Five-Year
Water Quality and Supply Plan

Main San Gabriel Basin
WATERMASTER

2017–18 to 2021–22

DRAFT

"To assure that pumping does not lead to further degradation of water quality in the Basin, a Five-Year Water Quality and Supply Plan must be prepared and updated annually by Watermaster..."

Section 28 of Watermaster's Rules and Regulations

Cover photo of the Ira J. Chrisman Wind Gap Pumping Plant, which is part of the California Aqueduct that delivers imported water to the Basin. Photo is courtesy of California Department of Water Resources.

Five-Year Water Quality and Supply Plan

November 2017

MainSanGabrielBasin WATERMASTER

Telephone (626) 815-1300 • Fax (626) 815-1303
725 North Azusa Avenue • Azusa, California 91702
www.watermaster.org

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INTRODUCTION

Watermaster prepares and annually updates this Five-Year Water Quality and Supply Plan (Five-Year Plan) in accordance with the requirements of Section 28 of its Rules and Regulations. The objective is to coordinate groundwater-related activities so that both water supply and water quality in the Main San Gabriel Basin (Basin) are protected and improved.

PURPOSE OF THE FIVE-YEAR PLAN

Many important issues are detailed in the Five-Year Plan, including Watermaster's plans to:

1. monitor groundwater supply and quality;
2. develop projections of future groundwater supply and quality;
3. ensure adequate supplemental water is available for groundwater replenishment;
4. review and cooperate on cleanup projects, and provide technical assistance to other agencies;
5. assure that pumping does not lead to further degradation of water quality in the Basin;
6. address emerging contaminants in the Basin;
7. develop a cleanup and water supply program consistent with the U.S. Environmental Protection Agency (USEPA) plans for its San Gabriel Basin Superfund sites; and
8. continue to perform responsibilities under the Baldwin Park Operable Unit (BPOU) Project Agreement relating to project administration and performance evaluation.

WATERMASTER BACKGROUND

The Los Angeles County Superior Court created the Main San Gabriel Basin Watermaster in 1973 to resolve water issues that had arisen among water users in the San Gabriel Valley. Watermaster's mission was to generally manage the water supply of the Main San Gabriel Groundwater Basin.

During the late 1970s and early 1980s, significant groundwater contamination was discovered in the Basin. The contamination was caused in part by past practices of local industries that had inappropriately disposed of industrial solvents, as well as by infiltration of nitrates from an earlier agricultural period. Cleanup efforts for industrial contamination were undertaken at the local, state, and federal levels.

WATERMASTER RECEIVES WATER QUALITY RESPONSIBILITIES

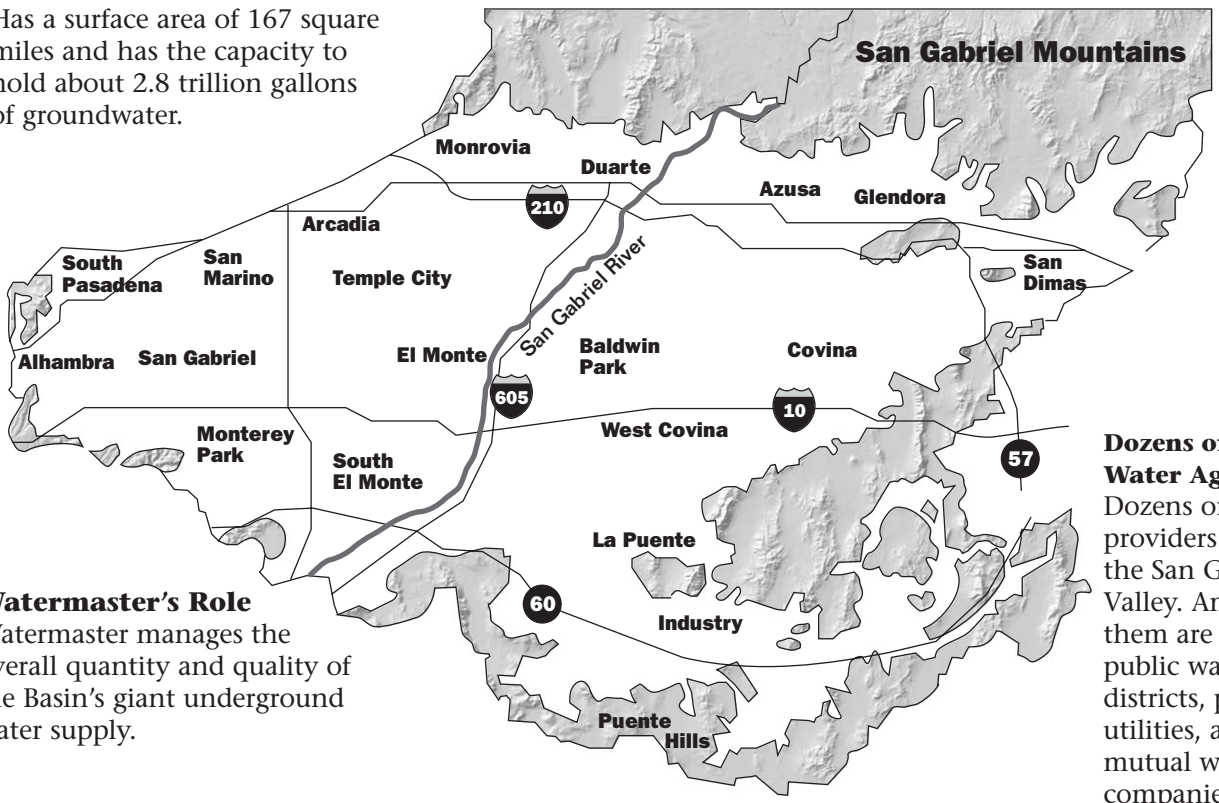
By 1989, local water agencies adopted a joint resolution concerning water quality issues, which stated that Watermaster should coordinate local activities aimed at preserving and restoring the quality of groundwater in the Basin. The joint resolution also called for a cleanup plan.

