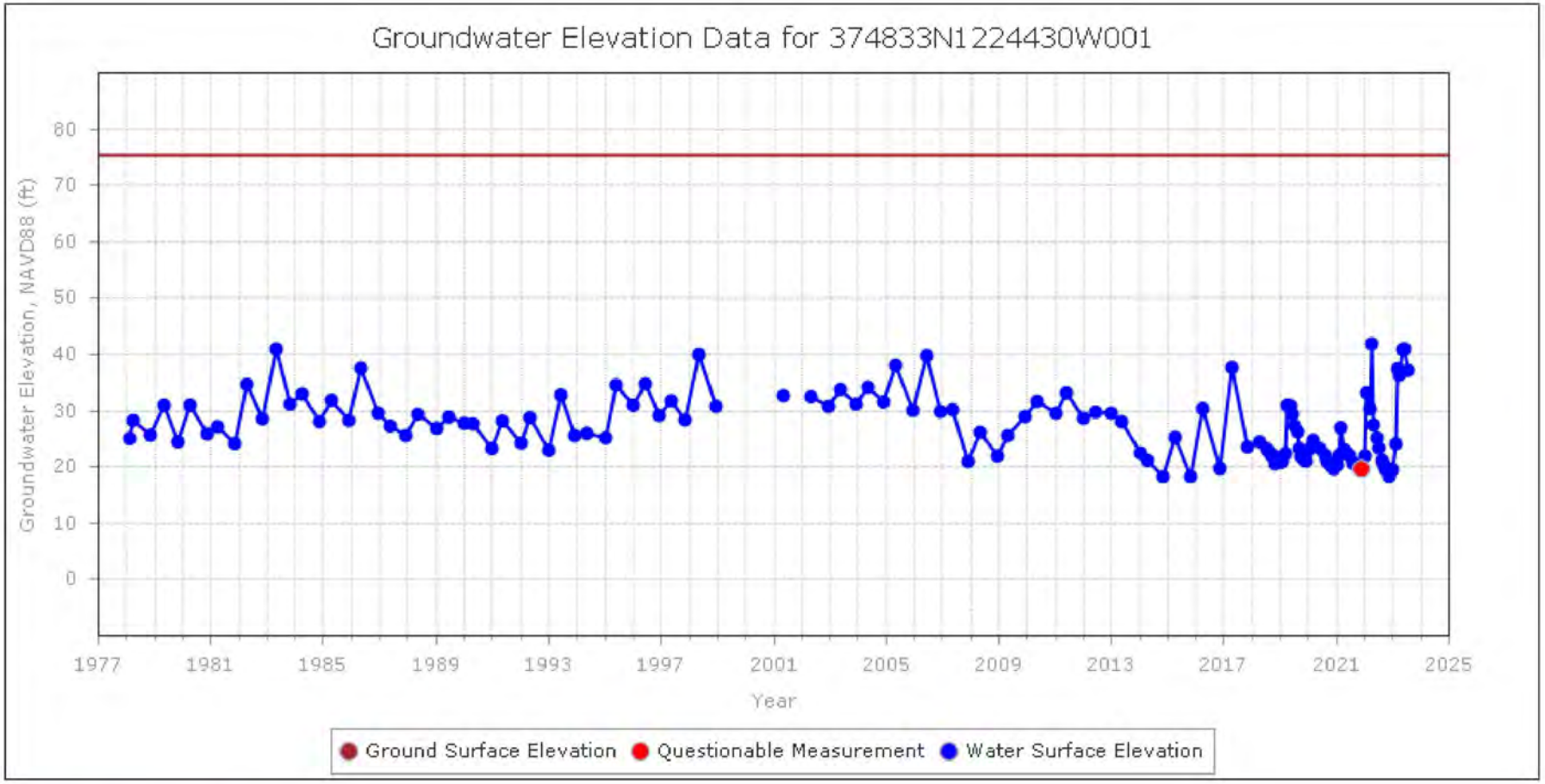
Well Construction

Completion Type	Unknown
Total Depth	Confidential
Do you have well construction data?	Confidential
Well completion report available?	Yes
Well Completion Report #	38256

Additional Information

Written description of location of well	**Any additional comments**

View Hydrograph



View Elevation Data

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
06/02/2023	00:00			39.400	0.000	39.400	76.621	75.402	37.221	38.181	ES	0.1 Ft	Dep Res
05/04/2023	00:00			35.610	0.000	35.610	76.621	75.402	41.011	34.391	ES	0.1 Ft	Dep Res

1 2 3 Page size: 50

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
04/25/2023	00:00	7					76.621	75.402					Dep Res
04/05/2023	00:00			32.900	0.000	32.900	73.810	72.810	40.910	31.900	ES	0.1 Ft	Dep Res
03/07/2023	00:00			37.440	0.000	37.440	73.810	72.810	36.370	36.440	ES	0.1 Ft	Dep Res
02/07/2023	00:00			36.310	0.000	36.310	73.810	72.810	37.500	35.310	ES	0.1 Ft	Dep Res
01/03/2023	00:00			49.650	0.000	49.650	73.810	72.810	24.160	48.650	ES	0.1 Ft	Dep Res
12/01/2022	00:00			54.250	0.000	54.250	73.810	72.810	19.560	53.250	ES	0.1 Ft	Dep Res
11/03/2022	00:00			54.200	0.000	54.200	73.810	72.810	19.610	53.200	ES	0.1 Ft	Dep Res
10/06/2022	00:00			55.500	0.000	55.500	73.810	72.810	18.310	54.500	ES	0.1 Ft	Dep Res
09/07/2022	00:00			54.200	0.000	54.200	73.810	72.810	19.610	53.200	ES	0.1 Ft	Dep Res
08/03/2022	00:00			53.400	0.000	53.400	73.810	72.810	20.410	52.400	ES	0.1 Ft	Dep Res
07/19/2022	00:00			52.600	0.000	52.600	73.810	72.810	21.210	51.600	ES	0.1 Ft	Dep Res
06/16/2022	00:00			50.400	0.000	50.400	73.810	72.810	23.410	49.400	ES	0.1 Ft	Dep Res
05/10/2022	00:00			48.600	0.000	48.600	73.810	72.810	25.210	47.600	ES	0.1 Ft	Dep Res
04/05/2022	00:00			46.300	0.000	46.300	73.810	72.810	27.510	45.300	ES	0.1 Ft	Dep Res
03/01/2022	00:00			31.900	0.000	31.900	73.810	72.810	41.910	30.900	ES	0.1 Ft	Dep Res

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
02/10/2022	00:00			43.400	0.000	43.400	73.810	72.810	30.410	42.400	ES	0.1 Ft	Dep Res
01/06/2022	00:00			40.600	0.000	40.600	73.810	72.810	33.210	39.600	ES	0.1 Ft	Dep Res
12/06/2021	00:00			51.800	0.000	51.800	73.810	72.810	22.010	50.800	ES	0.1 Ft	Dep Res
10/04/2021	00:00		6	53.800	0.000	53.800	73.810	72.810	20.010	52.800	ES	0.1 Ft	Dep Res
09/07/2021	00:00			53.800	0.000	53.800	73.810	72.810	20.010	52.800	ES	0.1 Ft	Dep Res
08/03/2021	00:00			53.300	0.000	53.300	73.810	72.810	20.510	52.300	ES	0.1 Ft	Dep Res
07/01/2021	00:00			53.100	0.000	53.100	73.810	72.810	20.710	52.100	ES	0.1 Ft	Dep Res
06/02/2021	00:00	7					73.810	72.810					Dep Res
05/06/2021	00:00			51.700	0.000	51.700	73.810	72.810	22.110	50.700	ES	0.1 Ft	Dep Res
04/13/2021	00:00			52.000	0.900	51.100	73.810	72.810	22.710	50.100	ES	0.1 Ft	Dep Res
03/03/2021	00:00			51.000	0.300	50.700	73.810	72.810	23.110	49.700	ST	0.1 Ft	Dep Res
02/02/2021	00:00			52.000	5.200	46.800	73.810	72.810	27.010	45.800	ST	0.1 Ft	Dep Res
01/25/2021	00:00			55.000	3.300	51.700	73.810	72.810	22.110	50.700	ST	0.1 Ft	Dep Res
12/10/2020	00:00			53.400	0.000	53.400	73.810	72.810	20.410	52.400	ES	0.1 Ft	Dep Res
11/13/2020	00:00			54.100	0.000	54.100	73.810	72.810	19.710	53.100	ES	0.1 Ft	Dep Res

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
10/13/2020	00:00			53.800	0.000	53.800	73.810	72.810	20.010	52.800	ES	0.1 Ft	Dep Res
09/17/2020	00:00			53.300	0.000	53.300	73.810	72.810	20.510	52.300	ES	0.1 Ft	Dep Res
08/19/2020	00:00			52.800	0.000	52.800	73.810	72.810	21.010	51.800	ES	0.1 Ft	Dep Res
07/09/2020	00:00			51.700	0.000	51.700	73.810	72.810	22.110	50.700	ES	0.1 Ft	Dep Res
05/13/2020	00:00			50.500	0.000	50.500	73.810	72.810	23.310	49.500	ES	0.1 Ft	Dep Res
04/20/2020	00:00	7					73.810	72.810					Dep Res
03/20/2020	00:00	7					73.810	72.810					Dep Res
02/10/2020	00:00			49.000	0.000	49.000	73.810	72.810	24.810	48.000	ES	0.1 Ft	Dep Res
01/13/2020	00:00			50.200	0.000	50.200	73.810	72.810	23.610	49.200	ES	0.1 Ft	Dep Res
12/19/2019	00:00			50.900	0.000	50.900	73.810	72.810	22.910	49.900	ES	0.1 Ft	Dep Res
11/21/2019	00:00			52.700	0.000	52.700	73.810	72.810	21.110	51.700	ES	0.1 Ft	Dep Res
10/17/2019	00:00			52.600	0.000	52.600	73.810	72.810	21.210	51.600	ES	0.1 Ft	Dep Res
09/09/2019	00:00			51.900	0.000	51.900	73.810	72.810	21.910	50.900	ES	0.1 Ft	Dep Res
08/12/2019	00:00			50.500	0.000	50.500	73.810	72.810	23.310	49.500	ES	0.1 Ft	Dep Res
07/10/2019	00:00			47.500	0.000	47.500	73.810	72.810	26.310	46.500	ES	0.1 Ft	Dep Res

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
06/18/2019	00:00			46.400	0.000	46.400	73.810	72.810	27.410	45.400	ES	0.1 Ft	Dep Res
05/24/2019	00:00			44.400	0.000	44.400	73.810	72.810	29.410	43.400	ES	0.1 Ft	Dep Res
04/29/2019	00:00			42.900	0.000	42.900	73.810	72.810	30.910	41.900	ES	0.1 Ft	Dep Res

1 2 3 Page size:

Close

Last edited by: DA LOAD on 7/7/2023 3:40:51 PM

CASGEM Online System

Welcome: Jesse Carlson

Public: Well Details

View Well Data

Identification

Local Well Designation	05S05W19J002M
Is Local Designation the same as State Well #?	Yes
State Well Number	05S05W19J002M
Master Site Code	374806N1224456W001
CASGEM Well Id	7005
Data submittals for this well are under	Voluntary

Reference and Ground Surface

RP Elevation	53 ft.
Description	None Provided
GS Elevation	52.8 ft.
Method	Unknown
Accuracy	Unknown
Distance from RP	0.2

Well Use

Well Use	Unknown
Well Status	Active

Well Construction

Geography

Latitude	37.4806 North
Longitude	-122.4456 East
	View on Map
Method	Unknown
Accuracy	Unknown
Physical Basin	Non-Alluvial
County	San Mateo

Well Associations

No well associations

Primary Well Org

Notification

Basin/Portion

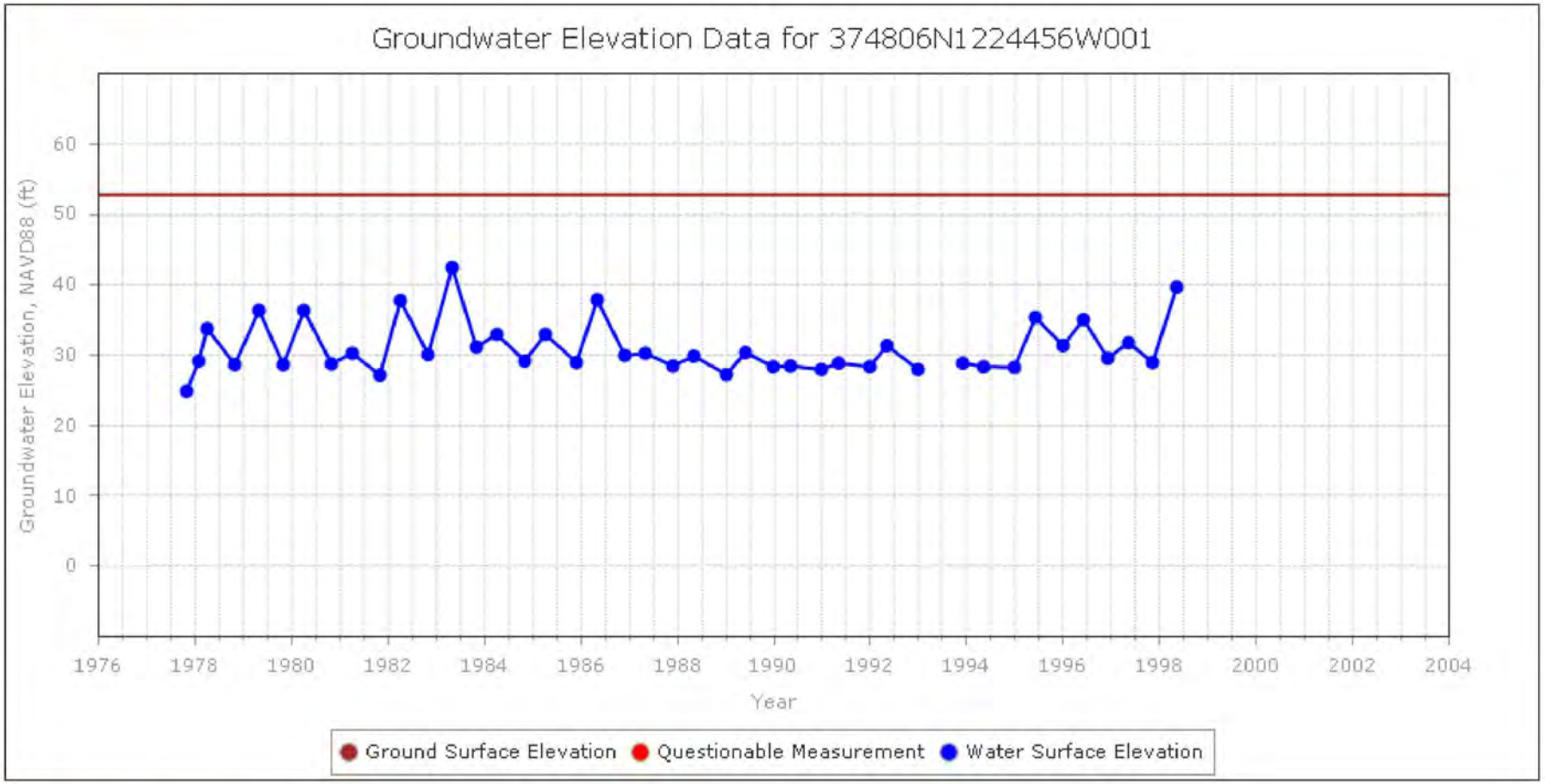
Completion Type	Unknown
Total Depth	Confidential
Do you have well construction data?	Confidential
Well completion report available?	No

Additional Information

Written description of location of well

Any additional comments

View Hydrograph



View Elevation Data

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
04/16/2003	00:00	6					53.000	52.800					Dep Res
11/19/2002	00:00	6					53.000	52.800					Dep Res
04/10/2002	00:00	6					53.000	52.800					Dep Res
04/26/2001	00:00	6					53.000	52.800					Dep Res
10/31/2000	00:00	6					53.000	52.800					Dep Res
11/02/1999	00:00	6					53.000	52.800					Dep Res
03/11/1999	00:00	6					53.000	52.800					Dep Res
11/17/1998	00:00	6					53.000	52.800					Dep Res
04/16/1998	00:00			13.300	0.000	13.300	53.000	52.800	39.700	13.100	UNK	Unknown	Dep Res
10/21/1997	00:00			24.000	0.000	24.000	53.000	52.800	29.000	23.800	UNK	Unknown	Dep Res
04/10/1997	00:00			21.200	0.000	21.200	53.000	52.800	31.800	21.000	UNK	Unknown	Dep Res
11/13/1996	00:00			23.400	0.000	23.400	53.000	52.800	29.600	23.200	UNK	Unknown	Dep Res
05/01/1996	00:00			17.900	0.000	17.900	53.000	52.800	35.100	17.700	UNK	Unknown	Dep Res
12/20/1995	00:00			21.600	0.000	21.600	53.000	52.800	31.400	21.400	UNK	Unknown	Dep Res
05/04/1995	00:00			17.600	0.000	17.600	53.000	52.800	35.400	17.400	UNK	Unknown	Dep Res

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
12/14/1994	00:00			24.700	0.000	24.700	53.000	52.800	28.300	24.500	UNK	Unknown	Dep Res
04/22/1994	00:00			24.600	0.000	24.600	53.000	52.800	28.400	24.400	UNK	Unknown	Dep Res
11/18/1993	00:00			24.100	0.000	24.100	53.000	52.800	28.900	23.900	UNK	Unknown	Dep Res
05/04/1993	00:00	5					53.000	52.800					Dep Res
12/03/1992	00:00			25.000	0.000	25.000	53.000	52.800	28.000	24.800	UNK	Unknown	Dep Res
04/28/1992	00:00			21.600	0.000	21.600	53.000	52.800	31.400	21.400	UNK	Unknown	Dep Res
12/12/1991	00:00			24.600	0.000	24.600	53.000	52.800	28.400	24.400	UNK	Unknown	Dep Res
04/24/1991	00:00			24.100	0.000	24.100	53.000	52.800	28.900	23.900	UNK	Unknown	Dep Res
12/18/1990	00:00			25.000	0.000	25.000	53.000	52.800	28.000	24.800	UNK	Unknown	Dep Res
04/19/1990	00:00			24.500	0.000	24.500	53.000	52.800	28.500	24.300	UNK	Unknown	Dep Res
12/12/1989	00:00			24.600	0.000	24.600	53.000	52.800	28.400	24.400	UNK	Unknown	Dep Res
05/16/1989	00:00			22.600	0.000	22.600	53.000	52.800	30.400	22.400	UNK	Unknown	Dep Res
12/19/1988	00:00			25.700	0.000	25.700	53.000	52.800	27.300	25.500	UNK	Unknown	Dep Res
04/28/1988	00:00			23.100	0.000	23.100	53.000	52.800	29.900	22.900	UNK	Unknown	Dep Res
11/25/1987	00:00			24.500	0.000	24.500	53.000	52.800	28.500	24.300	UNK	Unknown	Dep Res

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
04/30/1987	00:00			22.700	0.000	22.700	53.000	52.800	30.300	22.500	UNK	Unknown	Dep Res
11/05/1986	00:00			23.000	0.000	23.000	53.000	52.800	30.000	22.800	UNK	Unknown	Dep Res
04/14/1986	00:00			15.100	0.000	15.100	53.000	52.800	37.900	14.900	UNK	Unknown	Dep Res
11/14/1985	00:00			24.000	0.000	24.000	53.000	52.800	29.000	23.800	UNK	Unknown	Dep Res
03/19/1985	00:00			20.000	0.000	20.000	53.000	52.800	33.000	19.800	UNK	Unknown	Dep Res
10/10/1984	00:00			23.800	0.000	23.800	53.000	52.800	29.200	23.600	UNK	Unknown	Dep Res
03/08/1984	00:00			20.000	0.000	20.000	53.000	52.800	33.000	19.800	UNK	Unknown	Dep Res
10/13/1983	00:00			21.800	0.000	21.800	53.000	52.800	31.200	21.600	UNK	Unknown	Dep Res
04/08/1983	00:00			10.500	0.000	10.500	53.000	52.800	42.500	10.300	UNK	Unknown	Dep Res
10/21/1982	00:00			22.900	0.000	22.900	53.000	52.800	30.100	22.700	UNK	Unknown	Dep Res
03/11/1982	00:00			15.200	0.000	15.200	53.000	52.800	37.800	15.000	UNK	Unknown	Dep Res
10/14/1981	00:00			25.800	0.000	25.800	53.000	52.800	27.200	25.600	UNK	Unknown	Dep Res
03/30/1981	00:00			22.700	0.000	22.700	53.000	52.800	30.300	22.500	UNK	Unknown	Dep Res
10/16/1980	00:00			24.200	0.000	24.200	53.000	52.800	28.800	24.000	UNK	Unknown	Dep Res
03/24/1980	00:00			16.600	0.000	16.600	53.000	52.800	36.400	16.400	UNK	Unknown	Dep Res

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
10/11/1979	00:00			24.300	0.000	24.300	53.000	52.800	28.700	24.100	UNK	Unknown	Dep Res
04/04/1979	00:00			16.600	0.000	16.600	53.000	52.800	36.400	16.400	UNK	Unknown	Dep Res
10/13/1978	00:00			24.300	0.000	24.300	53.000	52.800	28.700	24.100	UNK	Unknown	Dep Res
03/22/1978	00:00			19.200	0.000	19.200	53.000	52.800	33.800	19.000	UNK	Unknown	Dep Res
01/24/1978	00:00			23.800	0.000	23.800	53.000	52.800	29.200	23.600	UNK	Unknown	Dep Res

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Close

Last edited by: DA LOAD on 5/16/2023 11:29:40 AM

CASGEM Online System

Welcome: Jesse Carlson

Public: Well Details

View Well Data

Identification

Local Well Designation	05S05W29F004M
Is Local Designation the same as State Well #?	Yes
State Well Number	05S05W29F004M
Master Site Code	374700N1224326W001
CASGEM Well Id	7006
Data submittals for this well are under	Voluntary

Reference and Ground Surface

RP Elevation	53.11 ft.
Description	None Provided
GS Elevation	52.81 ft.
Method	Unknown
Accuracy	Unknown
Distance from RP	0.30

Well Use

Well Use	Irrigation
Well Status	Active

Well Construction

Geography

Latitude	37.47 North
Longitude	-122.4326 East
	View on Map
Method	Unknown
Accuracy	Unknown
Physical Basin	Non-Alluvial
County	San Mateo