In 1991, the Los Angeles County Superior Court granted Watermaster the authority to control pumping for water quality purposes. Accordingly, Watermaster added Section 28 to its Rules and Regulations regarding water quality management. The new responsibilities included: developing this Five-Year Water Quality and Supply Plan; updating it annually, and submitting it to the California Regional Water Quality Control Board Los Angeles Region (Regional Board); and making it available for public review by November 1 of each year.

Figure 1. AREA COVERED BY MAIN SAN GABRIEL BASIN

Precious Underground Water Supply
Provides up to 90 billion gallons of groundwater annually, enough to meet 80 percent or more of San Gabriel Valley's 1.4 million residents' demand for water.

2.8 Trillion Gallons
Has a surface area of 167 square miles and has the capacity to hold about 2.8 trillion gallons of groundwater.



Watermaster's Role
Watermaster manages the overall quantity and quality of the Basin's giant underground water supply.

Dozens of Water Agencies
Dozens of water providers serve the San Gabriel Valley. Among them are cities, public water districts, private utilities, and mutual water companies.

CURRENT WATER SUPPLY CONDITIONS

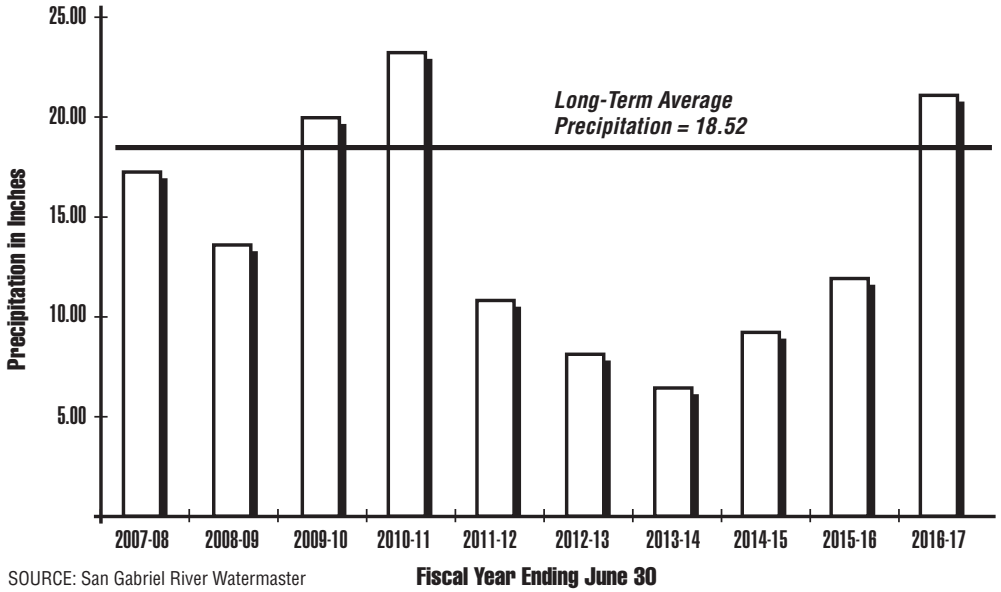
Rainfall in the San Gabriel Valley was well below average during a five-year drought which encompassed the period from fiscal year 2011-12 to 2015-16. Although rainfall during fiscal year 2016-17 was about 110 percent of average, replenishment of storm runoff was about 65 percent of average due to the San Gabriel River watershed infiltrating much of the rainfall before it could flow into rivers or channels. In a concerted effort to off-set the lack of storm water runoff, during fiscal year 2016-17 Watermaster and local Producers coordinated the delivery of about 76,000 acre-feet of untreated imported water for groundwater replenishment. In addition, groundwater production totaled about 184,400 acre-feet, which is the second lowest amount since the creation of Watermaster. As a result of below average groundwater production and significant untreated imported water deliveries, the groundwater level increased by about five feet during fiscal year 2016-17.

WATER SUPPLY INFLOWS DURING 2016-17

VALLEY RECEIVES ABOVE-AVERAGE RAINFALL

In 2016-17 the San Gabriel Valley received about 21 inches of rain, which is about 110 percent of the long-term average of 18.52 inches.

Figure 2. RAINFALL ABOVE LONG-TERM AVERAGE



SOURCE: San Gabriel River Watermaster

The long-term average rainfall is 18.52 inches. The rainfall total is made up of an average taken from four stations located in San Dimas, Diamond Bar, El Monte and Pasadena.

LOCAL STORMWATER CAPTURE 65 PERCENT OF LONG-TERM AVERAGE

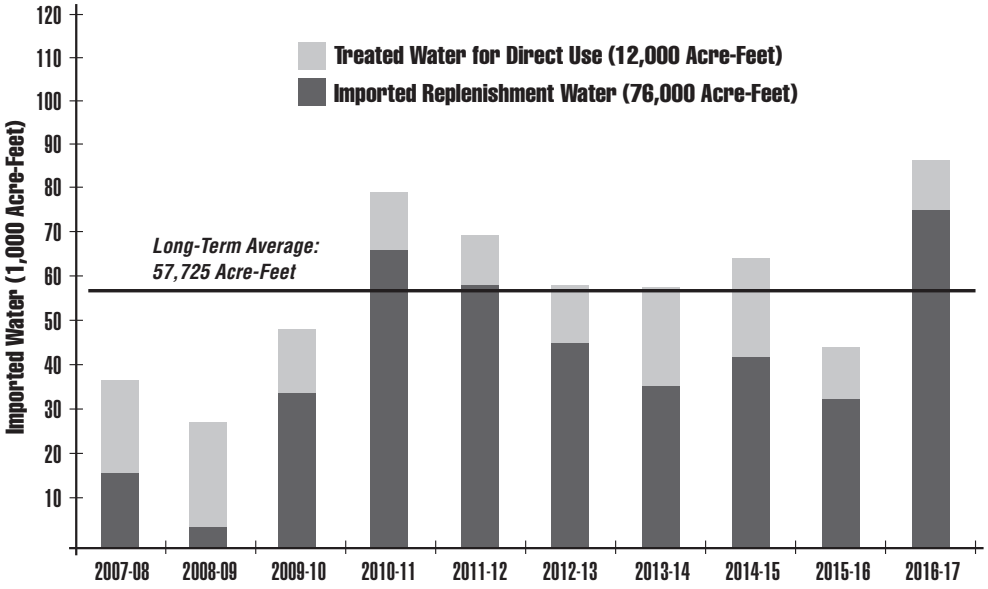
Fiscal year 2015-16 was the fifth consecutive year of below average rainfall. However, during fiscal year 2016-17, rainfall was about 110 percent of average. As a result of

five years of drought conditions, the San Gabriel River watershed was very dry; consequently, the rainfall contributed to storm water capture of about 69,000 acre-feet, which is about 65 percent of the long-term average. In addition, as of the end of the fiscal year (June 30, 2017), about 47,000 acre-feet of local storm runoff remained in storage in reservoirs in the San Gabriel Canyon. About 15,000 acre-feet will be delivered to Central Basin. That will leave about 19,000 acre-feet of water for groundwater replenishment – representing a potential 2.5-foot benefit to the Basin and off-set lowering groundwater levels due to pumping within the Basin. Typically, about 13,000 acre-feet remains in reservoirs at the beginning of the storm season in October.