Well Associations

No well associations

Primary Well Org

Notification

Basin/Portion

Completion Type	Single Well
Total Depth	Confidential
Do you have well construction data?	Confidential
Well completion report available?	No

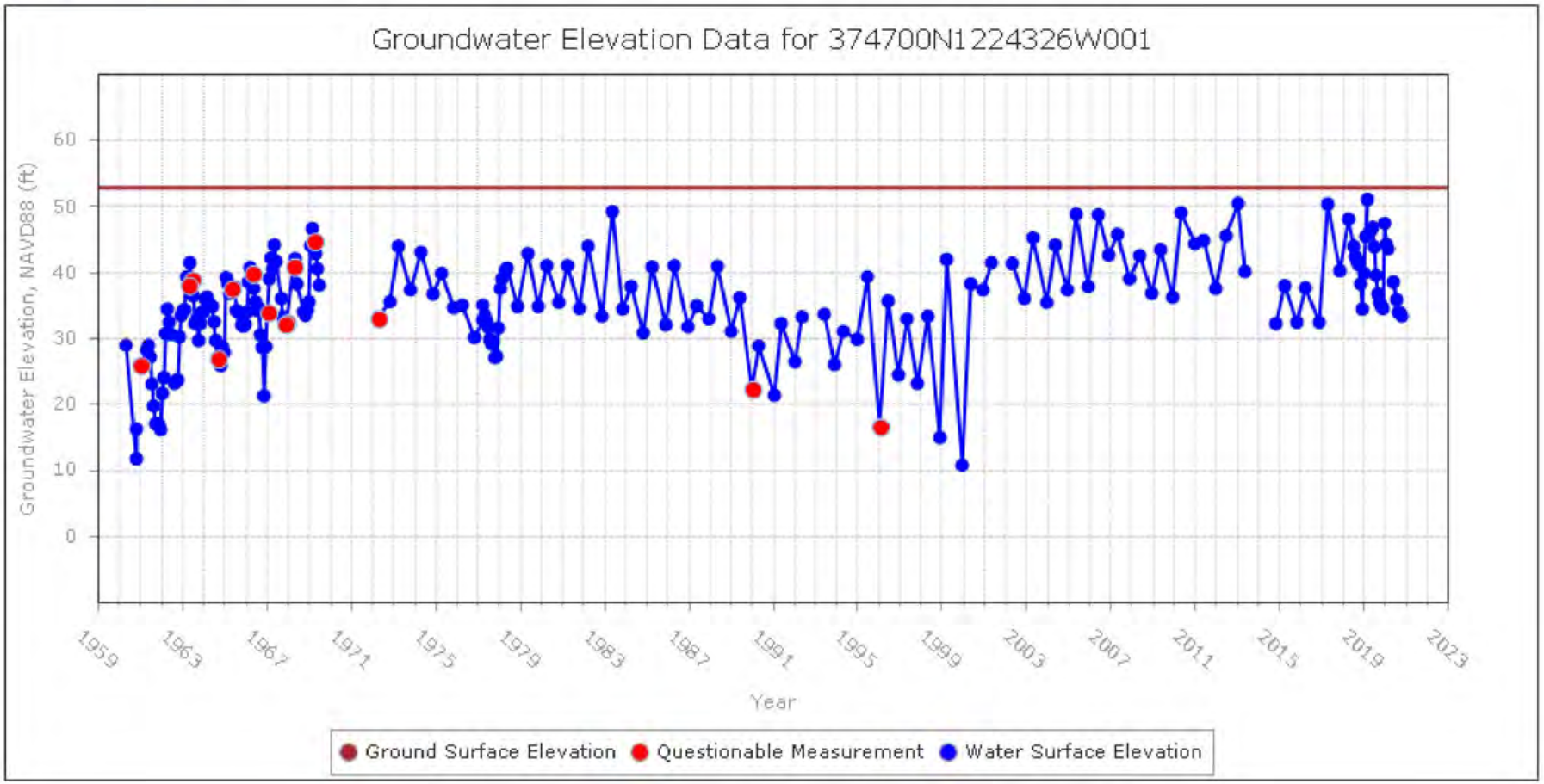
Additional Information

Written description of location of well

Any additional comments

Well was removed in November 2020 from the DWR network due to lack of well construction details.

View Hydrograph



View Elevation Data

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
11/12/2020	00:00	0					53.110	52.810					Dep Res
10/13/2020	00:00			19.700	0.000	19.700	53.110	52.810	33.410	19.400	ES	0.1 Ft	Dep Res
09/17/2020	00:00			19.200	0.000	19.200	53.110	52.810	33.910	18.900	ES	0.1 Ft	Dep Res
08/19/2020	00:00			19.100	0.000	19.100	53.110	52.810	34.010	18.800	ES	0.1 Ft	Dep Res
07/09/2020	00:00			17.200	0.000	17.200	53.110	52.810	35.910	16.900	ES	0.1 Ft	Dep Res
05/13/2020	00:00			14.500	0.000	14.500	53.110	52.810	38.610	14.200	ES	0.1 Ft	Dep Res
04/20/2020	00:00	7					53.110	52.810					Dep Res
03/20/2020	00:00	7					53.110	52.810					Dep Res
02/10/2020	00:00			9.500	0.000	9.500	53.110	52.810	43.610	9.200	ES	0.1 Ft	Dep Res
01/13/2020	00:00			8.800	0.000	8.800	53.110	52.810	44.310	8.500	ES	0.1 Ft	Dep Res
12/19/2019	00:00			5.600	0.000	5.600	53.110	52.810	47.510	5.300	ES	0.1 Ft	Dep Res
11/21/2019	00:00			18.500	0.000	18.500	53.110	52.810	34.610	18.200	ES	0.1 Ft	Dep Res
10/17/2019	00:00			18.100	0.000	18.100	53.110	52.810	35.010	17.800	ES	0.1 Ft	Dep Res
09/09/2019	00:00			17.500	0.000	17.500	53.110	52.810	35.610	17.200	ES	0.1 Ft	Dep Res

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
08/12/2019	00:00			16.300	0.000	16.300	53.110	52.810	36.810	16.000	ES	0.1 Ft	Dep Res
07/10/2019	00:00			13.500	0.000	13.500	53.110	52.810	39.610	13.200	ES	0.1 Ft	Dep Res
06/18/2019	00:00			9.200	0.000	9.200	53.110	52.810	43.910	8.900	ES	0.1 Ft	Dep Res
05/24/2019	00:00			6.200	0.000	6.200	53.110	52.810	46.910	5.900	ES	0.1 Ft	Dep Res
04/29/2019	00:00			6.700	0.000	6.700	53.110	52.810	46.410	6.400	ES	0.1 Ft	Dep Res
03/26/2019	00:00	9					53.110	52.810					Dep Res
02/11/2019	00:00			2.000	0.000	2.000	53.110	52.810	51.110	1.700	ES	0.1 Ft	Dep Res
01/22/2019	00:00			7.600	0.000	7.600	53.110	52.810	45.510	7.300	ES	0.1 Ft	Dep Res
12/11/2018	00:00			13.200	0.000	13.200	53.110	52.810	39.910	12.900	ES	0.1 Ft	Dep Res
11/19/2018	00:00			18.600	0.000	18.600	53.110	52.810	34.510	18.300	ES	0.1 Ft	Dep Res
10/18/2018	00:00			14.800	0.000	14.800	53.110	52.810	38.310	14.500	ES	0.1 Ft	Dep Res
09/06/2018	00:00			11.900	0.000	11.900	53.110	52.810	41.210	11.600	ES	0.1 Ft	Dep Res
08/07/2018	00:00			11.300	0.000	11.300	53.110	52.810	41.810	11.000	ES	0.1 Ft	Dep Res
07/18/2018	00:00			10.600	0.000	10.600	53.110	52.810	42.510	10.300	ES	0.1 Ft	Dep Res
06/13/2018	00:00			9.100	0.000	9.100	53.110	52.810	44.010	8.800	ES	0.1 Ft	Dep Res

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
03/13/2018	00:00			5.000	0.000	5.000	53.110	52.810	48.110	4.700	ES	0.1 Ft	Dep Res
10/30/2017	00:00			12.800	0.000	12.800	53.110	52.810	40.310	12.500	ES	0.1 Ft	Dep Res
03/29/2017	00:00			2.700	0.000	2.700	53.110	52.810	50.410	2.400	ES	0.1 Ft	Dep Res
10/26/2016	00:00			20.600	0.000	20.600	53.110	52.810	32.510	20.300	ES	0.1 Ft	Dep Res
03/25/2016	00:00			15.400	0.000	15.400	53.110	52.810	37.710	15.100	ES	0.1 Ft	Dep Res
10/22/2015	00:00			20.600	0.000	20.600	53.110	52.810	32.510	20.300	ES	0.1 Ft	Dep Res
03/26/2015	00:00			15.100	0.000	15.100	53.110	52.810	38.010	14.800	ES	0.1 Ft	Dep Res
10/27/2014	00:00			20.800	0.000	20.800	53.110	52.810	32.310	20.500	ES	0.1 Ft	Dep Res
03/04/2014	00:00	9					53.110	52.810					Dep Res
12/09/2013	00:00	9					53.110	52.810					Dep Res
04/25/2013	00:00			12.900	0.000	12.900	53.110	52.810	40.210	12.600	ES	0.1 Ft	Dep Res
12/05/2012	00:00			2.600	0.000	2.600	53.110	52.810	50.510	2.300	ES	0.1 Ft	Dep Res
05/02/2012	00:00			7.500	0.000	7.500	53.110	52.810	45.610	7.200	ES	0.1 Ft	Dep Res
12/14/2011	00:00			15.500	0.000	15.500	53.110	52.810	37.610	15.200	UNK	Unknown	Dep Res
05/19/2011	00:00			8.200	0.000	8.200	53.110	52.810	44.910	7.900	UNK	Unknown	Dep Res

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
12/08/2010	00:00			8.700	0.000	8.700	53.110	52.810	44.410	8.400	UNK	Unknown	Dep Res
04/21/2010	00:00			4.000	0.000	4.000	53.110	52.810	49.110	3.700	UNK	Unknown	Dep Res
11/16/2009	00:00			16.800	0.000	16.800	53.110	52.810	36.310	16.500	UNK	Unknown	Dep Res
04/16/2009	00:00			9.600	0.000	9.600	53.110	52.810	43.510	9.300	UNK	Unknown	Dep Res
11/24/2008	00:00			16.200	0.000	16.200	53.110	52.810	36.910	15.900	UNK	Unknown	Dep Res
04/29/2008	00:00			10.500	0.000	10.500	53.110	52.810	42.610	10.200	UNK	Unknown	Dep Res

1 2 3 4 5 Page size:

Close

Last edited by: chenj on 12/15/2021 5:54:55 PM

CASGEM Online System

Welcome: Jesse Carlson

Public: Well Details

View Well Data

Identification

Local Well Designation	05S05W29N001M
Is Local Designation the same as State Well #?	Yes
State Well Number	05S05W29N001M
Master Site Code	374651N1224410W001
CASGEM Well Id	7007
Data submittals for this well are under	Voluntary

Reference and Ground Surface

RP Elevation	49.3 ft.
Description	None Provided
GS Elevation	48.8 ft.
Method	Unknown
Accuracy	Unknown
Distance from RP	0.5

Well Use

Well Use	Unknown
Well Status	Active

Well Construction

Geography

Latitude	37.4651 North
Longitude	-122.441 East
	View on Map
Method	Unknown
Accuracy	Unknown
Physical Basin	Non-Alluvial
County	San Mateo

Well Associations

No well associations

Primary Well Org

Notification

Basin/Portion

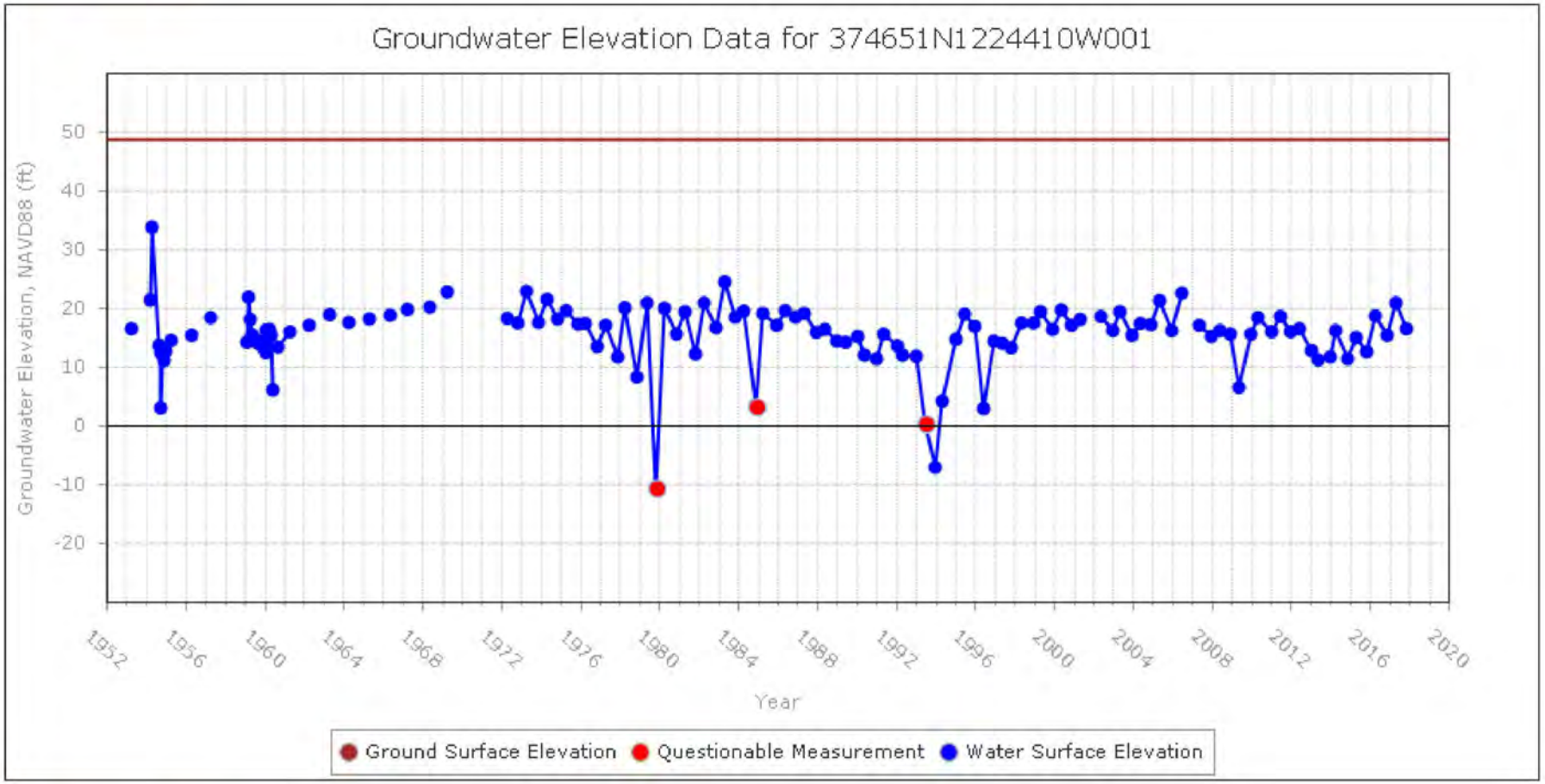
Completion Type	Unknown
Total Depth	Confidential
Do you have well construction data?	Confidential
Well completion report available?	No

Additional Information

Written description of location of well

Any additional comments

View Hydrograph



View Elevation Data

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
04/11/2018	00:00	0					49.300	48.800					Dep Res
03/13/2018	00:00	4					49.300	48.800					Dep Res
10/30/2017	00:00			35.000	2.300	32.700	49.300	48.800	16.600	32.200	ST	0.1 Ft	Dep Res
03/29/2017	00:00			33.000	4.700	28.300	49.300	48.800	21.000	27.800	ST	0.1 Ft	Dep Res
10/25/2016	00:00			37.000	3.200	33.800	49.300	48.800	15.500	33.300	ST	0.1 Ft	Dep Res
03/25/2016	00:00			35.000	4.500	30.500	49.300	48.800	18.800	30.000	ST	0.1 Ft	Dep Res
10/23/2015	00:00			40.000	3.400	36.600	49.300	48.800	12.700	36.100	ST	0.1 Ft	Dep Res
03/27/2015	00:00			38.000	3.800	34.200	49.300	48.800	15.100	33.700	ST	0.1 Ft	Dep Res
10/27/2014	00:00			40.000	2.200	37.800	49.300	48.800	11.500	37.300	ST	0.1 Ft	Dep Res
03/05/2014	00:00			40.000	7.000	33.000	49.300	48.800	16.300	32.500	ST	0.1 Ft	Dep Res
12/09/2013	00:00			41.000	3.500	37.500	49.300	48.800	11.800	37.000	ST	0.1 Ft	Dep Res
04/25/2013	00:00			40.000	2.000	38.000	49.300	48.800	11.300	37.500	ST	0.1 Ft	Dep Res
12/06/2012	00:00			45.000	8.600	36.400	49.300	48.800	12.900	35.900	ST	0.1 Ft	Dep Res
05/02/2012	00:00			55.000	22.300	32.700	49.300	48.800	16.600	32.200	ST	0.1 Ft	Dep Res

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
12/14/2011	00:00			33.200	0.000	33.200	49.300	48.800	16.100	32.700	UNK	Unknown	Dep Res
05/19/2011	00:00			30.600	0.000	30.600	49.300	48.800	18.700	30.100	UNK	Unknown	Dep Res
12/09/2010	00:00			33.200	0.000	33.200	49.300	48.800	16.100	32.700	UNK	Unknown	Dep Res
04/22/2010	00:00			30.800	0.000	30.800	49.300	48.800	18.500	30.300	UNK	Unknown	Dep Res
11/17/2009	00:00			33.600	0.000	33.600	49.300	48.800	15.700	33.100	UNK	Unknown	Dep Res
04/16/2009	00:00			42.700	0.000	42.700	49.300	48.800	6.600	42.200	UNK	Unknown	Dep Res
11/24/2008	00:00			33.600	0.000	33.600	49.300	48.800	15.700	33.100	UNK	Unknown	Dep Res
04/29/2008	00:00			33.000	0.000	33.000	49.300	48.800	16.300	32.500	UNK	Unknown	Dep Res
11/15/2007	00:00			34.000	0.000	34.000	49.300	48.800	15.300	33.500	UNK	Unknown	Dep Res
04/24/2007	00:00			32.100	0.000	32.100	49.300	48.800	17.200	31.600	UNK	Unknown	Dep Res
11/14/2006	00:00	9					49.300	48.800					Dep Res
05/03/2006	00:00			26.600	0.000	26.600	49.300	48.800	22.700	26.100	UNK	Unknown	Dep Res
11/16/2005	00:00			33.000	0.000	33.000	49.300	48.800	16.300	32.500	UNK	Unknown	Dep Res
04/13/2005	00:00			27.900	0.000	27.900	49.300	48.800	21.400	27.400	UNK	Unknown	Dep Res
11/17/2004	00:00			32.000	0.000	32.000	49.300	48.800	17.300	31.500	UNK	Unknown	Dep Res

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
04/07/2004	00:00			31.800	0.000	31.800	49.300	48.800	17.500	31.300	UNK	Unknown	Dep Res
11/04/2003	00:00			33.800	0.000	33.800	49.300	48.800	15.500	33.300	UNK	Unknown	Dep Res
04/16/2003	00:00			29.800	0.000	29.800	49.300	48.800	19.500	29.300	UNK	Unknown	Dep Res
11/19/2002	00:00			33.000	0.000	33.000	49.300	48.800	16.300	32.500	UNK	Unknown	Dep Res
04/09/2002	00:00			30.600	0.000	30.600	49.300	48.800	18.700	30.100	UNK	Unknown	Dep Res
04/26/2001	00:00			31.100	0.000	31.100	49.300	48.800	18.200	30.600	UNK	Unknown	Dep Res
10/31/2000	00:00			32.100	0.000	32.100	49.300	48.800	17.200	31.600	UNK	Unknown	Dep Res
04/27/2000	00:00			29.500	0.000	29.500	49.300	48.800	19.800	29.000	UNK	Unknown	Dep Res
11/02/1999	00:00			32.800	0.000	32.800	49.300	48.800	16.500	32.300	UNK	Unknown	Dep Res
03/11/1999	00:00			29.800	0.000	29.800	49.300	48.800	19.500	29.300	UNK	Unknown	Dep Res
11/17/1998	00:00			31.700	0.000	31.700	49.300	48.800	17.600	31.200	UNK	Unknown	Dep Res
04/16/1998	00:00			31.700	0.000	31.700	49.300	48.800	17.600	31.200	UNK	Unknown	Dep Res
10/23/1997	00:00			35.900	0.000	35.900	49.300	48.800	13.400	35.400	UNK	Unknown	Dep Res
04/10/1997	00:00			35.200	0.000	35.200	49.300	48.800	14.100	34.700	UNK	Unknown	Dep Res
11/13/1996	00:00			34.800	0.000	34.800	49.300	48.800	14.500	34.300	UNK	Unknown	Dep Res

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
05/02/1996	00:00			46.300	0.000	46.300	49.300	48.800	3.000	45.800	UNK	Unknown	Dep Res
12/20/1995	00:00			32.300	0.000	32.300	49.300	48.800	17.000	31.800	UNK	Unknown	Dep Res
05/04/1995	00:00			30.200	0.000	30.200	49.300	48.800	19.100	29.700	UNK	Unknown	Dep Res
12/13/1994	00:00			34.500	0.000	34.500	49.300	48.800	14.800	34.000	UNK	Unknown	Dep Res
04/22/1994	00:00			45.000	0.000	45.000	49.300	48.800	4.300	44.500	UNK	Unknown	Dep Res
11/17/1993	00:00			56.300	0.000	56.300	49.300	48.800	-7.000	55.800	UNK	Unknown	Dep Res

1 2 3 Page size:

Close

Last edited by: DA LOAD on 5/16/2023 11:29:40 AM

CASGEM Online System

Welcome: Jesse Carlson

Public: Well Details

View Well Data

Identification

Local Well Designation	05S05W32K001M
Is Local Designation the same as State Well #?	Yes
State Well Number	05S05W32K001M
Master Site Code	374517N1224295W001
CASGEM Well Id	7008
Data submittals for this well are under	Voluntary

Reference and Ground Surface

RP Elevation	93.01 ft.
Description	None Provided
GS Elevation	92.81 ft.
Method	Unknown
Accuracy	Unknown
Distance from RP	0.20

Well Use

Well Use	Unknown
Well Status	Active

Well Construction

Geography

Latitude	37.4517 North
Longitude	-122.4295 East
	View on Map
Method	Unknown
Accuracy	Unknown
Physical Basin	Non-Alluvial
County	San Mateo

Well Associations

No well associations

Primary Well Org

Notification

Basin/Portion

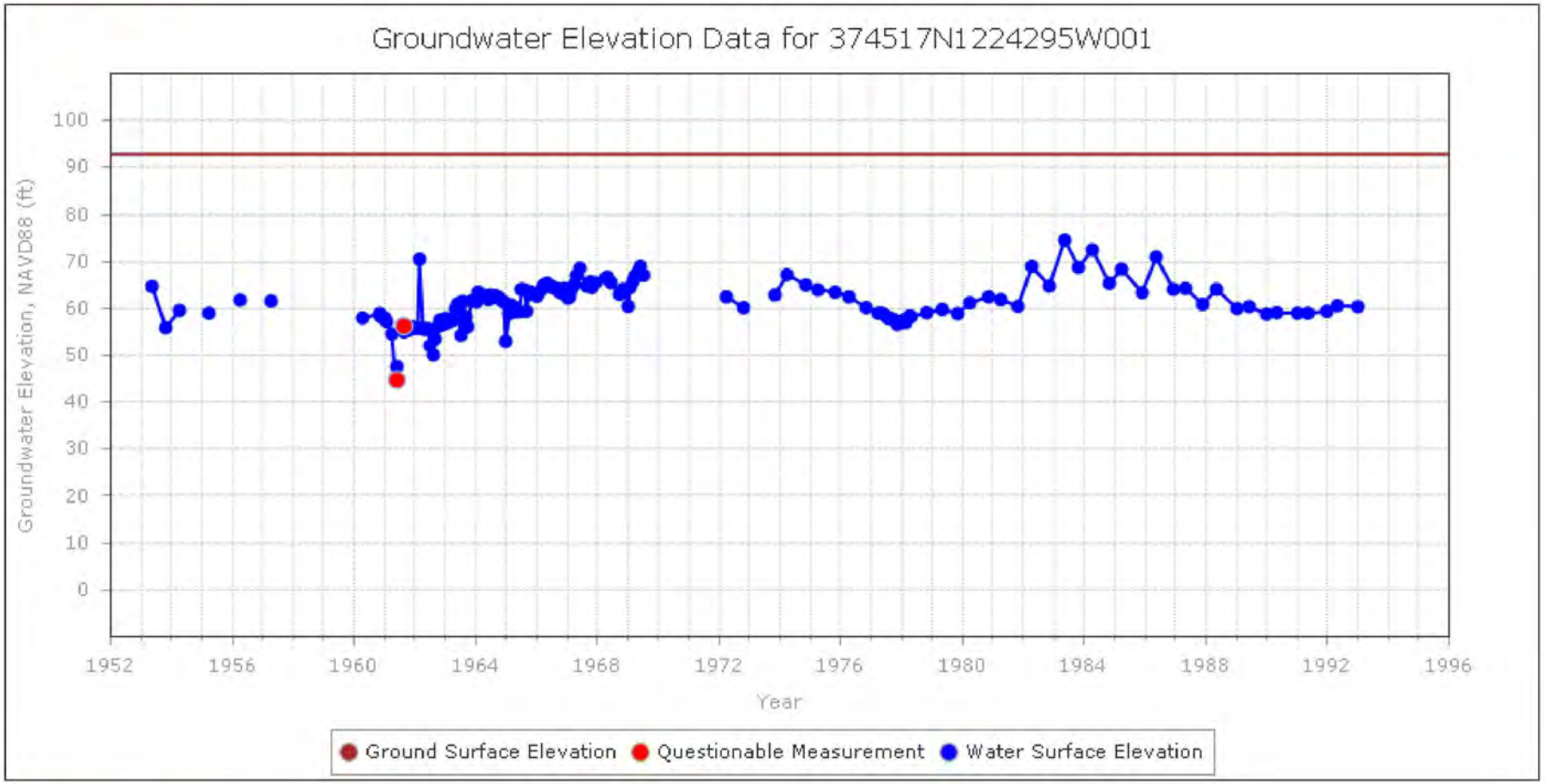
Completion Type	Unknown
Total Depth	Confidential
Do you have well construction data?	Confidential
Well completion report available?	No

Additional Information

Written description of location of well

Any additional comments

View Hydrograph



View Elevation Data

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
11/17/1993	00:00	6					93.010	92.810					Dep Res
05/04/1993	00:00	5					93.010	92.810					Dep Res
12/03/1992	00:00			32.600	0.000	32.600	93.010	92.810	60.410	32.400	UNK	Unknown	Dep Res
04/28/1992	00:00			32.400	0.000	32.400	93.010	92.810	60.610	32.200	UNK	Unknown	Dep Res
12/12/1991	00:00			33.600	0.000	33.600	93.010	92.810	59.410	33.400	UNK	Unknown	Dep Res
04/24/1991	00:00			34.000	0.000	34.000	93.010	92.810	59.010	33.800	UNK	Unknown	Dep Res
12/18/1990	00:00			34.000	0.000	34.000	93.010	92.810	59.010	33.800	UNK	Unknown	Dep Res
04/19/1990	00:00			33.900	0.000	33.900	93.010	92.810	59.110	33.700	UNK	Unknown	Dep Res
12/12/1989	00:00			34.200	0.000	34.200	93.010	92.810	58.810	34.000	UNK	Unknown	Dep Res
05/16/1989	00:00			32.600	0.000	32.600	93.010	92.810	60.410	32.400	UNK	Unknown	Dep Res
12/19/1988	00:00			33.000	0.000	33.000	93.010	92.810	60.010	32.800	UNK	Unknown	Dep Res
04/28/1988	00:00			28.900	0.000	28.900	93.010	92.810	64.110	28.700	UNK	Unknown	Dep Res
11/25/1987	00:00			32.100	0.000	32.100	93.010	92.810	60.910	31.900	UNK	Unknown	Dep Res
04/30/1987	00:00			28.700	0.000	28.700	93.010	92.810	64.310	28.500	UNK	Unknown	Dep Res
11/05/1986	00:00			28.900	0.000	28.900	93.010	92.810	64.110	28.700	UNK	Unknown	Dep Res

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
04/14/1986	00:00			22.000	0.000	22.000	93.010	92.810	71.010	21.800	UNK	Unknown	Dep Res
11/14/1985	00:00			29.600	0.000	29.600	93.010	92.810	63.410	29.400	UNK	Unknown	Dep Res
03/19/1985	00:00			24.600	0.000	24.600	93.010	92.810	68.410	24.400	UNK	Unknown	Dep Res
10/10/1984	00:00			27.600	0.000	27.600	93.010	92.810	65.410	27.400	UNK	Unknown	Dep Res
03/08/1984	00:00			20.500	0.000	20.500	93.010	92.810	72.510	20.300	UNK	Unknown	Dep Res
10/13/1983	00:00			24.200	0.000	24.200	93.010	92.810	68.810	24.000	UNK	Unknown	Dep Res
04/08/1983	00:00			18.400	0.000	18.400	93.010	92.810	74.610	18.200	UNK	Unknown	Dep Res
10/21/1982	00:00			28.200	0.000	28.200	93.010	92.810	64.810	28.000	UNK	Unknown	Dep Res
03/11/1982	00:00			24.000	0.000	24.000	93.010	92.810	69.010	23.800	UNK	Unknown	Dep Res
10/14/1981	00:00			32.500	0.000	32.500	93.010	92.810	60.510	32.300	UNK	Unknown	Dep Res
03/30/1981	00:00			31.100	0.000	31.100	93.010	92.810	61.910	30.900	UNK	Unknown	Dep Res
10/16/1980	00:00			30.500	0.000	30.500	93.010	92.810	62.510	30.300	UNK	Unknown	Dep Res
03/24/1980	00:00			31.800	0.000	31.800	93.010	92.810	61.210	31.600	UNK	Unknown	Dep Res
10/11/1979	00:00			34.100	0.000	34.100	93.010	92.810	58.910	33.900	UNK	Unknown	Dep Res
04/04/1979	00:00			33.200	0.000	33.200	93.010	92.810	59.810	33.000	UNK	Unknown	Dep Res

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
10/13/1978	00:00			33.900	0.000	33.900	93.010	92.810	59.110	33.700	UNK	Unknown	Dep Res
04/27/1978	00:00			34.700	0.000	34.700	93.010	92.810	58.310	34.500	UNK	Unknown	Dep Res
03/22/1978	00:00			34.600	0.000	34.600	93.010	92.810	58.410	34.400	UNK	Unknown	Dep Res
02/22/1978	00:00			36.000	0.000	36.000	93.010	92.810	57.010	35.800	UNK	Unknown	Dep Res
01/24/1978	00:00			35.400	0.000	35.400	93.010	92.810	57.610	35.200	UNK	Unknown	Dep Res
12/28/1977	00:00			35.900	0.000	35.900	93.010	92.810	57.110	35.700	UNK	Unknown	Dep Res
11/30/1977	00:00			35.800	0.000	35.800	93.010	92.810	57.210	35.600	UNK	Unknown	Dep Res
10/25/1977	00:00			36.400	0.000	36.400	93.010	92.810	56.610	36.200	UNK	Unknown	Dep Res
09/28/1977	00:00			35.400	0.000	35.400	93.010	92.810	57.610	35.200	UNK	Unknown	Dep Res
08/25/1977	00:00			35.200	0.000	35.200	93.010	92.810	57.810	35.000	UNK	Unknown	Dep Res
07/27/1977	00:00			35.100	0.000	35.100	93.010	92.810	57.910	34.900	UNK	Unknown	Dep Res
06/27/1977	00:00			34.800	0.000	34.800	93.010	92.810	58.210	34.600	UNK	Unknown	Dep Res
05/25/1977	00:00			34.200	0.000	34.200	93.010	92.810	58.810	34.000	UNK	Unknown	Dep Res
04/27/1977	00:00			34.000	0.000	34.000	93.010	92.810	59.010	33.800	UNK	Unknown	Dep Res
03/28/1977	00:00			34.000	0.000	34.000	93.010	92.810	59.010	33.800	UNK	Unknown	Dep Res

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
03/09/1977	00:00			34.000	0.000	34.000	93.010	92.810	59.010	33.800	UNK	Unknown	Dep Res
10/13/1976	00:00			32.800	0.000	32.800	93.010	92.810	60.210	32.600	UNK	Unknown	Dep Res
03/10/1976	00:00			30.500	0.000	30.500	93.010	92.810	62.510	30.300	UNK	Unknown	Dep Res
10/15/1975	00:00			29.500	0.000	29.500	93.010	92.810	63.510	29.300	UNK	Unknown	Dep Res
03/11/1975	00:00			29.000	0.000	29.000	93.010	92.810	64.010	28.800	UNK	Unknown	Dep Res

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Close

Last edited by: DA LOAD on 5/16/2023 11:29:40 AM

CASGEM Online System

Welcome: Jesse Carlson

Public: Well Details

View Well Data

Identification

Local Well Designation	05S06W10J001M
Is Local Designation the same as State Well #?	Yes
State Well Number	05S06W10J001M
Master Site Code	375103N1224996W001
CASGEM Well Id	7009
Data submittals for this well are under	Voluntary

Reference and Ground Surface

RP Elevation	37.77 ft.
Description	None Provided
GS Elevation	37.77 ft.
Method	Unknown
Accuracy	Unknown
Distance from RP	0.00

Well Use

Well Use	Irrigation
Well Status	Inactive

Well Construction

Geography

Latitude	37.5103 North
Longitude	-122.4996 East
	View on Map
Method	Unknown
Accuracy	Unknown
Physical Basin	Non-Alluvial
County	San Mateo

Well Associations

No well associations

Primary Well Org

Notification

Basin/Portion

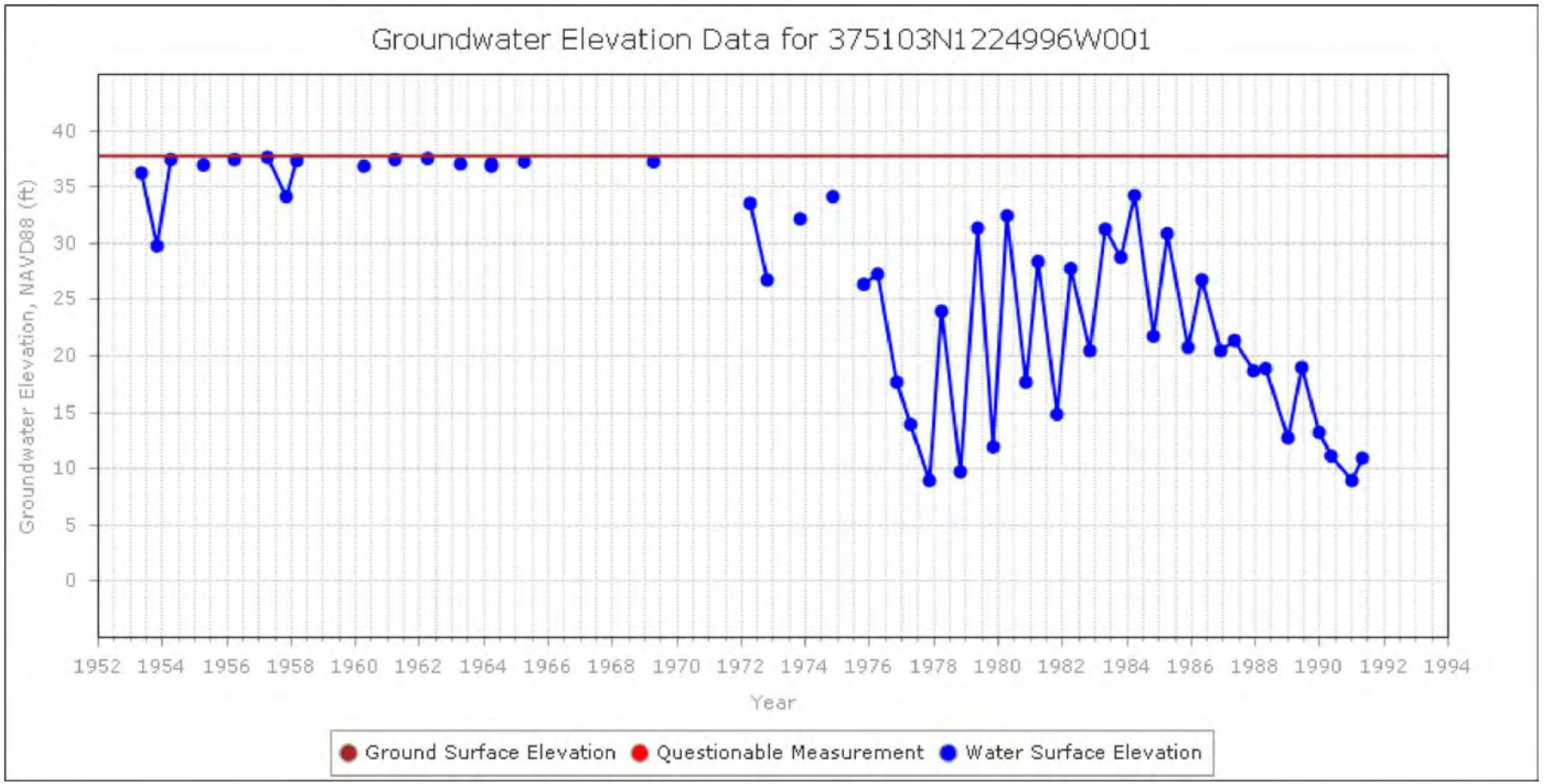
Completion Type	Single Well
Total Depth	Confidential
Do you have well construction data?	Confidential
Well completion report available?	No

Additional Information

Written description of location of well

Any additional comments

View Hydrograph



View Elevation Data

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
04/28/1992	00:00	6					37.770	37.770					Dep Res
12/12/1991	00:00	D					37.770	37.770					Dep Res
04/24/1991	00:00			26.800	0.000	26.800	37.770	37.770	10.970	26.800	UNK	Unknown	Dep Res
12/18/1990	00:00			28.800	0.000	28.800	37.770	37.770	8.970	28.800	UNK	Unknown	Dep Res
04/19/1990	00:00			26.600	0.000	26.600	37.770	37.770	11.170	26.600	UNK	Unknown	Dep Res
12/12/1989	00:00			24.500	0.000	24.500	37.770	37.770	13.270	24.500	UNK	Unknown	Dep Res
05/16/1989	00:00			18.800	0.000	18.800	37.770	37.770	18.970	18.800	UNK	Unknown	Dep Res
12/19/1988	00:00			25.000	0.000	25.000	37.770	37.770	12.770	25.000	UNK	Unknown	Dep Res
04/28/1988	00:00			18.900	0.000	18.900	37.770	37.770	18.870	18.900	UNK	Unknown	Dep Res
11/25/1987	00:00			19.100	0.000	19.100	37.770	37.770	18.670	19.100	UNK	Unknown	Dep Res
04/30/1987	00:00			16.400	0.000	16.400	37.770	37.770	21.370	16.400	UNK	Unknown	Dep Res
11/05/1986	00:00			17.300	0.000	17.300	37.770	37.770	20.470	17.300	UNK	Unknown	Dep Res
04/14/1986	00:00			11.000	0.000	11.000	37.770	37.770	26.770	11.000	UNK	Unknown	Dep Res
11/14/1985	00:00			17.000	0.000	17.000	37.770	37.770	20.770	17.000	UNK	Unknown	Dep Res
03/19/1985	00:00			6.900	0.000	6.900	37.770	37.770	30.870	6.900	UNK	Unknown	Dep Res

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
10/10/1984	00:00			16.000	0.000	16.000	37.770	37.770	21.770	16.000	UNK	Unknown	Dep Res
03/08/1984	00:00			3.500	0.000	3.500	37.770	37.770	34.270	3.500	UNK	Unknown	Dep Res
10/13/1983	00:00			9.000	0.000	9.000	37.770	37.770	28.770	9.000	UNK	Unknown	Dep Res
04/08/1983	00:00			6.500	0.000	6.500	37.770	37.770	31.270	6.500	UNK	Unknown	Dep Res
10/21/1982	00:00			17.300	0.000	17.300	37.770	37.770	20.470	17.300	UNK	Unknown	Dep Res
03/11/1982	00:00			10.000	0.000	10.000	37.770	37.770	27.770	10.000	UNK	Unknown	Dep Res
10/14/1981	00:00			22.900	0.000	22.900	37.770	37.770	14.870	22.900	UNK	Unknown	Dep Res
03/30/1981	00:00			9.400	0.000	9.400	37.770	37.770	28.370	9.400	UNK	Unknown	Dep Res
10/16/1980	00:00			20.100	0.000	20.100	37.770	37.770	17.670	20.100	UNK	Unknown	Dep Res
03/24/1980	00:00			5.300	0.000	5.300	37.770	37.770	32.470	5.300	UNK	Unknown	Dep Res
10/11/1979	00:00			25.800	0.000	25.800	37.770	37.770	11.970	25.800	UNK	Unknown	Dep Res
04/04/1979	00:00			6.400	0.000	6.400	37.770	37.770	31.370	6.400	UNK	Unknown	Dep Res
10/13/1978	00:00			28.000	0.000	28.000	37.770	37.770	9.770	28.000	UNK	Unknown	Dep Res
03/22/1978	00:00			13.800	0.000	13.800	37.770	37.770	23.970	13.800	UNK	Unknown	Dep Res
10/15/1977	00:00			28.800	0.000	28.800	37.770	37.770	8.970	28.800	UNK	Unknown	Dep Res

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
03/09/1977	00:00			23.800	0.000	23.800	37.770	37.770	13.970	23.800	UNK	Unknown	Dep Res
10/13/1976	00:00			20.100	0.000	20.100	37.770	37.770	17.670	20.100	UNK	Unknown	Dep Res
03/10/1976	00:00			10.500	0.000	10.500	37.770	37.770	27.270	10.500	UNK	Unknown	Dep Res
10/15/1975	00:00			11.400	0.000	11.400	37.770	37.770	26.370	11.400	UNK	Unknown	Dep Res
03/11/1975	00:00	F					37.770	37.770					Dep Res
10/10/1974	00:00			3.600	0.000	3.600	37.770	37.770	34.170	3.600	UNK	Unknown	Dep Res
03/20/1974	00:00	F					37.770	37.770					Dep Res
10/10/1973	00:00			5.600	0.000	5.600	37.770	37.770	32.170	5.600	UNK	Unknown	Dep Res
03/23/1973	00:00	9					37.770	37.770					Dep Res
10/16/1972	00:00			11.000	0.000	11.000	37.770	37.770	26.770	11.000	UNK	Unknown	Dep Res
03/14/1972	00:00			4.200	0.000	4.200	37.770	37.770	33.570	4.200	UNK	Unknown	Dep Res
03/17/1969	00:00			0.500	0.000	0.500	37.770	37.770	37.270	0.500	UNK	Unknown	Dep Res
04/08/1968	00:00	F					37.770	37.770					Dep Res
03/21/1967	00:00	F					37.770	37.770					Dep Res
04/15/1966	00:00	F					37.770	37.770					Dep Res

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
03/17/1965	00:00			0.500	0.000	0.500	37.770	37.770	37.270	0.500	UNK	Unknown	Dep Res
03/24/1964	00:00			0.700	0.000	0.700	37.770	37.770	37.070	0.700	UNK	Unknown	Dep Res
03/19/1964	00:00			0.900	0.000	0.900	37.770	37.770	36.870	0.900	UNK	Unknown	Dep Res
03/18/1963	00:00			0.700	0.000	0.700	37.770	37.770	37.070	0.700	UNK	Unknown	Dep Res
03/22/1962	00:00			0.200	0.000	0.200	37.770	37.770	37.570	0.200	UNK	Unknown	Dep Res

1 2 Page size:

Close

Last edited by: erin.smith@water.ca.gov on 12/15/2021 5:54:54 PM

CASGEM Online System

Welcome: Jesse Carlson

Public: Well Details

View Well Data

Identification

Local Well Designation	Frenchmans Creek W1
Is Local Designation the same as State Well #?	No
State Well Number	05S05W20E001M
Master Site Code	374845N1224391W001
CASGEM Well Id	40008
Data submittals for this well are under	Voluntary

Reference and Ground Surface

RP Elevation	90.495 ft.
Description	The RP is the top of the PVC casing.
GS Elevation	89.491 ft.
Method	Surveyed
Accuracy	0.1 ft.
Distance from RP	1.004

Well Use

Well Use	Irrigation
Well Status	Active

Well Construction

Geography

Latitude	37.4845 North
Longitude	-122.4391 East
	View on Map
Method	Unknown
Accuracy	Unknown
Physical Basin	2-022 Half Moon Bay Terrace
County	San Mateo

Well Associations

Organization
Coastside County Water District

Please contact your local regional office to dissociate your organization from a CASGEM well.

Primary Well Org	Coastside County Water District
Notification Basin/Portion	2-022 - Half Moon Bay Terrace (Whole Basin) /Coastside County Water District

Completion Type	Single Well
Total Depth	Confidential
Do you have well construction data?	Confidential
Well completion report available?	Yes
Well Completion Report #	107505

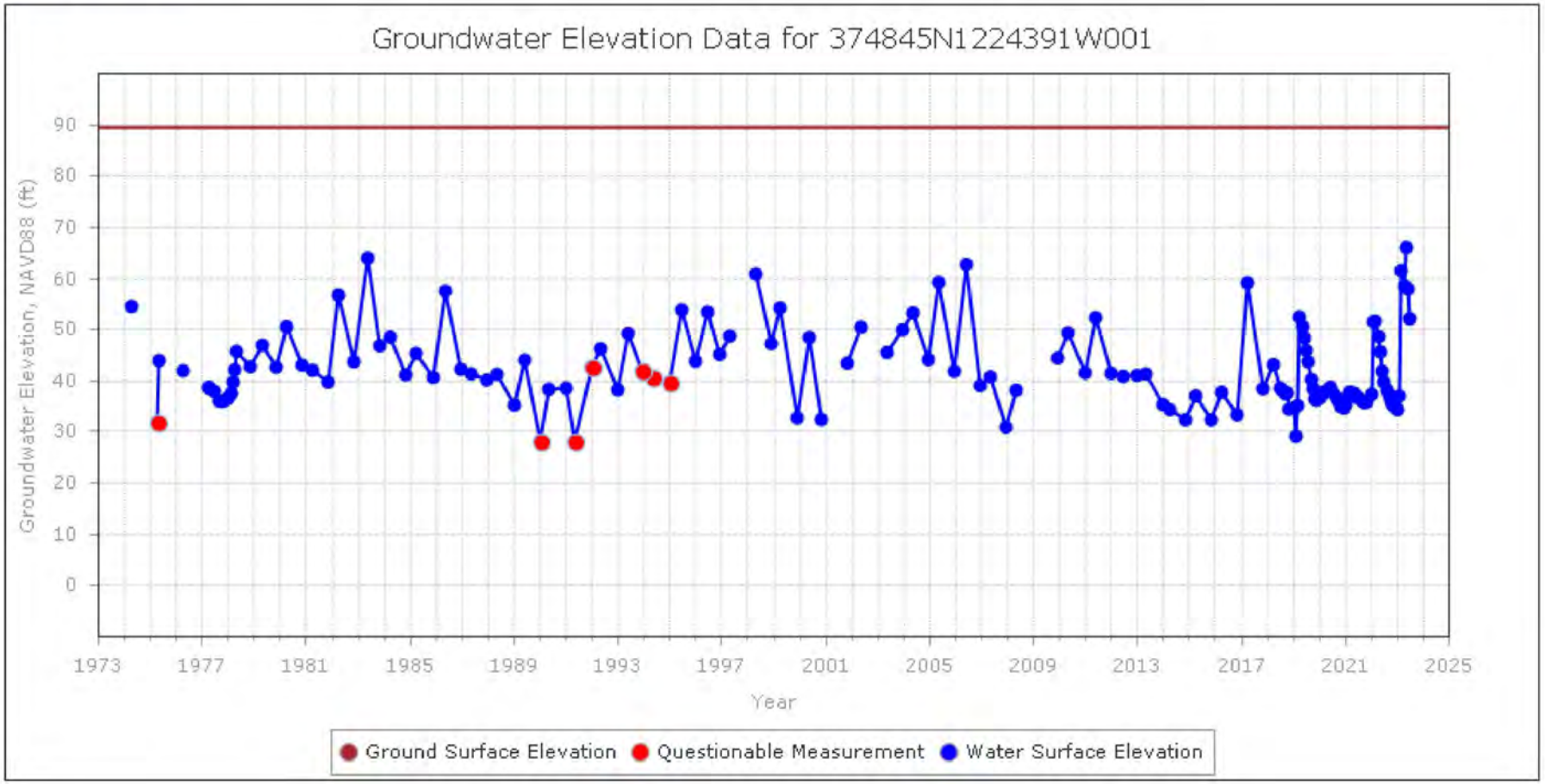
Additional Information

Written description of location of well

South of Frenchmans Creek on Frenchmans Creek Road

Any additional comments

View Hydrograph



View Elevation Data

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
06/02/2023	00:00			38.300	0.000	38.300	90.495	89.491	52.195	37.296	ES	0.1 Ft	Dep Res
05/04/2023	00:00			32.480	0.000	32.480	90.495	89.491	58.015	31.476	ES	0.1 Ft	Dep Res
04/25/2023	00:00	7					90.495	89.491					Dep Res
04/05/2023	00:00			27.720	0.000	27.720	93.810	92.810	66.090	26.720	ES	0.1 Ft	Dep Res
03/07/2023	00:00			35.270	0.000	35.270	93.810	92.810	58.540	34.270	ES	0.1 Ft	Dep Res
02/07/2023	00:00			32.230	0.000	32.230	93.810	92.810	61.580	31.230	ES	0.1 Ft	Dep Res
01/03/2023	00:00			56.710	0.000	56.710	93.810	92.810	37.100	55.710	ES	0.1 Ft	Dep Res
12/01/2022	00:00			59.400	0.000	59.400	93.810	92.810	34.410	58.400	ES	0.1 Ft	Dep Res
11/03/2022	00:00			59.000	0.000	59.000	93.810	92.810	34.810	58.000	ES	0.1 Ft	Dep Res
10/06/2022	00:00			58.540	0.000	58.540	93.810	92.810	35.270	57.540	ES	0.1 Ft	Dep Res
09/07/2022	00:00			57.700	0.000	57.700	93.810	92.810	36.110	56.700	ES	0.1 Ft	Dep Res
08/03/2022	00:00			56.500	0.000	56.500	93.810	92.810	37.310	55.500	ES	0.1 Ft	Dep Res
07/19/2022	00:00			55.600	0.000	55.600	93.810	92.810	38.210	54.600	ES	0.1 Ft	Dep Res
06/16/2022	00:00			54.000	0.000	54.000	93.810	92.810	39.810	53.000	ES	0.1 Ft	Dep Res

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
05/10/2022	00:00			51.900	0.000	51.900	93.810	92.810	41.910	50.900	ES	0.1 Ft	Dep Res
04/05/2022	00:00			48.100	0.000	48.100	93.810	92.810	45.710	47.100	ES	0.1 Ft	Dep Res
03/01/2022	00:00			45.100	0.000	45.100	93.810	92.810	48.710	44.100	ES	0.1 Ft	Dep Res
02/10/2022	00:00			42.100	0.000	42.100	93.810	92.810	51.710	41.100	ES	0.1 Ft	Dep Res
01/06/2022	00:00			42.200	0.000	42.200	93.810	92.810	51.610	41.200	ES	0.1 Ft	Dep Res
12/06/2021	00:00			56.400	0.000	56.400	93.810	92.810	37.410	55.400	ES	0.1 Ft	Dep Res
10/04/2021	00:00			57.900	0.000	57.900	93.810	92.810	35.910	56.900	ES	0.1 Ft	Dep Res
09/07/2021	00:00			58.000	0.000	58.000	93.810	92.810	35.810	57.000	ES	0.1 Ft	Dep Res
08/03/2021	00:00			57.900	0.000	57.900	93.810	92.810	35.910	56.900	ES	0.1 Ft	Dep Res
07/01/2021	00:00			57.500	0.000	57.500	93.810	92.810	36.310	56.500	ES	0.1 Ft	Dep Res
06/02/2021	00:00			57.000	0.000	57.000	93.810	92.810	36.810	56.000	ES	0.1 Ft	Dep Res
05/06/2021	00:00			56.900	0.000	56.900	93.810	92.810	36.910	55.900	ES	0.1 Ft	Dep Res
04/13/2021	00:00			58.000	1.700	56.300	93.810	92.810	37.510	55.300	ES	0.1 Ft	Dep Res
03/03/2021	00:00			57.000	0.900	56.100	93.810	92.810	37.710	55.100	ST	0.1 Ft	Dep Res
02/02/2021	00:00			57.000	1.000	56.000	93.810	92.810	37.810	55.000	ST	0.1 Ft	Dep Res

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
01/25/2021	00:00			60.000	3.000	57.000	93.810	92.810	36.810	56.000	ST	0.1 Ft	Dep Res
12/10/2020	00:00			58.400	0.000	58.400	93.810	92.810	35.410	57.400	ES	0.1 Ft	Dep Res
11/13/2020	00:00			59.100	0.000	59.100	93.810	92.810	34.710	58.100	ES	0.1 Ft	Dep Res
10/13/2020	00:00			58.800	0.000	58.800	93.810	92.810	35.010	57.800	ES	0.1 Ft	Dep Res
09/17/2020	00:00			57.400	0.000	57.400	93.810	92.810	36.410	56.400	ES	0.1 Ft	Dep Res
08/19/2020	00:00			57.400	0.000	57.400	93.810	92.810	36.410	56.400	ES	0.1 Ft	Dep Res
07/09/2020	00:00			56.300	0.000	56.300	93.810	92.810	37.510	55.300	ES	0.1 Ft	Dep Res
05/13/2020	00:00			55.000	0.000	55.000	93.810	92.810	38.810	54.000	ES	0.1 Ft	Dep Res
04/20/2020	00:00	7					93.810	92.810					Dep Res
03/20/2020	00:00	7					93.810	92.810					Dep Res
02/10/2020	00:00			55.900	0.000	55.900	93.810	92.810	37.910	54.900	ES	0.1 Ft	Dep Res
01/13/2020	00:00			56.500	0.000	56.500	93.810	92.810	37.310	55.500	ES	0.1 Ft	Dep Res
12/19/2019	00:00			57.100	0.000	57.100	93.810	92.810	36.710	56.100	ES	0.1 Ft	Dep Res
11/21/2019	00:00			57.500	0.000	57.500	93.810	92.810	36.310	56.500	ES	0.1 Ft	Dep Res
10/17/2019	00:00			57.300	0.000	57.300	93.810	92.810	36.510	56.300	ES	0.1 Ft	Dep Res

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
09/09/2019	00:00			55.300	0.000	55.300	93.810	92.810	38.510	54.300	ES	0.1 Ft	Dep Res
08/12/2019	00:00			53.500	0.000	53.500	93.810	92.810	40.310	52.500	ES	0.1 Ft	Dep Res
07/10/2019	00:00			50.000	0.000	50.000	93.810	92.810	43.810	49.000	ES	0.1 Ft	Dep Res
06/18/2019	00:00			47.800	0.000	47.800	93.810	92.810	46.010	46.800	ES	0.1 Ft	Dep Res
05/24/2019	00:00			45.400	0.000	45.400	93.810	92.810	48.410	44.400	ES	0.1 Ft	Dep Res
04/29/2019	00:00			43.200	0.000	43.200	93.810	92.810	50.610	42.200	ES	0.1 Ft	Dep Res

1 2 3 4 Page size:

Close

Last edited by: esmith@water.ca.gov on 7/7/2023 3:40:51 PM

CASGEM Online System

Welcome: Jesse Carlson

Public: Well Details

View Well Data

Identification

Local Well Designation	Pilarcitos Creek W1
Is Local Designation the same as State Well #?	No
State Well Number	05S05W29P001M
Master Site Code	374643N1224317W001
CASGEM Well Id	40046
Data submittals for this well are under	CASGEM

Reference and Ground Surface

RP Elevation	66.284 ft.
Description	The RP is the edge of the access hole on the well cap. It is partially under a PVC pipe.
GS Elevation	65.073 ft.
Method	Surveyed
Accuracy	0.1 ft.
Distance from RP	1.211

Well Use

Well Use	Irrigation
Well Status	Active

Geography

Latitude	37.4643 North
Longitude	-122.4317 East
	View on Map
Method	Unknown
Accuracy	Unknown
Physical Basin	2-022 Half Moon Bay Terrace
County	San Mateo

Well Associations

Organization
Coastside County Water District

Please contact your local regional office to dissociate your organization from a CASGEM well.

Primary Well Org	Coastside County Water District
Notification Basin/Portion	2-022 - Half Moon Bay Terrace (Whole Basin) /Coastside County Water District

Well Construction

Completion Type	Single Well
Total Depth	84 ft.
Do you have well construction data?	No
Well completion report available?	Yes
Well Completion Report #	20202

Additional Information

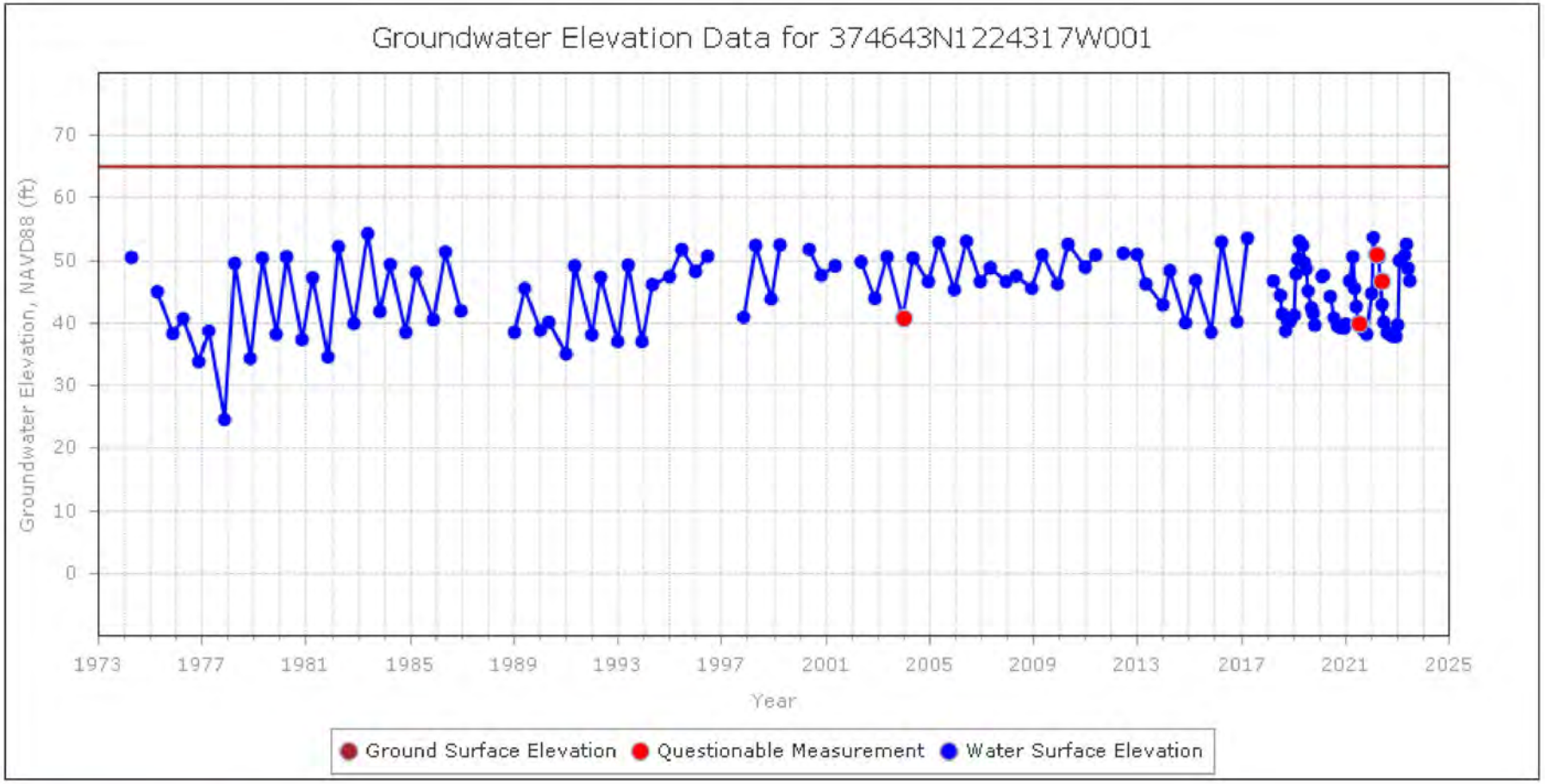
Written description of location of well

Kelly Street and Church Street Area

Any additional comments

Coastside County Water District received permission from property owner to include well into CASGEM Program. 1/5/2015

View Hydrograph



View Elevation Data

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
06/02/2023	00:00			19.450	0.000	19.450	66.284	65.073	46.834	18.239	ES	0.1 Ft	Dep Res
05/04/2023	00:00			17.510	0.000	17.510	66.284	65.073	48.774	16.299	ES	0.1 Ft	Dep Res

1 2 3 Page size: 50

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
04/25/2023	00:00	7					66.284	65.073					Dep Res
04/05/2023	00:00			16.000	0.000	16.000	68.610	67.810	52.610	15.200	ES	0.1 Ft	Dep Res
03/07/2023	00:00			17.730	0.000	17.730	68.610	67.810	50.880	16.930	ES	0.1 Ft	Dep Res
02/22/2023	00:00			18.700	0.000	18.700	68.610	67.810	49.910	17.900	ES	0.1 Ft	Dep Res
01/03/2023	00:00			18.570	0.000	18.570	68.610	67.810	50.040	17.770	ES	0.1 Ft	Dep Res
12/01/2022	00:00			28.870	0.000	28.870	68.610	67.810	39.740	28.070	ES	0.1 Ft	Dep Res
11/03/2022	00:00			30.690	0.000	30.690	68.610	67.810	37.920	29.890	ES	0.1 Ft	Dep Res
10/06/2022	00:00			30.620	0.000	30.620	68.610	67.810	37.990	29.820	ES	0.1 Ft	Dep Res
09/07/2022	00:00			30.400	0.000	30.400	68.610	67.810	38.210	29.600	ES	0.1 Ft	Dep Res
08/03/2022	00:00			30.200	0.000	30.200	68.610	67.810	38.410	29.400	ES	0.1 Ft	Dep Res
07/19/2022	00:00			30.100	0.000	30.100	68.610	67.810	38.510	29.300	ES	0.1 Ft	Dep Res
06/16/2022	00:00			28.400	0.000	28.400	68.610	67.810	40.210	27.600	ES	0.1 Ft	Dep Res
05/10/2022	00:00			25.600	0.000	25.600	68.610	67.810	43.010	24.800	ES	0.1 Ft	Dep Res
04/05/2022	00:00		1	21.600	0.000	21.600	68.610	67.810	47.010	20.800	ES	0.1 Ft	Dep Res
03/01/2022	00:00			18.100	0.000	18.100	68.610	67.810	50.510	17.300	ES	0.1 Ft	Dep Res

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
02/10/2022	00:00		1	17.400	0.000	17.400	68.610	67.810	51.210	16.600	ES	0.1 Ft	Dep Res
01/06/2022	00:00			14.900	0.000	14.900	68.610	67.810	53.710	14.100	ES	0.1 Ft	Dep Res
12/09/2021	00:00			23.800	0.000	23.800	68.610	67.810	44.810	23.000	ES	0.1 Ft	Dep Res
10/04/2021	00:00			30.300	0.000	30.300	68.610	67.810	38.310	29.500	ES	0.1 Ft	Dep Res
09/07/2021	00:00	2					68.610	67.810					Dep Res
08/03/2021	00:00			29.700	0.000	29.700	68.610	67.810	38.910	28.900	ES	0.1 Ft	Dep Res
07/01/2021	00:00			29.000	0.000	29.000	68.610	67.810	39.610	28.200	ES	0.1 Ft	Dep Res
06/02/2021	00:00		4	28.400	0.000	28.400	68.610	67.810	40.210	27.600	ES	0.1 Ft	Dep Res
05/06/2021	00:00			25.900	0.000	25.900	68.610	67.810	42.710	25.100	ES	0.1 Ft	Dep Res
04/13/2021	00:00			24.000	1.000	23.000	68.610	67.810	45.610	22.200	ES	0.1 Ft	Dep Res
03/03/2021	00:00			26.000	8.000	18.000	68.610	67.810	50.610	17.200	ST	0.1 Ft	Dep Res
02/02/2021	00:00			22.000	0.200	21.800	68.610	67.810	46.810	21.000	ST	0.1 Ft	Dep Res
01/25/2021	00:00	1					68.610	67.810					Dep Res
12/10/2020	00:00			28.700	0.000	28.700	68.610	67.810	39.910	27.900	ES	0.1 Ft	Dep Res
11/13/2020	00:00			29.400	0.000	29.400	68.610	67.810	39.210	28.600	ES	0.1 Ft	Dep Res

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
10/13/2020	00:00			29.300	0.000	29.300	68.610	67.810	39.310	28.500	ES	0.1 Ft	Dep Res
09/17/2020	00:00			29.100	0.000	29.100	68.610	67.810	39.510	28.300	ES	0.1 Ft	Dep Res
08/19/2020	00:00			29.000	0.000	29.000	68.610	67.810	39.610	28.200	ES	0.1 Ft	Dep Res
07/09/2020	00:00			27.700	0.000	27.700	68.610	67.810	40.910	26.900	ES	0.1 Ft	Dep Res
05/13/2020	00:00			24.300	0.000	24.300	68.610	67.810	44.310	23.500	ES	0.1 Ft	Dep Res
04/20/2020	00:00	7					68.610	67.810					Dep Res
03/20/2020	00:00	7					68.610	67.810					Dep Res
02/10/2020	00:00			20.900	0.000	20.900	68.610	67.810	47.710	20.100	ES	0.1 Ft	Dep Res
01/13/2020	00:00			21.100	0.000	21.100	68.610	67.810	47.510	20.300	ES	0.1 Ft	Dep Res
12/19/2019	00:00	9					68.610	67.810					Dep Res
11/21/2019	00:00	9					68.610	67.810					Dep Res
10/17/2019	00:00			28.900	0.000	28.900	68.610	67.810	39.710	28.100	ES	0.1 Ft	Dep Res
09/09/2019	00:00			27.000	0.000	27.000	68.610	67.810	41.610	26.200	ES	0.1 Ft	Dep Res
08/12/2019	00:00			26.100	0.000	26.100	68.610	67.810	42.510	25.300	ES	0.1 Ft	Dep Res
07/10/2019	00:00			23.400	0.000	23.400	68.610	67.810	45.210	22.600	ES	0.1 Ft	Dep Res

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
06/18/2019	00:00			19.900	0.000	19.900	68.610	67.810	48.710	19.100	ES	0.1 Ft	Dep Res
05/24/2019	00:00			18.900	0.000	18.900	68.610	67.810	49.710	18.100	ES	0.1 Ft	Dep Res
04/29/2019	00:00			16.200	0.000	16.200	68.610	67.810	52.410	15.400	ES	0.1 Ft	Dep Res

1 2 3 Page size:

Close

Last edited by: cbrennan@coastsidewater.org on 7/7/2023 3:40:51 PM

CASGEM Online System

Welcome: Jesse Carlson

Public: Well Details

View Well Data

Identification

Local Well Designation	Well Number 6
Is Local Designation the same as State Well #?	No
State Well Number	05S06W11F003M
Master Site Code	373052N1222921W001
CASGEM Well Id	46280
Data submittals for this well are under	CASGEM

Reference and Ground Surface

RP Elevation	67.67 ft.
Description	Top of Casing
GS Elevation	66.53 ft.
Method	Surveyed to a benchmark
Accuracy	Unknown
Distance from RP	1.14

Well Use

Well Use	Observation
Well Status	Active

Well Construction

Geography

Latitude	37.514444 North
Longitude	-122.489166 East
	View on Map
Method	Surveyed
Accuracy	Unknown
Physical Basin	2-022 Half Moon Bay Terrace
County	San Mateo

Well Associations

Organization
Coastside County Water District

Please contact your local regional office to dissociate your organization from a CASGEM well.

Primary Well Org	Coastside County Water District
Notification Basin/Portion	2-022 - Half Moon Bay Terrace (Whole Basin) /Coastside County Water District

Completion Type Single Well

Total Depth 103 ft.

Do you have well construction data? Yes

Depth of screened interval(s)

	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
Top	30	44	74							
Bottom	35	54	84							

Well completion report available? Yes

Well Completion Report # 111708

Additional Information

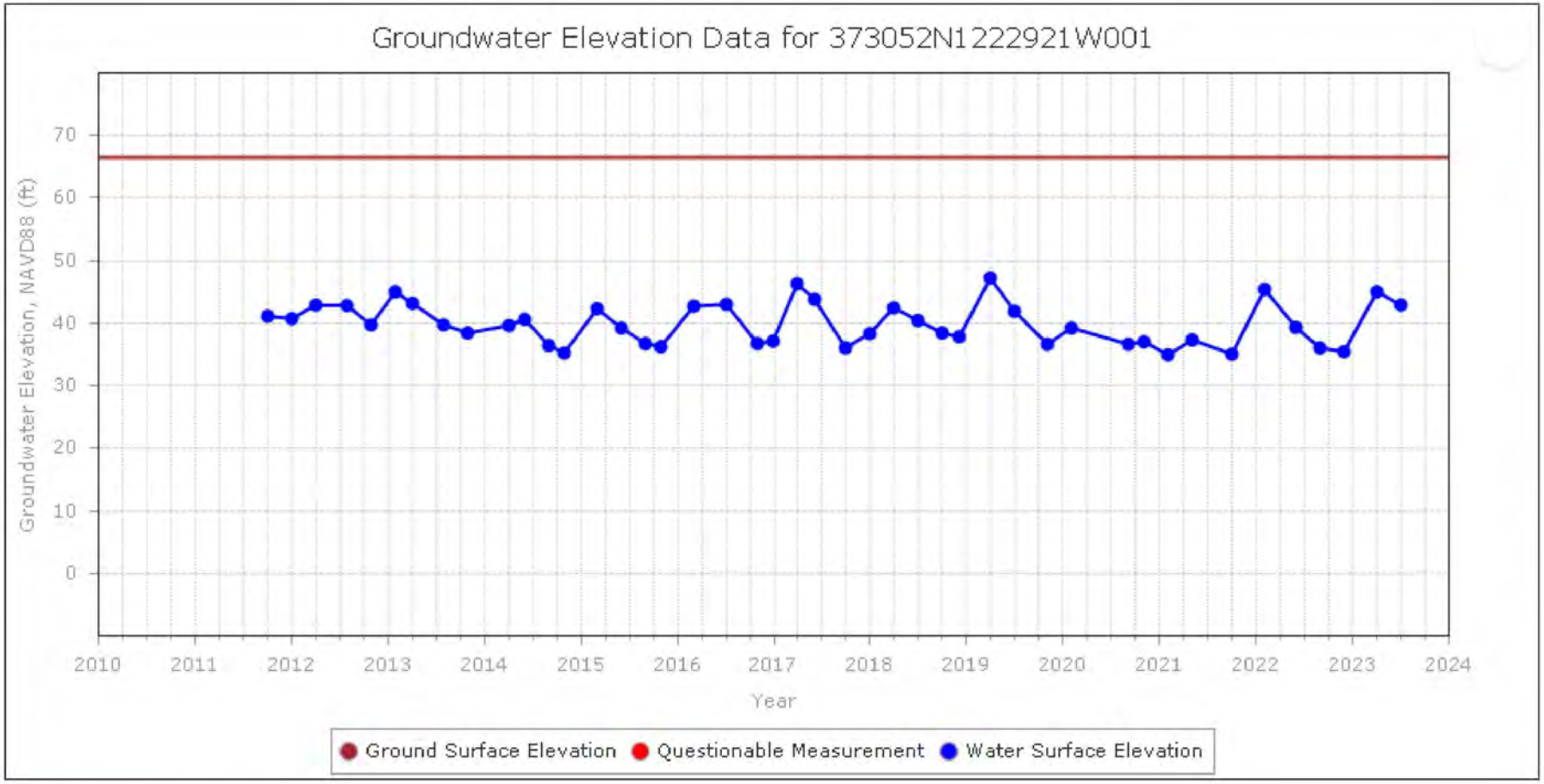
Written description of location of well

In unincorporated San Mateo County - El Granada - Northeast of HWY 1 and West of Denniston Creek

Any additional comments

Access Denniston Creek Road off of Highway 1

View Hydrograph



View Elevation Data

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
06/14/2023	01:10			24.700	0.000	24.700	67.670	66.530	42.970	23.560	ES	0.1 Ft	Coa Wa
03/09/2023	13:09			22.600	0.000	22.600	67.670	66.530	45.070	21.460	ES	0.1 Ft	Coa Wa

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Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
11/16/2022	13:30			32.200	0.000	32.200	67.670	66.530	35.470	31.060	ES	0.1 Ft	Coa Wa
08/15/2022	12:00			31.600	0.000	31.600	67.670	66.530	36.070	30.460	ES	0.1 Ft	Coa Wa
05/10/2022	13:30			28.300	0.000	28.300	67.670	66.530	39.370	27.160	ES	0.1 Ft	Coa Wa
01/24/2022	10:30			22.200	0.000	22.200	67.670	66.530	45.470	21.060	ES	0.1 Ft	Coa Wa
09/17/2021	09:20			32.600	0.000	32.600	67.670	66.530	35.070	31.460	ES	0.1 Ft	Coa Wa
04/20/2021	12:35			30.300	0.000	30.300	67.670	66.530	37.370	29.160	ES	0.1 Ft	Coa Wa
01/21/2021	13:30			32.700	0.000	32.700	67.670	66.530	34.970	31.560	ES	0.1 Ft	Coa Wa
10/06/2020	10:21			30.600	0.000	30.600	67.670	66.530	37.070	29.460	ES	0.1 Ft	Coa Wa
08/26/2020	08:30			31.000	0.000	31.000	67.670	66.530	36.670	29.860	ES	0.1 Ft	Coa Wa
01/27/2020	11:08			28.400	0.000	28.400	67.670	66.530	39.270	27.260	ES	0.1 Ft	Coa Wa
10/04/2019	14:00			31.000	0.000	31.000	67.670	66.530	36.670	29.860	ES	0.1 Ft	Coa Wa
06/27/2019	09:11			25.700	0.000	25.700	67.670	66.530	41.970	24.560	ES	0.1 Ft	Coa Wa
03/14/2019	09:03			20.400	0.000	20.400	67.670	66.530	47.270	19.260	ES	0.1 Ft	Coa Wa
11/26/2018	11:30			29.800	0.000	29.800	67.670	66.530	37.870	28.660	ES	0.1 Ft	Coa Wa
09/18/2018	08:19			29.200	0.000	29.200	67.670	66.530	38.470	28.060	ES	0.1 Ft	Coa Wa

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
06/21/2018	08:26			27.200	0.000	27.200	67.670	66.530	40.470	26.060	ES	0.1 Ft	Coa Wa
03/23/2018	11:03			25.160	0.000	25.160	67.670	66.530	42.510	24.020	ES	0.1 Ft	Coa Wa
12/28/2017	14:12			29.300	0.000	29.300	67.670	66.530	38.370	28.160	ES	0.1 Ft	Coa Wa
09/05/2017	08:53			31.580	0.000	31.580	67.670	66.530	36.090	30.440	ES	0.1 Ft	Coa Wa
05/31/2017	10:45			23.800	0.000	23.800	67.670	66.530	43.870	22.660	ES	0.1 Ft	Coa Wa
03/16/2017	11:05			21.300	0.000	21.300	67.670	66.530	46.370	20.160	ES	0.1 Ft	Coa Wa
12/05/2016	13:00			30.500	0.000	30.500	67.670	66.530	37.170	29.360	ES	0.1 Ft	Coa Wa
10/27/2016	11:55			30.900	0.000	30.900	67.670	66.530	36.770	29.760	ES	0.1 Ft	Coa Wa
06/07/2016	09:20			24.600	0.000	24.600	67.670	66.530	43.070	23.460	ES	0.1 Ft	Coa Wa
02/17/2016	14:31			24.900	0.000	24.900	67.670	66.530	42.770	23.760	ES	0.1 Ft	Coa Wa
10/14/2015	13:10			31.400	0.000	31.400	67.670	66.530	36.270	30.260	ES	0.1 Ft	Coa Wa
08/21/2015	13:30			30.900	0.000	30.900	67.670	66.530	36.770	29.760	ES	0.1 Ft	Coa Wa
05/15/2015	07:45			28.400	0.000	28.400	67.670	66.530	39.270	27.260	ES	0.1 Ft	Coa Wa
02/09/2015	09:30			25.300	0.000	25.300	67.670	66.530	42.370	24.160	ES	0.1 Ft	Coa Wa
10/23/2014	11:50			32.400	0.000	32.400	67.670	66.530	35.270	31.260	ES	0.01 Ft	Coa Wa

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
08/18/2014	13:07			31.200	0.000	31.200	67.670	66.530	36.470	30.060	ES	0.01 Ft	Coa Wa
05/30/2014	07:45			27.000	0.000	27.000	67.670	66.530	40.670	25.860	ES	0.01 Ft	Coa Wa
03/04/2014	13:30			28.000	0.000	28.000	67.670	66.530	39.670	26.860	ES	0.01 Ft	Coa Wa
10/16/2013	08:05			29.200	0.000	29.200	67.670	66.530	38.470	28.060	ES	0.01 Ft	Coa Wa
07/30/2013	10:35			27.900	0.000	27.900	67.670	66.530	39.770	26.760	ES	0.01 Ft	Coa Wa
03/26/2013	13:20			24.450	0.000	24.450	67.670	66.530	43.220	23.310	ES	0.01 Ft	Coa Wa
01/28/2013	14:05			22.610	0.000	22.610	67.670	66.530	45.060	21.470	ES	0.01 Ft	Coa Wa
10/31/2012	10:45			27.900	0.000	27.900	67.670	66.530	39.770	26.760	ES	0.01 Ft	Coa Wa
07/09/2012	11:24			24.800	0.000	24.800	67.670	66.530	42.870	23.660	ES	Unknown	Coa Wa
03/27/2012	10:37			24.720	0.000	24.720	67.670	66.530	42.950	23.580	ES	Unknown	Coa Wa
12/28/2011	09:00			26.900	0.000	26.900	67.670	66.530	40.770	25.760	ES	Unknown	Coa Wa
09/29/2011	13:30			26.500	0.000	26.500	67.670	66.530	41.170	25.360	ES	Unknown	Coa Wa

Close

Last edited by: cbrennan@coastsidewater.org on 12/15/2021 5:54:53 PM

CASGEM Online System

Welcome: Jesse Carlson

Public: Well Details

View Well Data

Identification

Local Well Designation	Old NAW
Is Local Designation the same as State Well #?	No
State Well Number	05S06W11E001M
Master Site Code	375153N1224967W001
CASGEM Well Id	48471
Data submittals for this well are under	CASGEM

Geography

Latitude	37.514602 North
Longitude	-122.495424 East
	View on Map
Method	Other
Accuracy	Unknown
Physical Basin	2-022 Half Moon Bay Terrace
County	San Mateo

Reference and Ground Surface

RP Elevation	54.84 ft.
Description	Elevation measured by surveyor in June 2023.
GS Elevation	53.52 ft.
Method	Other
Accuracy	Unknown
Distance from RP	1.32

Well Associations

Organization
Montara Water and Sanitary District

Please contact your local regional office to dissociate your organization from a CASGEM well.

Primary Well Org	Montara Water and Sanitary District
Notification Basin/Portion	2-022 - Half Moon Bay Terrace (Whole Basin) /Montara/Moss Beach

Well Use

Well Use	Observation
Well Status	Active

Well Construction

Completion Type Single Well

Total Depth 114 ft.

Do you have well construction data? Yes

Depth of screened interval(s)

	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
Top	12									
Bottom	110									

Well completion report available? Yes

Well Completion Report # 4671

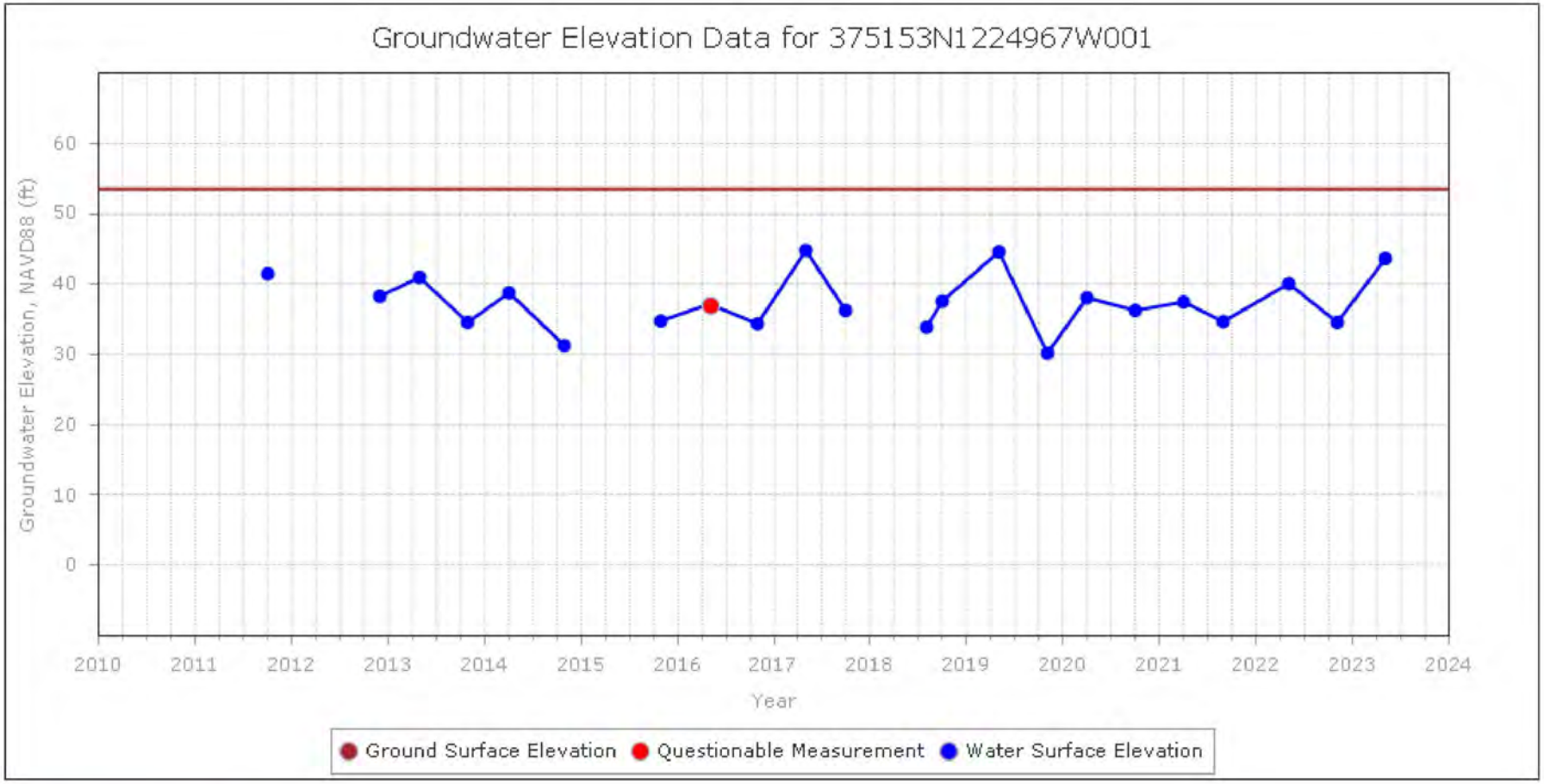
Additional Information

Written description of location of well

Located near Half Moon Bay Airport; Airport Terrace Basin

Any additional comments

View Hydrograph



View Elevation Data

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
04/20/2023	10:20			11.200	0.000	11.200	54.840	53.520	43.640	9.880	ES	0.1 Ft	Mo San
10/20/2022	10:55			20.400	0.000	20.400	55.000	54.000	34.600	19.400	ES	0.1 Ft	Mo San

1 Page size: All

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
04/07/2022	09:45			14.900	0.000	14.900	55.000	54.000	40.100	13.900	ES	0.1 Ft	Mo San
08/26/2021	10:05			20.300	0.000	20.300	55.000	54.000	34.700	19.300	ES	0.1 Ft	Mo San
03/05/2021	08:25			17.500	0.000	17.500	55.000	54.000	37.500	16.500	ES	0.1 Ft	Mo San
09/09/2020	09:20			55.000	36.300	18.700	55.000	54.000	36.300	17.700	ES	0.1 Ft	Mo San
03/12/2020	13:55			16.900	0.000	16.900	55.000	54.000	38.100	15.900	ES	0.1 Ft	Mo San
10/18/2019	11:45			24.800	0.000	24.800	55.000	54.000	30.200	23.800	ES	0.1 Ft	Mo San
04/04/2019	11:27			10.400	0.000	10.400	55.000	54.000	44.600	9.400	ES	0.1 Ft	Mo San
09/27/2018	08:40			17.400	0.000	17.400	55.000	54.000	37.600	16.400	ES	0.1 Ft	Mo San
07/23/2018	13:58			21.100	0.000	21.100	55.000	54.000	33.900	20.100	ES	0.1 Ft	Mo San
09/28/2017	12:20			18.700	0.000	18.700	55.000	54.000	36.300	17.700	ES	0.1 Ft	Mo San
04/12/2017	14:54			10.200	0.000	10.200	55.000	54.000	44.800	9.200	ES	0.1 Ft	Mo San
10/12/2016	13:35			20.600	0.000	20.600	55.000	54.000	34.400	19.600	ES	0.1 Ft	Mo San
04/11/2016	08:45		2	17.800	0.000	17.800	55.000	54.000	37.200	16.800	ES	0.1 Ft	Mo San

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
10/05/2015	14:40			20.200	0.000	20.200	55.000	54.000	34.800	19.200	ES	0.1 Ft	Mo San
04/15/2015	08:00	7					55.000	54.000					Mo San
10/21/2014	09:30			55.000	31.300	23.700	55.000	54.000	31.300	22.700	ES	0.1 Ft	Mo San
03/19/2014	10:10			55.000	38.800	16.200	55.000	54.000	38.800	15.200	ES	0.1 Ft	Mo San
10/14/2013	09:00			55.000	34.600	20.400	55.000	54.000	34.600	19.400	ST	0.1 Ft	Mo San
04/22/2013	11:20			55.000	41.000	14.000	55.000	54.000	41.000	13.000	ST	0.1 Ft	Mo San
11/21/2012	00:00			55.000	38.300	16.700	55.000	54.000	38.300	15.700	ST	Unknown	Mo San
09/19/2011	08:45			55.000	41.500	13.500	55.000	54.000	41.500	12.500	ST	Unknown	Mo San

1 Page size:

Close

Last edited by: tanya@srtconsultants.com on 7/11/2023 5:14:00 PM

CASGEM Online System

Welcome: Jesse Carlson

Public: Well Details

View Well Data

Identification

Local Well Designation	Old SAW
Is Local Designation the same as State Well #?	No
State Well Number	05S06W11E002M
Master Site Code	375135N1224939W001
CASGEM Well Id	48472
Data submittals for this well are under	CASGEM

Reference and Ground Surface

RP Elevation	56.27 ft.
Description	Elevation measured by surveyor in June 2023.
GS Elevation	55.51 ft.
Method	Other
Accuracy	Unknown
Distance from RP	0.76

Well Use

Well Use	Observation
Well Status	Active

Well Construction

Geography

Latitude	37.513513 North
Longitude	-122.49385 East
	View on Map
Method	Other
Accuracy	Unknown
Physical Basin	2-022 Half Moon Bay Terrace
County	San Mateo

Well Associations

Organization
Montara Water and Sanitary District

Please contact your local regional office to dissociate your organization from a CASGEM well.

Primary Well Org	Montara Water and Sanitary District
Notification Basin/Portion	2-022 - Half Moon Bay Terrace (Whole Basin) /Montara/Moss Beach

Completion Type Single Well

Total Depth 114 ft.

Do you have well construction data? Yes

Depth of screened interval(s)

	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10
Top	38									
Bottom	104									

Well completion report available? Yes

Well Completion Report # 134138

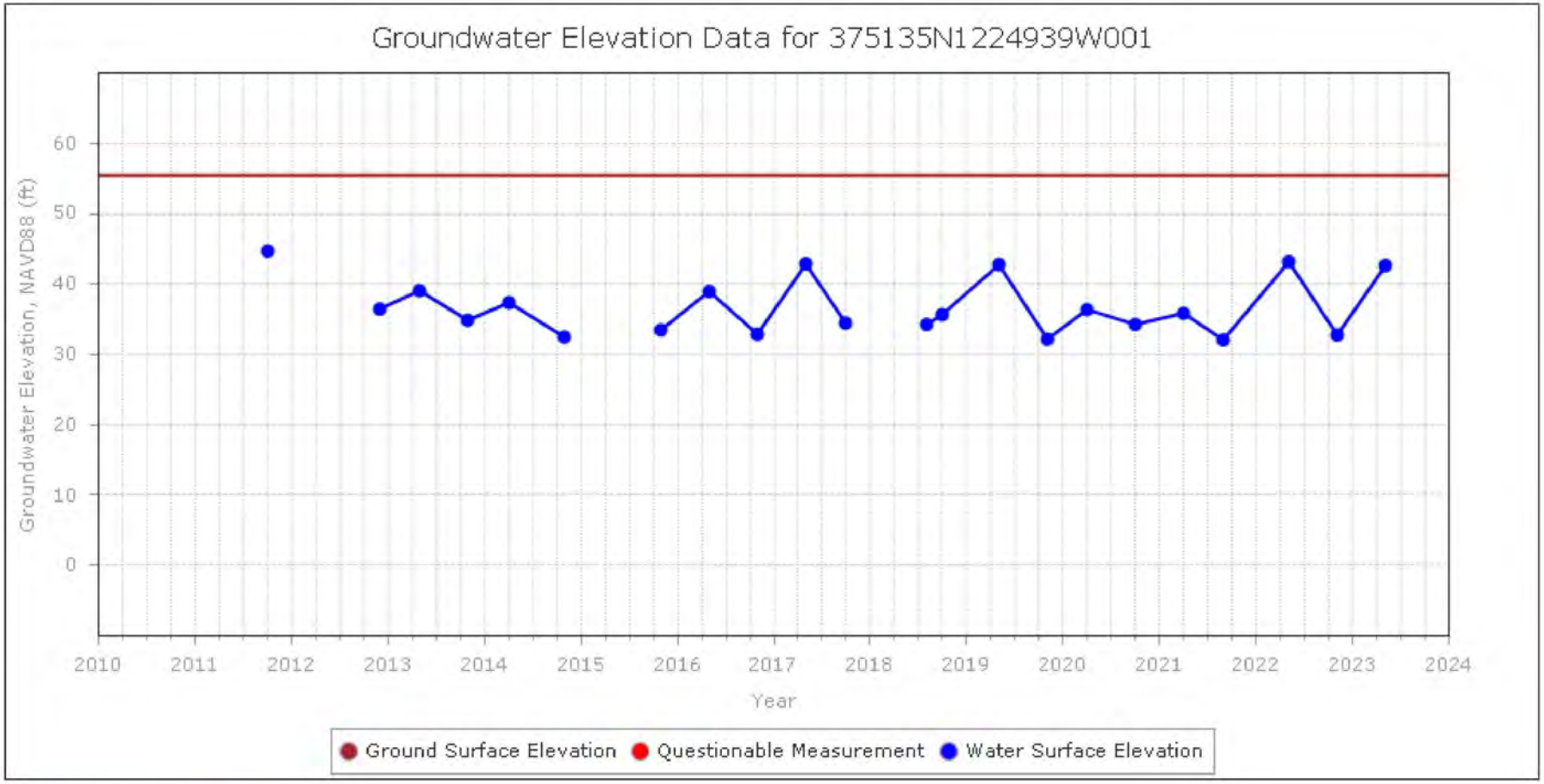
Additional Information

Written description of location of well

Located near Half Moon Bay Airport; Airport Terrace Basin

Any additional comments

View Hydrograph



View Elevation Data

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
04/20/2023	10:58			13.600	0.000	13.600	56.270	55.510	42.670	12.840	ES	0.1 Ft	Mo San
10/20/2022	10:50			23.200	0.000	23.200	56.000	55.000	32.800	22.200	ES	0.1 Ft	Mo San

1 Page size: All

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
04/07/2022	09:50			12.800	0.000	12.800	56.000	55.000	43.200	11.800	ES	0.1 Ft	Mo San
08/26/2021	09:45			23.900	0.000	23.900	56.000	55.000	32.100	22.900	ES	0.1 Ft	Mo San
03/05/2021	08:30			20.100	0.000	20.100	56.000	55.000	35.900	19.100	ES	0.1 Ft	Mo San
09/09/2020	09:15			56.000	34.300	21.700	56.000	55.000	34.300	20.700	ES	0.1 Ft	Mo San
03/12/2020	13:45			19.600	0.000	19.600	56.000	55.000	36.400	18.600	ES	0.1 Ft	Mo San
10/18/2019	11:48			23.800	0.000	23.800	56.000	55.000	32.200	22.800	ES	0.1 Ft	Mo San
04/04/2019	11:30			13.200	0.000	13.200	56.000	55.000	42.800	12.200	ES	0.1 Ft	Mo San
09/27/2018	08:36			20.300	0.000	20.300	56.000	55.000	35.700	19.300	ES	0.1 Ft	Mo San
07/23/2018	13:52			21.700	0.000	21.700	56.000	55.000	34.300	20.700	ES	0.1 Ft	Mo San
09/28/2017	12:25			21.500	0.000	21.500	56.000	55.000	34.500	20.500	ES	0.1 Ft	Mo San
04/12/2017	14:57			13.100	0.000	13.100	56.000	55.000	42.900	12.100	ES	0.1 Ft	Mo San
10/12/2016	13:35			23.100	0.000	23.100	56.000	55.000	32.900	22.100	ES	0.1 Ft	Mo San
04/11/2016	08:50			17.000	0.000	17.000	56.000	55.000	39.000	16.000	ES	0.1 Ft	Mo San

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
10/05/2015	14:25			22.500	0.000	22.500	56.000	55.000	33.500	21.500	ES	0.1 Ft	Mo San
04/15/2015	08:00	7					56.000	55.000					Mo San
10/21/2014	09:30			56.000	32.500	23.500	56.000	55.000	32.500	22.500	ES	0.1 Ft	Mo San
03/19/2014	10:00			56.000	37.400	18.600	56.000	55.000	37.400	17.600	ES	0.1 Ft	Mo San
10/14/2013	09:00			56.000	34.900	21.100	56.000	55.000	34.900	20.100	ST	0.1 Ft	Mo San
04/22/2013	14:10			56.000	39.100	16.900	56.000	55.000	39.100	15.900	ST	0.1 Ft	Mo San
11/21/2012	00:00			56.000	36.500	19.500	56.000	55.000	36.500	18.500	ST	Unknown	Mo San
09/19/2011	08:45			56.000	44.700	11.300	56.000	55.000	44.700	10.300	ST	Unknown	Mo San

1 Page size:

Close

Last edited by: tanya@srtconsultants.com on 7/11/2023 5:16:24 PM

CASGEM Online System

Welcome: Jesse Carlson

Public: Well Details

View Well Data

Identification

Local Well Designation	Codo Well
Is Local Designation the same as State Well #?	No
State Well Number	
Master Site Code	375083N1224973W001
CASGEM Well Id	48473
Data submittals for this well are under	CASGEM

Reference and Ground Surface

RP Elevation	25.31 ft.
Description	Elevation measured by surveyor in June 2023.
GS Elevation	24.31 ft.
Method	Other
Accuracy	Unknown
Distance from RP	1.00

Well Use

Well Use	Observation
Well Status	Active

Well Construction

Geography

Latitude	37.508283 North
Longitude	-122.497349 East
	View on Map
Method	Other
Accuracy	Unknown
Physical Basin	2-022 Half Moon Bay Terrace
County	San Mateo

Well Associations

Organization
Montara Water and Sanitary District

Please contact your local regional office to dissociate your organization from a CASGEM well.

Primary Well Org	Montara Water and Sanitary District
Notification Basin/Portion	2-022 - Half Moon Bay Terrace (Whole Basin) /Montara/Moss Beach

Completion Type	Single Well
Total Depth	Unknown
Do you have well construction data?	No
Well completion report available?	No

Additional Information

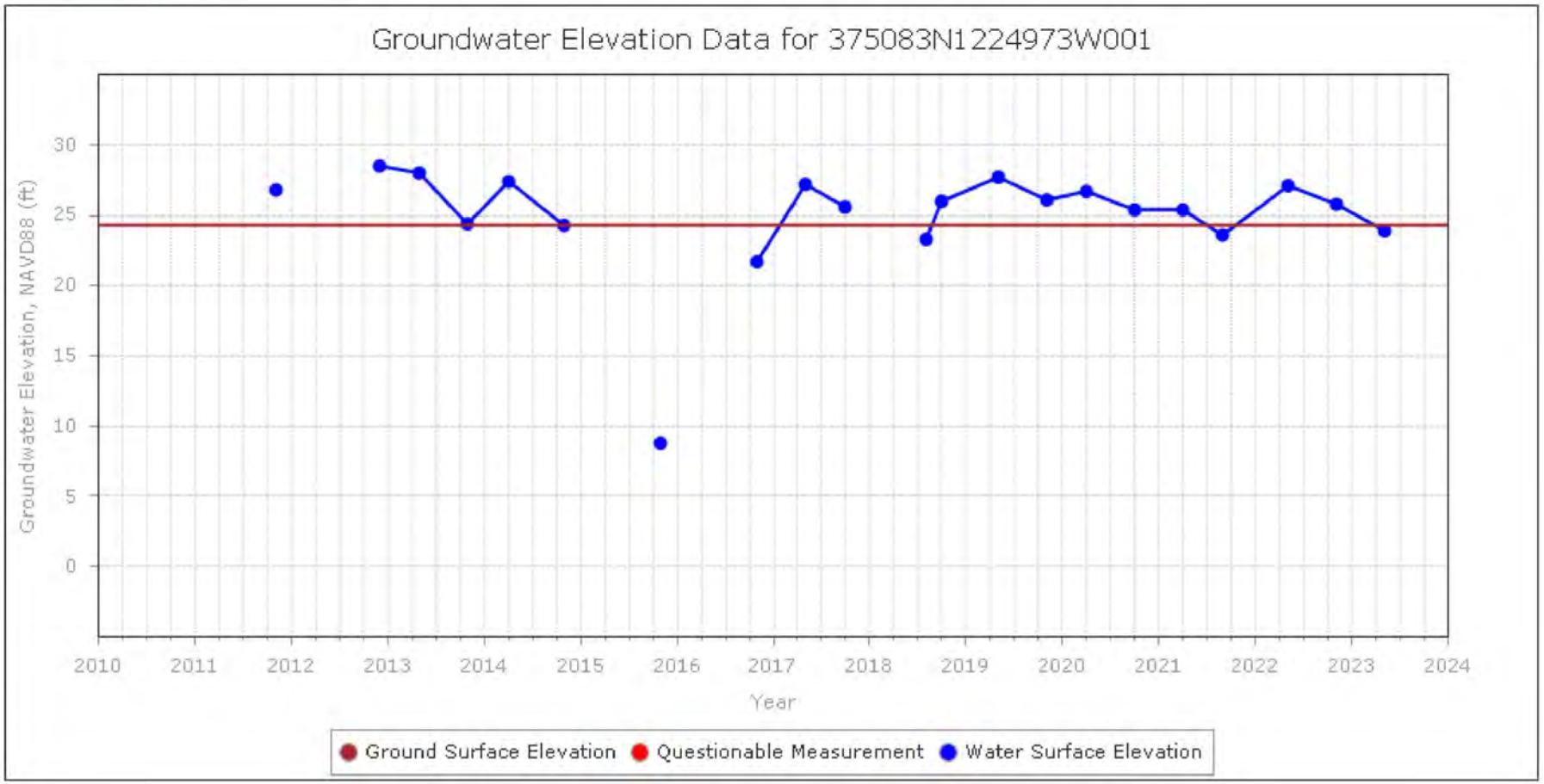
Written description of location of well

Located near Pillar Ridge Mobile Home Park; Airport Terrace Basin

Any additional comments

Well Depth estimated to be 100 feet based on known depth of adjacent well.

View Hydrograph



View Elevation Data

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
04/20/2023	11:11			1.400	0.000	1.400	25.310	24.310	23.910	0.400	ES	0.1 Ft	Mo San
10/20/2022	11:30			3.200	0.000	3.200	29.000	28.000	25.800	2.200	ES	0.1 Ft	Mo San
04/07/2022	10:00			1.900	0.000	1.900	29.000	28.000	27.100	0.900	ES	0.1 Ft	Mo San
08/26/2021	10:16			5.400	0.000	5.400	29.000	28.000	23.600	4.400	ES	0.1 Ft	Mo San
03/05/2021	08:50			3.600	0.000	3.600	29.000	28.000	25.400	2.600	ES	0.1 Ft	Mo San
09/09/2020	09:35			29.000	25.400	3.600	29.000	28.000	25.400	2.600	ES	0.1 Ft	Mo San
03/12/2020	14:15			2.300	0.000	2.300	29.000	28.000	26.700	1.300	ES	0.1 Ft	Mo San
10/18/2019	12:06			2.900	0.000	2.900	29.000	28.000	26.100	1.900	ES	0.1 Ft	Mo San
04/04/2019	11:50			1.300	0.000	1.300	29.000	28.000	27.700	0.300	ES	0.1 Ft	Mo San
09/27/2018	09:00			3.000	0.000	3.000	29.000	28.000	26.000	2.000	ES	0.1 Ft	Mo San
07/23/2018	14:06			5.700	0.000	5.700	29.000	28.000	23.300	4.700	ES	0.1 Ft	Mo San
09/28/2017	13:30			3.400	0.000	3.400	29.000	28.000	25.600	2.400	ES	0.1 Ft	Mo San

1 Page size: All

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
04/12/2017	13:32			1.800	0.000	1.800	29.000	28.000	27.200	0.800	ES	0.1 Ft	Mo San
10/12/2016	13:50			7.300	0.000	7.300	29.000	28.000	21.700	6.300	ES	0.1 Ft	Mo San
04/11/2016	09:10	F					29.000	28.000					Mo San
10/05/2015	14:40			20.200	0.000	20.200	29.000	28.000	8.800	19.200	ES	0.1 Ft	Mo San
04/15/2015	08:00	7					29.000	28.000					Mo San
10/21/2014	09:20			29.000	24.300	4.700	29.000	28.000	24.300	3.700	ES	0.1 Ft	Mo San
03/19/2014	09:50			29.000	27.400	1.600	29.000	28.000	27.400	0.600	ES	0.1 Ft	Mo San
10/15/2013	00:00			29.000	24.400	4.600	29.000	28.000	24.400	3.600	ST	0.1 Ft	Mo San
04/22/2013	13:30			29.000	28.000	1.000	29.000	28.000	28.000	0.000	ST	0.1 Ft	Mo San
11/21/2012	00:00			29.000	28.500	0.500	29.000	28.000	28.500	-0.500	ST	Unknown	Mo San
10/24/2011	08:00			29.000	26.800	2.200	29.000	28.000	26.800	1.200	ST	Unknown	Mo San

1 Page size:

Close

Last edited by: tanya@srtconsultants.com on 7/11/2023 5:14:52 PM

CASGEM Online System

Welcome: Jesse Carlson

Public: Well Details

View Well Data

Identification

Local Well Designation	P-1
Is Local Designation the same as State Well #?	No
State Well Number	
Master Site Code	375039N1224961W001
CASGEM Well Id	48474
Data submittals for this well are under	CASGEM

Reference and Ground Surface

RP Elevation	11.83 ft.
Description	Elevation measured by surveyor in June 2023.
GS Elevation	12.2 ft.
Method	Other
Accuracy	Unknown
Distance from RP	-0.37

Well Use

Well Use	Observation
Well Status	Active

Well Construction

Geography

Latitude	37.503941 North
Longitude	-122.496065 East
	View on Map
Method	Other
Accuracy	Unknown
Physical Basin	2-022 Half Moon Bay Terrace
County	San Mateo

Well Associations

Organization
Montara Water and Sanitary District

Please contact your local regional office to dissociate your organization from a CASGEM well.

Primary Well Org	Montara Water and Sanitary District
Notification Basin/Portion	2-022 - Half Moon Bay Terrace (Whole Basin) /Montara/Moss Beach

Completion Type	Part of a nested/multi-completion well
Total Depth	43 ft.
Do you have well construction data?	No
Well completion report available?	No

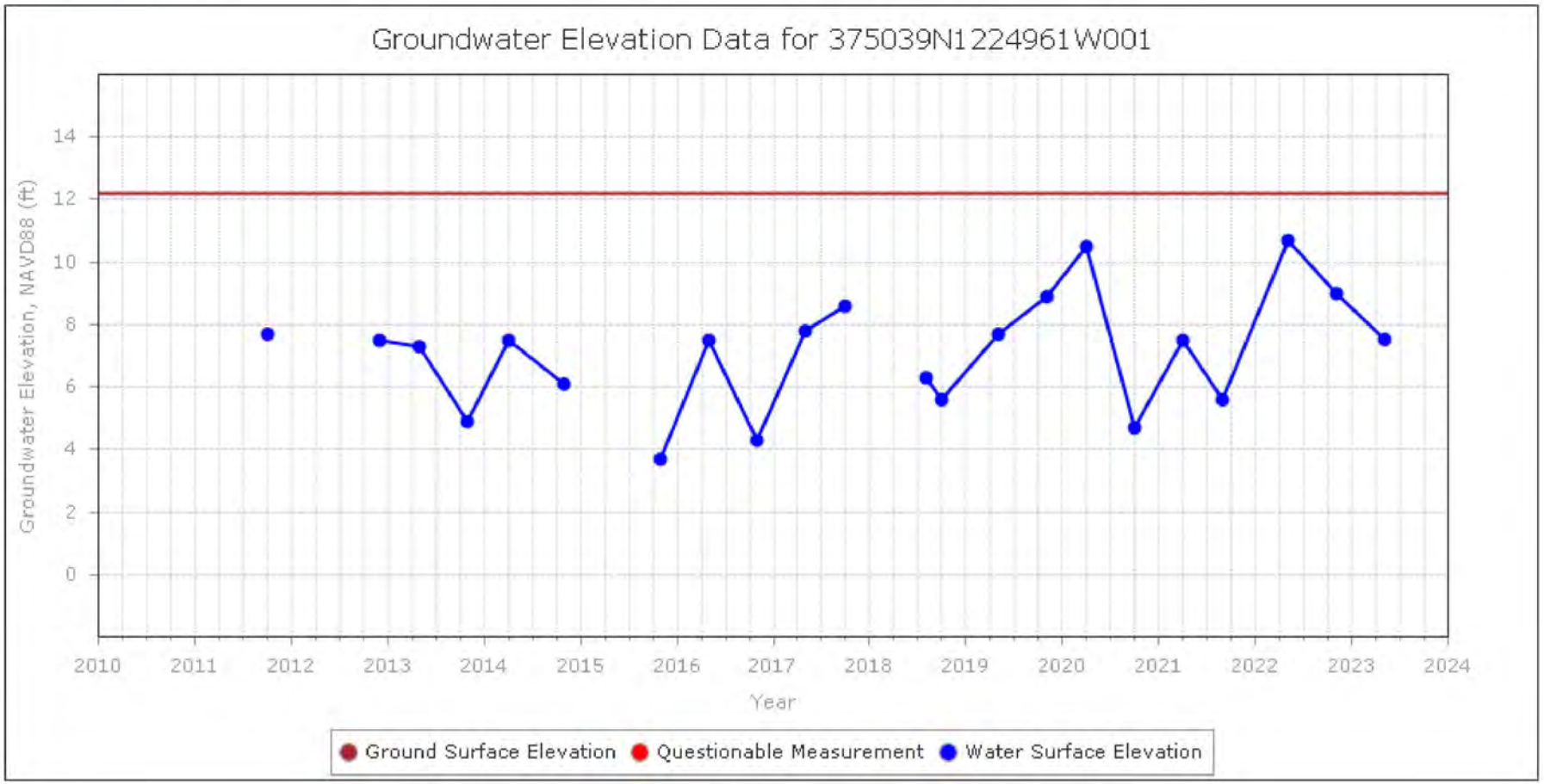
Additional Information

Written description of location of well

Located in Pillar Point Marsh; Airport Terrace Basin

Any additional comments

View Hydrograph



View Elevation Data

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
04/20/2023	11:00			4.300	0.000	4.300	11.830	12.200	7.530	4.670	ES	0.1 Ft	Mo San
10/20/2022	11:10			3.000	0.000	3.000	12.000	11.000	9.000	2.000	ES	0.1 Ft	Mo San
04/07/2022	10:20			1.300	0.000	1.300	12.000	11.000	10.700	0.300	ES	0.1 Ft	Mo San
08/26/2021	10:47			6.400	0.000	6.400	12.000	11.000	5.600	5.400	ES	0.1 Ft	Mo San
03/05/2021	08:39			4.500	0.000	4.500	12.000	11.000	7.500	3.500	ES	0.1 Ft	Mo San
09/09/2020	09:25			12.000	4.700	7.300	12.000	11.000	4.700	6.300	ES	0.1 Ft	Mo San
03/12/2020	14:40			1.500	0.000	1.500	12.000	11.000	10.500	0.500	ES	0.1 Ft	Mo San
10/18/2019	11:55			3.100	0.000	3.100	12.000	11.000	8.900	2.100	ES	0.1 Ft	Mo San
04/04/2019	13:34			4.300	0.000	4.300	12.000	11.000	7.700	3.300	ES	0.1 Ft	Mo San
09/27/2018	08:48			6.400	0.000	6.400	12.000	11.000	5.600	5.400	ES	0.1 Ft	Mo San
07/23/2018	14:15			5.700	0.000	5.700	12.000	11.000	6.300	4.700	ES	0.1 Ft	Mo San
09/28/2017	13:00			3.400	0.000	3.400	12.000	11.000	8.600	2.400	ES	0.1 Ft	Mo San

1 Page size: All

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
04/12/2017	14:07			4.200	0.000	4.200	12.000	11.000	7.800	3.200	ES	0.1 Ft	Mo San
10/12/2016	08:15			7.700	0.000	7.700	12.000	11.000	4.300	6.700	ES	0.1 Ft	Mo San
04/11/2016	09:00			4.500	0.000	4.500	12.000	11.000	7.500	3.500	ES	0.1 Ft	Mo San
10/05/2015	14:30			8.300	0.000	8.300	12.000	11.000	3.700	7.300	ES	0.1 Ft	Mo San
04/15/2015	08:00	7					12.000	11.000					Mo San
10/21/2014	09:00			12.000	6.100	5.900	12.000	11.000	6.100	4.900	ES	0.1 Ft	Mo San
03/19/2014	09:20			12.000	7.500	4.500	12.000	11.000	7.500	3.500	ES	0.1 Ft	Mo San
10/13/2013	13:30			12.000	4.900	7.100	12.000	11.000	4.900	6.100	ST	0.1 Ft	Mo San
04/22/2013	10:30			12.000	7.300	4.700	12.000	11.000	7.300	3.700	ST	0.1 Ft	Mo San
11/21/2012	00:00			12.000	7.500	4.500	12.000	11.000	7.500	3.500	ST	Unknown	Mo San
09/15/2011	08:00			12.000	7.700	4.300	12.000	11.000	7.700	3.300	ST	Unknown	Mo San

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CASGEM Online System

Welcome: Jesse Carlson

Public: Well Details

View Well Data

Identification

Local Well Designation	P-2
Is Local Designation the same as State Well #?	No
State Well Number	
Master Site Code	375039N1224961W002
CASGEM Well Id	48475
Data submittals for this well are under	CASGEM

Reference and Ground Surface

RP Elevation	12.04 ft.
Description	Elevation measured by surveyor in June 2023.
GS Elevation	12.12 ft.
Method	Other
Accuracy	Unknown
Distance from RP	-0.08

Well Use

Well Use	Observation
Well Status	Active

Well Construction

Geography

Latitude	37.503941 North
Longitude	-122.496065 East
	View on Map
Method	Other
Accuracy	Unknown
Physical Basin	2-022 Half Moon Bay Terrace
County	San Mateo

Well Associations

Organization
Montara Water and Sanitary District

Please contact your local regional office to dissociate your organization from a CASGEM well.

Primary Well Org	Montara Water and Sanitary District
Notification Basin/Portion	2-022 - Half Moon Bay Terrace (Whole Basin) /Montara/Moss Beach

Completion Type	Part of a nested/multi-completion well
Total Depth	23 ft.
Do you have well construction data?	No
Well completion report available?	No

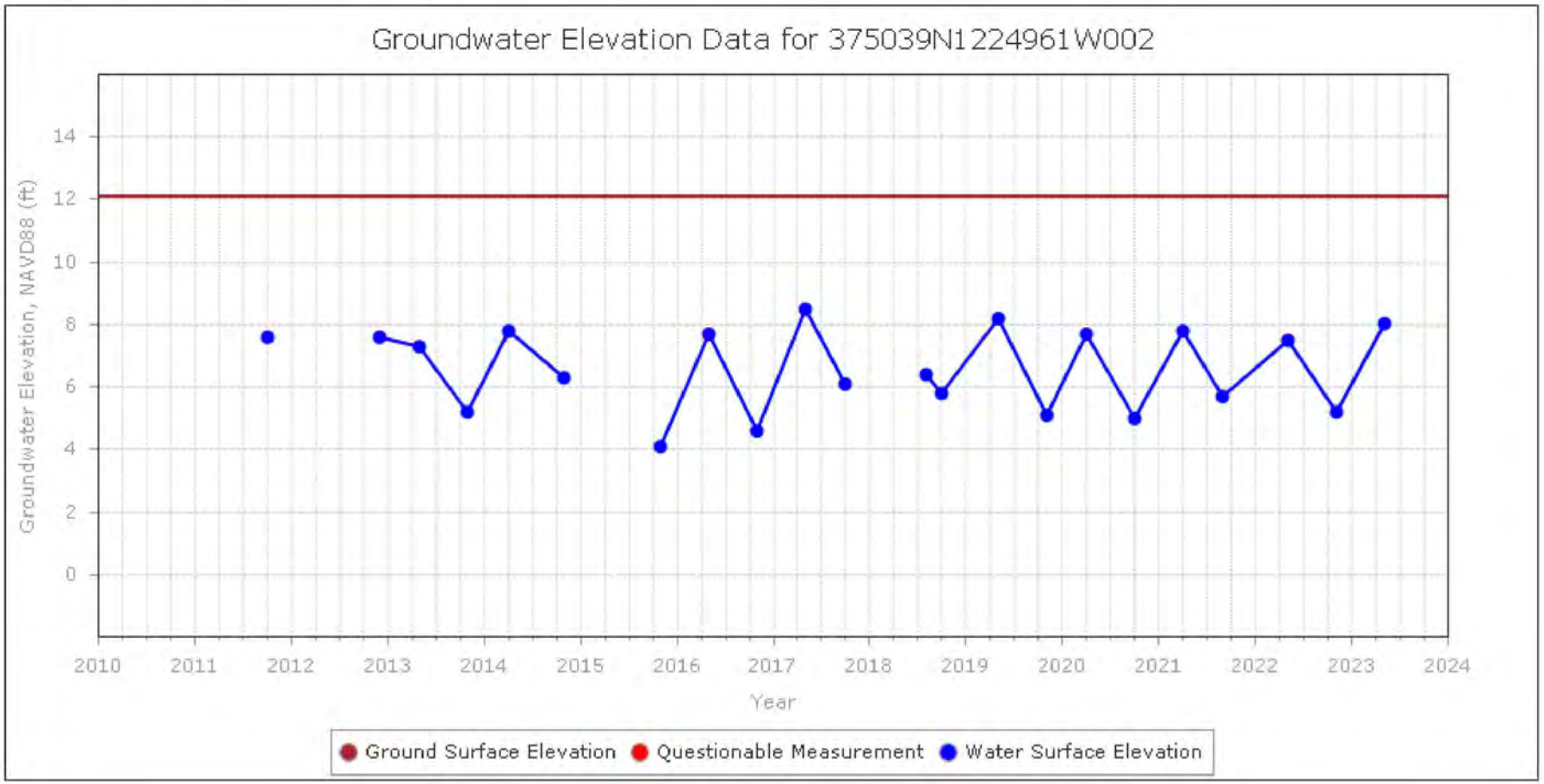
Additional Information

Written description of location of well

Located in Pillar Point Marsh; Airport Terrace Basin

Any additional comments

View Hydrograph



View Elevation Data

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
04/20/2023	11:03			4.000	0.000	4.000	12.040	12.120	8.040	4.080	ES	0.1 Ft	Mo San
10/20/2022	11:12			6.800	0.000	6.800	12.000	11.000	5.200	5.800	ES	0.1 Ft	Mo San
04/07/2022	10:22			4.500	0.000	4.500	12.000	11.000	7.500	3.500	ES	0.1 Ft	Mo San
08/26/2021	10:51			6.300	0.000	6.300	12.000	11.000	5.700	5.300	ES	0.1 Ft	Mo San
03/05/2021	08:40			4.200	0.000	4.200	12.000	11.000	7.800	3.200	ES	0.1 Ft	Mo San
09/09/2020	09:27			12.000	5.000	7.000	12.000	11.000	5.000	6.000	ES	0.1 Ft	Mo San
03/12/2020	14:43			4.300	0.000	4.300	12.000	11.000	7.700	3.300	ES	0.1 Ft	Mo San
10/18/2019	11:56			6.900	0.000	6.900	12.000	11.000	5.100	5.900	ES	0.1 Ft	Mo San
04/04/2019	13:35			3.800	0.000	3.800	12.000	11.000	8.200	2.800	ES	0.1 Ft	Mo San
09/27/2018	08:49			6.200	0.000	6.200	12.000	11.000	5.800	5.200	ES	0.1 Ft	Mo San
07/23/2018	14:15			5.600	0.000	5.600	12.000	11.000	6.400	4.600	ES	0.1 Ft	Mo San
09/28/2017	13:05			5.900	0.000	5.900	12.000	11.000	6.100	4.900	ES	0.1 Ft	Mo San

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Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
04/12/2017	14:07			3.500	0.000	3.500	12.000	11.000	8.500	2.500	ES	0.1 Ft	Mo San
10/12/2016	08:10			7.400	0.000	7.400	12.000	11.000	4.600	6.400	ES	0.1 Ft	Mo San
04/11/2016	09:00			4.300	0.000	4.300	12.000	11.000	7.700	3.300	ES	0.1 Ft	Mo San
10/05/2015	14:30			7.900	0.000	7.900	12.000	11.000	4.100	6.900	ES	0.1 Ft	Mo San
04/15/2015	08:00	7					12.000	11.000					Mo San
10/21/2014	09:05			12.000	6.300	5.700	12.000	11.000	6.300	4.700	ES	0.1 Ft	Mo San
03/19/2014	09:30			12.000	7.800	4.200	12.000	11.000	7.800	3.200	ES	0.1 Ft	Mo San
10/13/2013	13:40			12.000	5.200	6.800	12.000	11.000	5.200	5.800	ST	0.1 Ft	Mo San
04/22/2013	10:45			12.000	7.300	4.700	12.000	11.000	7.300	3.700	ST	0.1 Ft	Mo San
11/21/2012	00:00			12.000	7.600	4.400	12.000	11.000	7.600	3.400	ST	Unknown	Mo San
09/15/2011	08:00			12.000	7.600	4.400	12.000	11.000	7.600	3.400	ST	Unknown	Mo San

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CASGEM Online System

Welcome: Jesse Carlson

Public: Well Details

View Well Data

Identification

Local Well Designation	P-3
Is Local Designation the same as State Well #?	No
State Well Number	
Master Site Code	375039N1224961W003
CASGEM Well Id	48476
Data submittals for this well are under	CASGEM

Reference and Ground Surface

RP Elevation	12.29 ft.
Description	Elevation measured by surveyor in June 2023.
GS Elevation	12.38 ft.
Method	Other
Accuracy	Unknown
Distance from RP	-0.09

Well Use

Well Use	Observation
Well Status	Active

Well Construction

Geography

Latitude	37.503941 North
Longitude	-122.496065 East
	View on Map
Method	Other
Accuracy	Unknown
Physical Basin	2-022 Half Moon Bay Terrace
County	San Mateo

Well Associations

Organization
Montara Water and Sanitary District

Please contact your local regional office to dissociate your organization from a CASGEM well.

Primary Well Org	Montara Water and Sanitary District
Notification Basin/Portion	2-022 - Half Moon Bay Terrace (Whole Basin) /Montara/Moss Beach

Completion Type	Part of a nested/multi-completion well
Total Depth	15 ft.
Do you have well construction data?	No
Well completion report available?	No

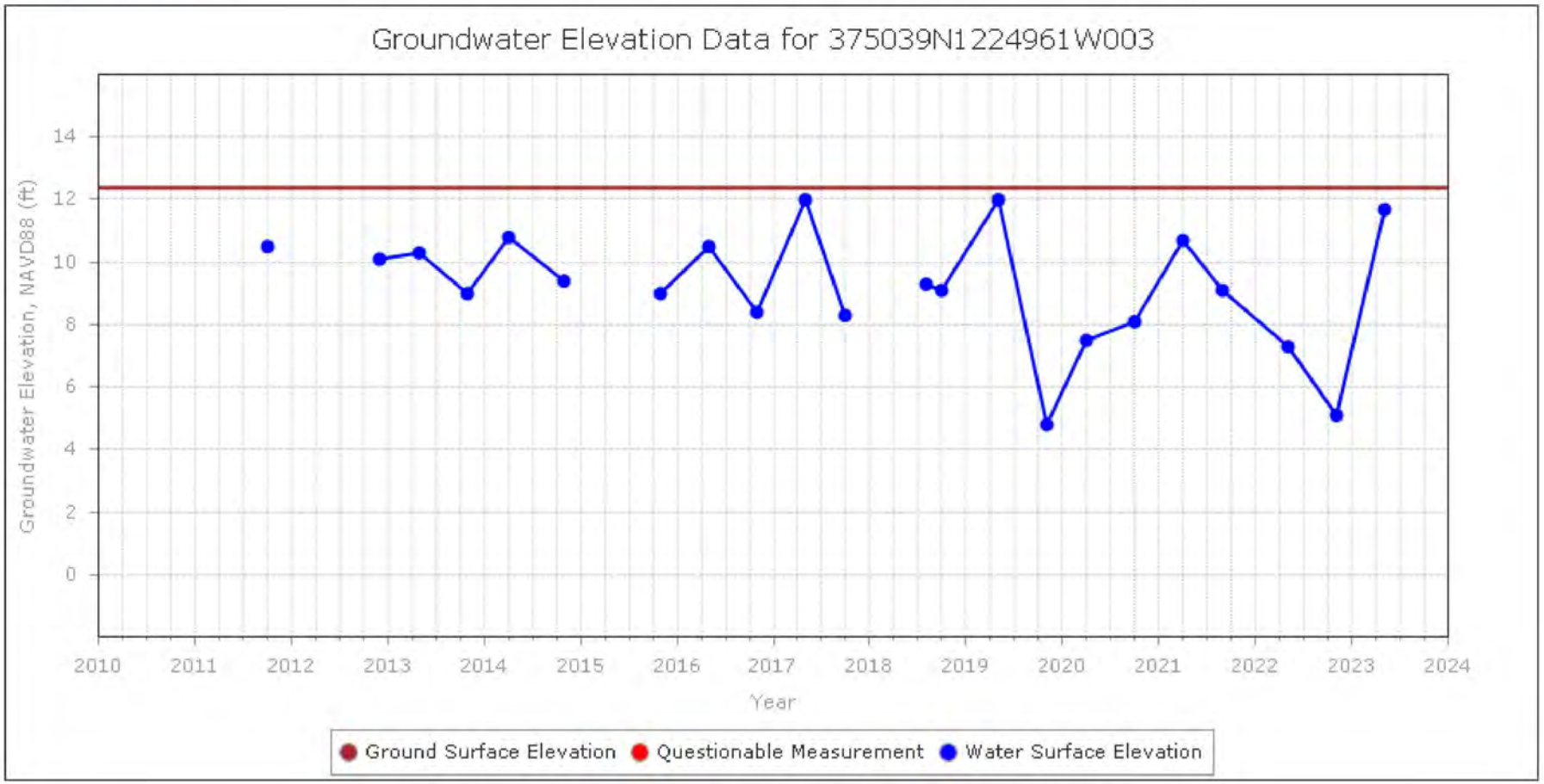
Additional Information

Written description of location of well

Located in Pillar Point Marsh; Airport Terrace Basin

Any additional comments

View Hydrograph



View Elevation Data

Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
04/20/2023	11:03			0.600	0.000	0.600	12.290	12.380	11.690	0.690	ES	0.1 Ft	Mo San
10/20/2022	11:15			6.900	0.000	6.900	12.000	11.000	5.100	5.900	ES	0.1 Ft	Mo San
04/07/2022	10:25			4.700	0.000	4.700	12.000	11.000	7.300	3.700	ES	0.1 Ft	Mo San
08/26/2021	10:54			2.900	0.000	2.900	12.000	11.000	9.100	1.900	ES	0.1 Ft	Mo San
03/05/2021	08:41			1.300	0.000	1.300	12.000	11.000	10.700	0.300	ES	0.1 Ft	Mo San
09/09/2020	09:29			12.000	8.100	3.900	12.000	11.000	8.100	2.900	ES	0.1 Ft	Mo San
03/12/2020	14:47			4.500	0.000	4.500	12.000	11.000	7.500	3.500	ES	0.1 Ft	Mo San
10/18/2019	11:58			7.200	0.000	7.200	12.000	11.000	4.800	6.200	ES	0.1 Ft	Mo San
04/04/2019	13:36			0.000	0.000	0.000	12.000	11.000	12.000	-1.000	ES	0.1 Ft	Mo San
09/27/2018	08:50			2.900	0.000	2.900	12.000	11.000	9.100	1.900	ES	0.1 Ft	Mo San
07/23/2018	14:15			2.700	0.000	2.700	12.000	11.000	9.300	1.700	ES	0.1 Ft	Mo San
09/28/2017	13:10			3.700	0.000	3.700	12.000	11.000	8.300	2.700	ES	0.1 Ft	Mo San

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Date	Military Time (PST)	NM	QM	Reading @RP	Reading @WS	RP to WS	RP Elev	GS Elev	WSE	GS to WS	Measurement Method	Measurement Accuracy	Co-
04/12/2017	14:08			0.000	0.000	0.000	12.000	11.000	12.000	-1.000	ES	0.1 Ft	Mo San
10/12/2016	08:05			3.600	0.000	3.600	12.000	11.000	8.400	2.600	ES	0.1 Ft	Mo San
04/11/2016	09:00			1.500	0.000	1.500	12.000	11.000	10.500	0.500	ES	0.1 Ft	Mo San
10/05/2015	14:30			3.000	0.000	3.000	12.000	11.000	9.000	2.000	ES	0.1 Ft	Mo San
04/15/2015	08:00	7					12.000	11.000					Mo San
10/21/2014	09:10			12.000	9.400	2.600	12.000	11.000	9.400	1.600	ES	0.1 Ft	Mo San
03/19/2014	09:40			12.000	10.800	1.200	12.000	11.000	10.800	0.200	ES	0.1 Ft	Mo San
03/19/2014	09:40			12.000	10.800	1.200	12.000	11.000	10.800	0.200	ES	0.1 Ft	Mo San
03/19/2014	09:40			12.000	10.800	1.200	12.000	11.000	10.800	0.200	ES	0.1 Ft	Mo San
10/13/2013	13:50			12.000	9.000	3.000	12.000	11.000	9.000	2.000	ST	0.1 Ft	Mo San
04/22/2013	10:55			12.000	10.300	1.700	12.000	11.000	10.300	0.700	ST	0.1 Ft	Mo San
11/21/2012	00:00			12.000	10.100	1.900	12.000	11.000	10.100	0.900	ST	Unknown	Mo San
09/15/2011	08:00			12.000	10.500	1.500	12.000	11.000	10.500	0.500	ST	Unknown	Mo San

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APPENDIX 3.4

Groundwater Water Quality Conditions

Appendix 3.4. Groundwater Water Quality Conditions

Data to generate these figures was exported from: GAMA, 2023a. GAMA Information System, accessed at: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/.

Figure 1. Distribution of Total Dissolved Solids in Groundwater

Appendix 3.4. Groundwater Water Quality Conditions

Figure 2. Distribution of Iron in Groundwater

Appendix 3.4. Groundwater Water Quality Conditions

Figure 3. Distribution of Manganese in Groundwater

APPENDIX 3.5

Open Environmental Cleanup Sites
(electronic only)

Appendix 3.5 Open Environmental Cleanup Sites

Documents from the open environmental cleanup sites within the Project Area are supplied in electronic format only

Documents can be found here: CCWD Proposed Recycled Water Project

APPENDIX 3.6

Aquifer Risk Map Screenshots
(electronic only)

Appendix 3.6 Aquifer Risk Map

Copies of Aquifer Risk Maps within the Project Area are supplied in electronic format only

Aquifer Risk Maps can be found here: CCWD Proposed Recycled Water Project

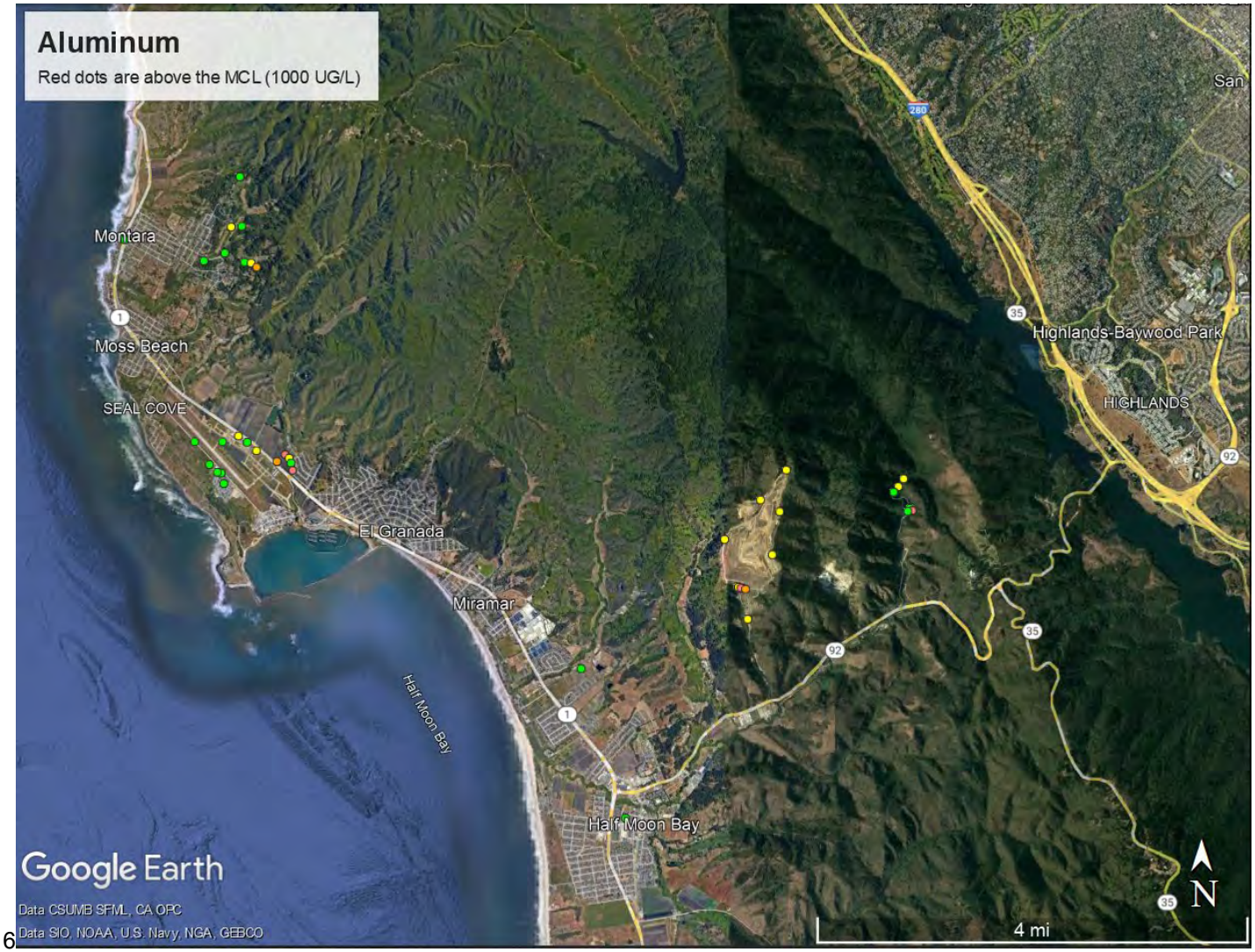
APPENDIX 3.7

Distribution of Groundwater COCs

Appendix 3.7. Distribution of Groundwater COCs

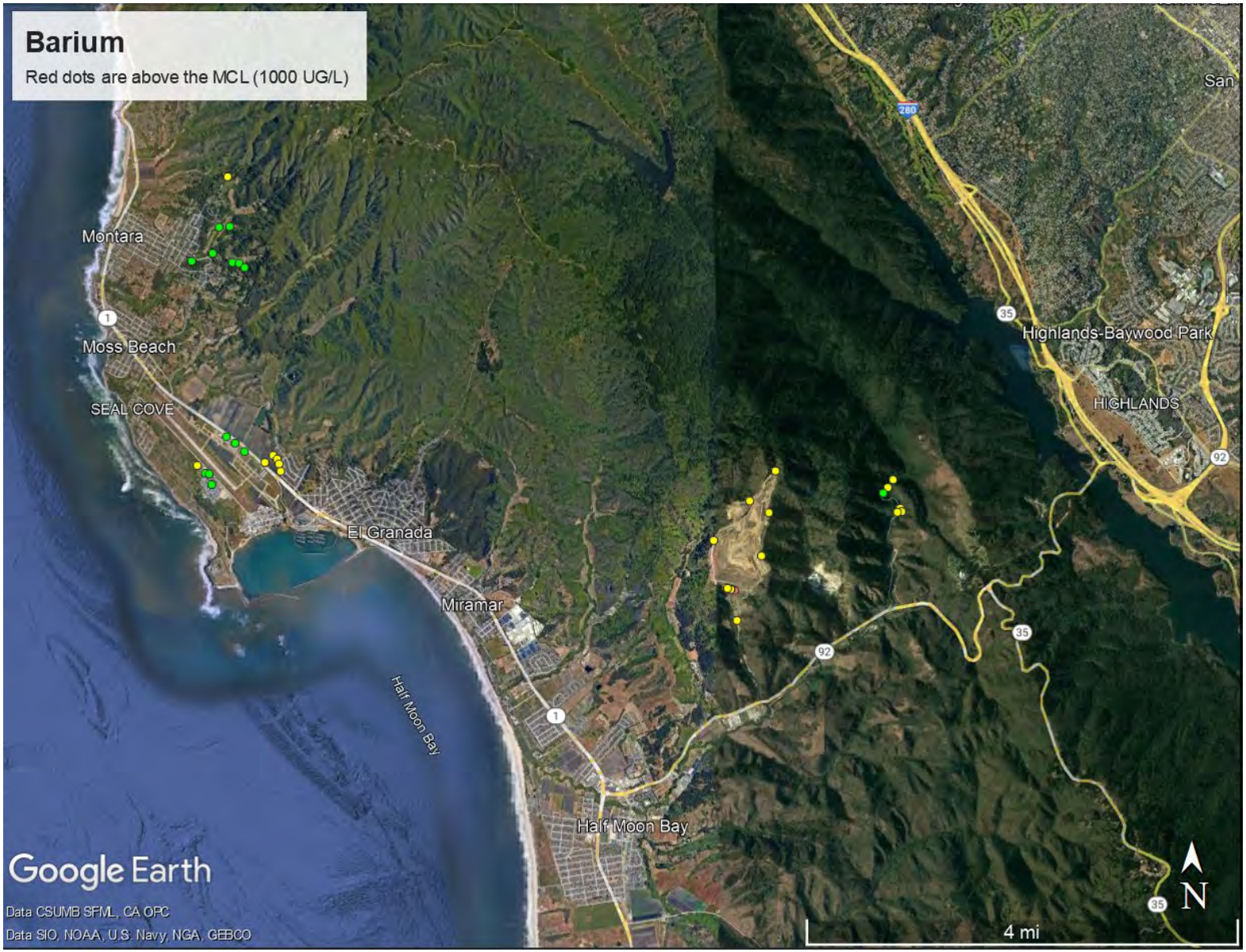
Data to generate these figures was exported from: GAMA, 2023a. GAMA Information System, accessed at: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/.

Figure 1. Distribution of COCs in Groundwater – Aluminum



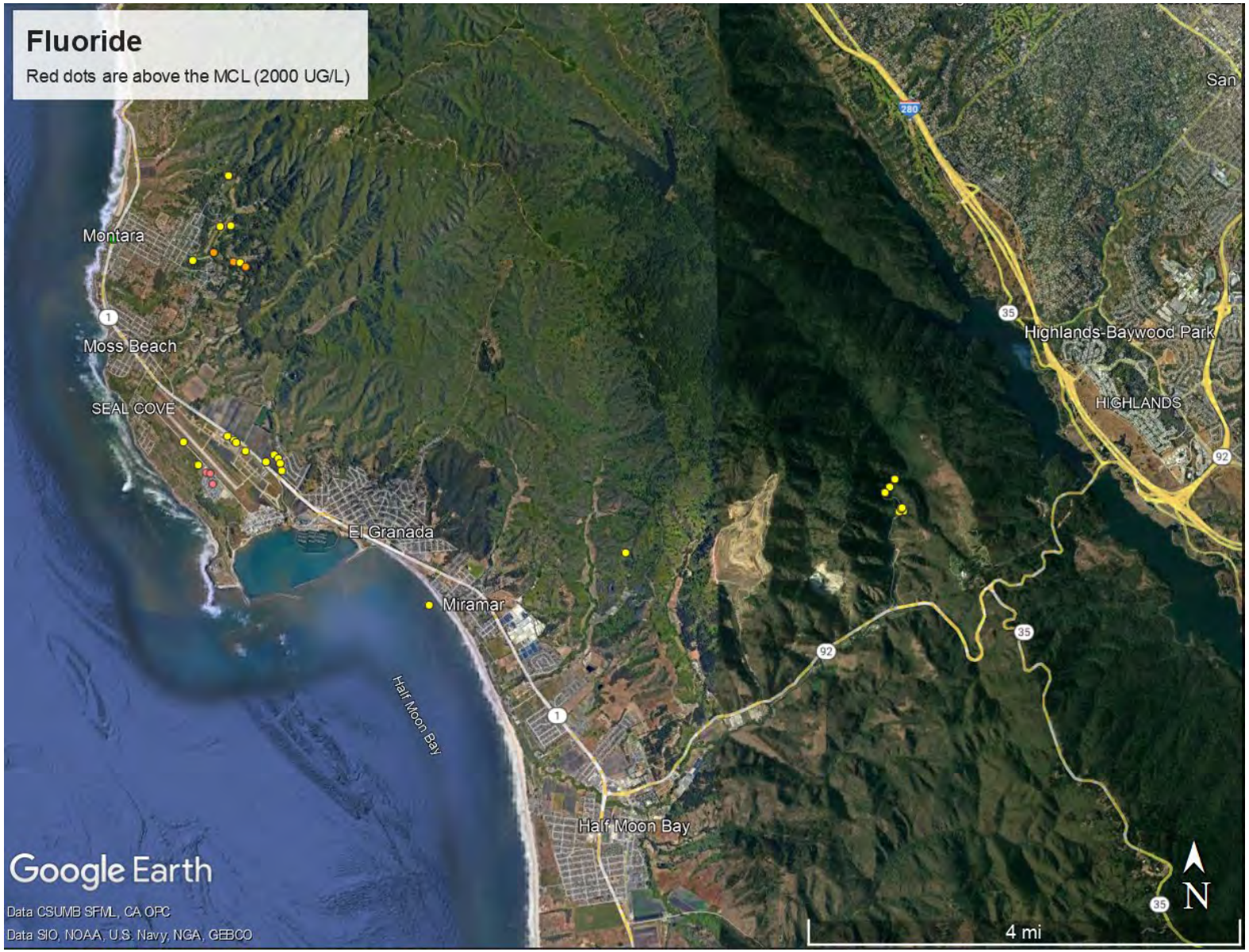
Appendix 3.7. Distribution of Groundwater COCs

Figure 2. Distribution of COCs in Groundwater – Barium



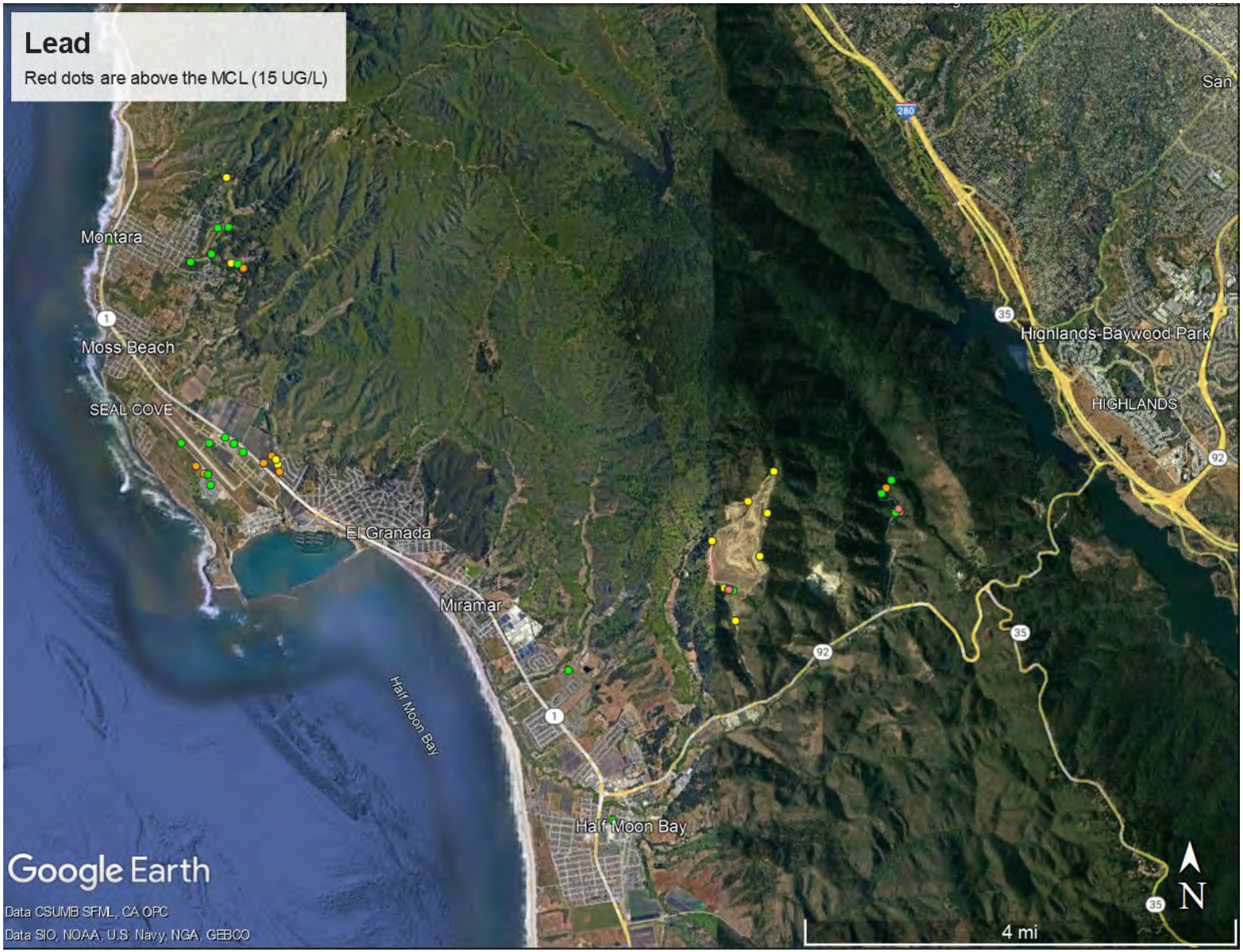
Appendix 3.7. Distribution of Groundwater COCs

Figure 3. Distribution of COCs in Groundwater – Fluoride



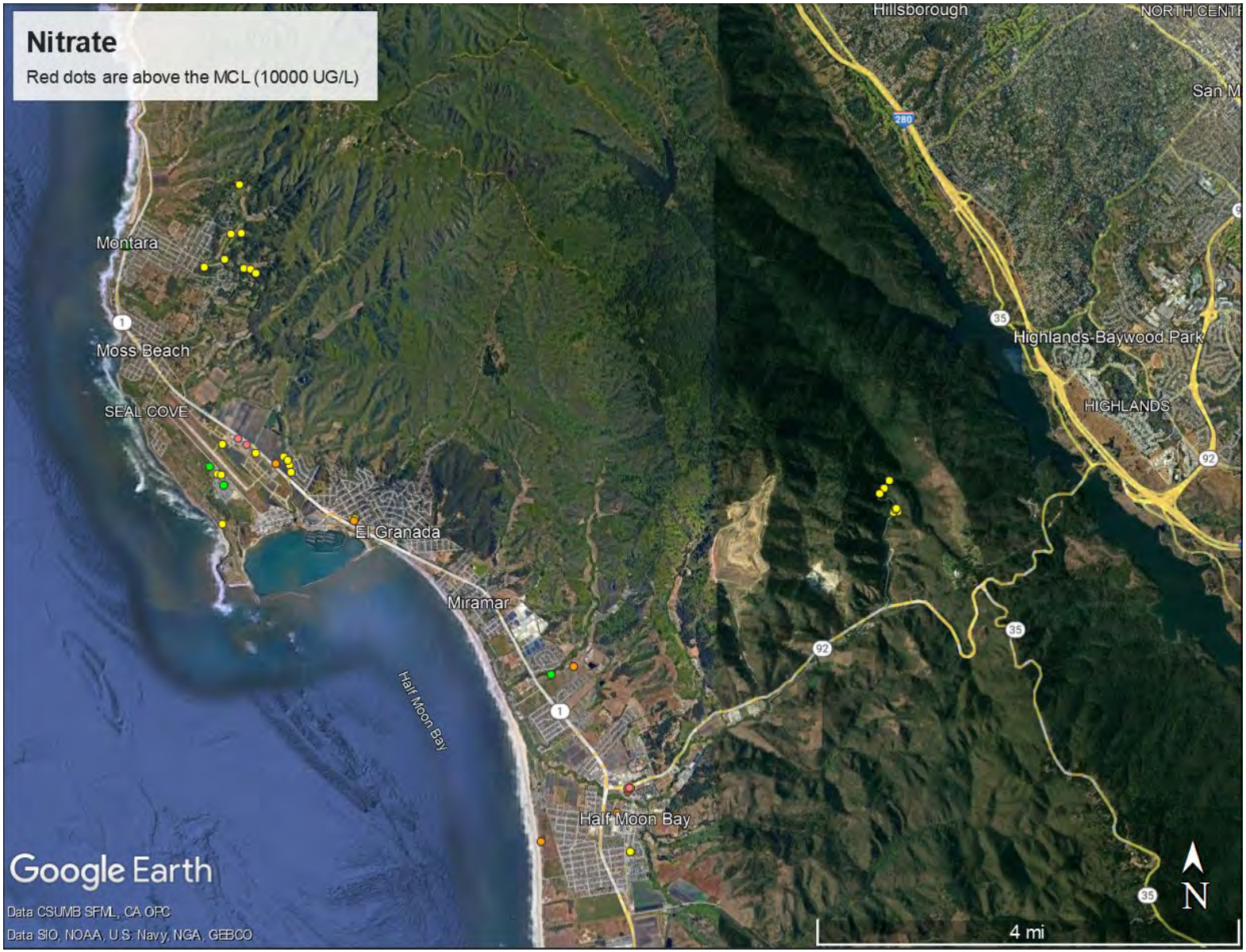
Appendix 3.7. Distribution of Groundwater COCs

Figure 4. Distribution of COCs in Groundwater – Lead



Appendix 3.7. Distribution of Groundwater COCs

Figure 5. Distribution of COCs in Groundwater – Nitrate



Appendix 3.7. Distribution of Groundwater COCs

Figure 6. Distribution of COCs in Groundwater – 1,2,3-TCP

APPENDIX 3.8

Ox Mountain Landfill Documents
(electronic only)

Appendix 3.8 Ox Mountain Landill

Documents from the Ox Mountain Landfill are supplied in electronic format only

Documents can be found here: CCWD Proposed Recycled Water Project

APPENDIX 4.1

Recycled Water Project Permitting Resources

Recycled Water Project Permitting Resources

The following information is not exhaustive and is being provided by the San Francisco Bay Regional Water Quality Control Board as guidance on recycled water project regulatory pathways, code references, and funding sources.

Project Types and Regulatory References

1. **Recycled Water Non-potable Reuse**

   The primary permitting mechanism for recycled water production, distribution, recycled water program administration, and/or uses, such as for a recycled water fill station or agricultural and landscape irrigation, is the State Water Resources Control Board's (State Water Board's) General Water Reclamation Requirements for Recycled Water Use Order WQ 2016-0068-DDW (Recycled Water Order).

   a. Attachment A of the Recycled Water Order includes general instructions on applying for coverage. A California Code of Regulations (CCR) Title 22 (Title 22) Engineering Report is required and must be approved by the Division of Drinking Water. Refer to the Guidelines for the Preparation of an Engineering Report for the Production, Distribution and Use of Recycled Water.

      - Title 22 section 60323 addresses the Engineering Report.

   b. CCR Title 22 contains regulations related to recycled water. Title 22 sections 60303 through 60307 address non-potable recycled water uses.

   c. **Dual plumbed Recycled Water Systems**

      CCR Title 17 and 22 requirements applicable to dual plumbed recycled water systems:

      - Title 22 § 60301.230 defines disinfected tertiary recycled water, which is referenced in conjunction with the definition of filtered wastewater (Title 22 § 60301.320).
      - Title 22 § 60301.250 defines Dual Plumbed System
      - Title 22 § 60313 through 60316 address dual plumbed recycled water systems including project report, design, and operation requirements.
      - Title 17 § 7601 through 7605 addresses backflow prevention requirements including airgap separation and backflow prevention devices.

        Title 17 will be replaced by the State Water Board's Cross-Connection Control Policy Handbook so sharing the link to the draft version although it has not been adopted yet.

        - Draft Cross-Connection Control Policy Handbook, November 2022. State Water Board Cross-Connection Control Policy Handbook website.

2. **Indirect Potable Reuse: Surface Water Augmentation**

   A Surface Water Source Augmentation Project (SWSAP) is a project involving the planned placement of recycled municipal wastewater into a surface water reservoir that is used as a source of domestic drinking water supply, for the purpose of supplementing the source of domestic drinking water supply.

   a. Regulations for SWSAPs are included in CCR Article 5.3 of the Water Recycling Criteria, Title 22, Division 4, Chapter 3.

b. Additional indirect potable reuse surface water augmentation regulations are in Article 9 of CCR Title 22, Division 4, Chapter 17 Surface Water Treatment.

3. **Indirect Potable Reuse: Groundwater Replenishment**

A Groundwater Replenishment Reuse Project (GRRP) is a project involving the planned use of recycled municipal wastewater that is operated for the purpose of replenishing a groundwater basin designated in the Water Quality Control Plan for use as a source of municipal and domestic water supply. There are two types of GRRPs: surface application, where the recharge water is applied to a spreading area, and subsurface application, where the recharge water is applied by other means.

For indirect potable reuse scenarios, we also recommend exploring and reaching out to other projects in the State that have implemented these such as Monterey One Water (Pure Water Monterey Overview | Monterey One Water, CA) and Orange County Water District's Groundwater Replenishment System, the world's largest system for indirect potable reuse (GWRS | OCWD).

a. Regulations for GRRPs are included in Articles 5.1 (surface application) and 5.2 (subsurface application) of the Water Recycling Criteria, Title 22, Division 4, Chapter 3 of the California Code of Regulations.

b. **Prior to operation of GRRP**

- The GRRP's project sponsor shall obtain Division of Drinking Water approval of a plan describing the steps a project sponsor will take to provide an alternative source of drinking water supply to all users of a producing drinking water well.
- A project sponsor shall collect at least four representative samples, at least one sample each quarter, from each affected aquifer.
- A GRRP's recycled municipal wastewater shall be retained underground for a period of time no less than the retention time required pursuant to sections 60320.208 and 60320.224.
- Based on hydrogeologic flowpaths, a GRRP's project sponsor shall provide a map of the GRRP site that indicates the location and boundaries of the GRRP, the boundary representing a zone of controlled drinking water well construction, a secondary boundary representing a zone of potential controlled drinking water well construction, the location of all monitoring wells and drinking water wells within two year travel time of the GRRP based on groundwater flow directions and velocities expected under GRRP operating conditions.
- A project sponsor shall demonstrate that the project sponsor possesses adequate managerial and technical capability to assure compliance.
- A GRRP's project sponsor shall demonstrate that all treatment processes have been installed and can be operated to achieve their intended function.
- The engineering report shall include a hydrogeological assessment of the proposed GRRP's setting.

c. **GRRP Treatment and Design**

- Full advanced treatment including using a reverse osmosis treatment process meeting the requirements of section 60320.201.

- The recycled municipal wastewater used as recharge water for a GRRP receives treatment that achieves at least 12-log enteric virus reduction, 10-log Giardia cyst reduction, and 10-log Cryptosporidium oocyst reduction. The treatment train shall consist of at least three separate treatment processes.
    - The project sponsor shall validate each of the treatment processes used to meet the log requirements.
- The project sponsor must demonstrate the retention time underground by a tracer study.
- A Title 22 Engineering Report must be approved by the Division of Drinking Water.

d. **Source Control**

- The wastewater management agency supplying the water for a GRRP must administer an industrial pretreatment and pollutant source control program (and see other specific source control program requirements listed in section 60320.206).

4. **Surface Water Discharge - NPDES Program**

Discharges of recycled water to surface water requires an individual National Pollutant Discharge Elimination System (NPDES) permit. An individual NPDES permit application includes a complete State Application Form 200 and Federal Application Forms 1 and 2 and the fee per the Water Quality Fee Schedule. Additional information on applying for an NPDES permit is accessible online.

5. **Direct Potable Reuse**

The State Water Board is currently developing regulations for Direct Potable Reuse. This is in progress and additional information, including the text of the proposed regulations is accessible online at Direct Potable Reuse | California State Water Resources Control Board

Recycled Water Project Funding Resources

- Federal Water Reuse Infrastructure Funding Programs
- Water Infrastructure Finance and Innovation Act (WIFIA) funding provided through the U.S. Environmental Protection Agency
- Title XVI of Public Law 102-575 provided through the U.S. Department of the Interior, Bureau of Reclamation
- State Water Resources Control Board Water Recycling Funding Program:
    - Clean Water State Revolving Fund (SRF)
    - Proposition 1
    - Proposition 13
    - Proposition 68
- State Water Board's Guidance on Finding Funding for Public and Private Sanitary Wastewater Systems
- CA Department of Water Resources