LOCAL WATER USE SIGNIFICANTLY BELOW AVERAGE

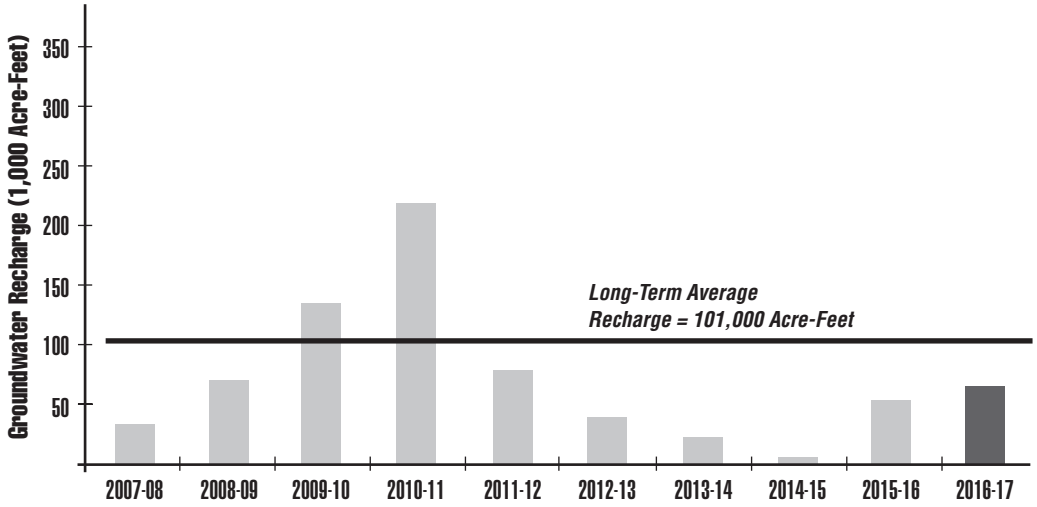
Total water use within the San Gabriel Valley consists of groundwater production, surface water diversions, treated imported water deliveries, and recycled water for irrigation projects. During the previous fiscal year 2015-16, total water use was about 201,800 acre-feet. During fiscal year 2016-17, total water use was about 214,000 acre-feet, consisting of about 184,000 acre-feet of groundwater production, 13,000 acre-feet of treated local surface water, 12,000 acre-feet of treated imported water, and 5,000 acre-feet of recycled water. In recent years, Watermaster has worked with stakeholders to promote retail water conservation, and water use has decreased due to a greater awareness by consumers of the drought conditions and increased water conservation by those consumers. Total water use during fiscal year 2016-17 is about 16 percent lower than the recent 10-year average of about 256,000 acre-feet, and also about 20 percent lower than fiscal year 2013-14, which precedes the Governor's declaration for mandated water conservation.

Figure 3. IMPORTED WATER DELIVERIES ABOVE LONG-TERM AVERAGE



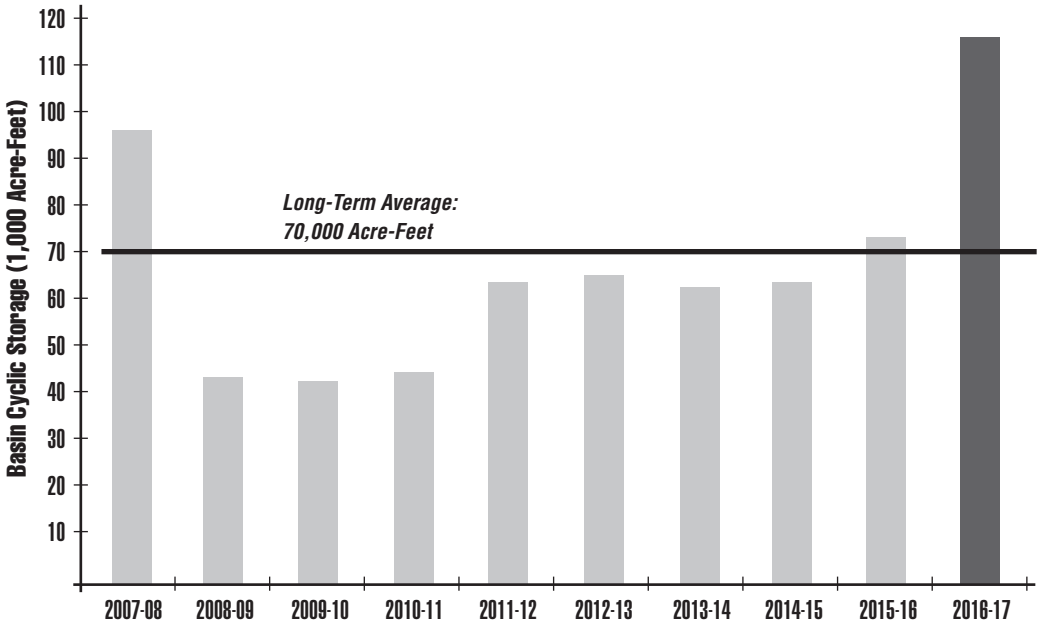
2016-17 Imported Water. Imported water deliveries (treated and untreated) totaled about 88,000 acre-feet for direct use and groundwater replenishment. This is 50 percent higher than the recent 10-year average.

Figure 4. LOCAL WATER CONSERVED ABOUT 65% OF AVERAGE



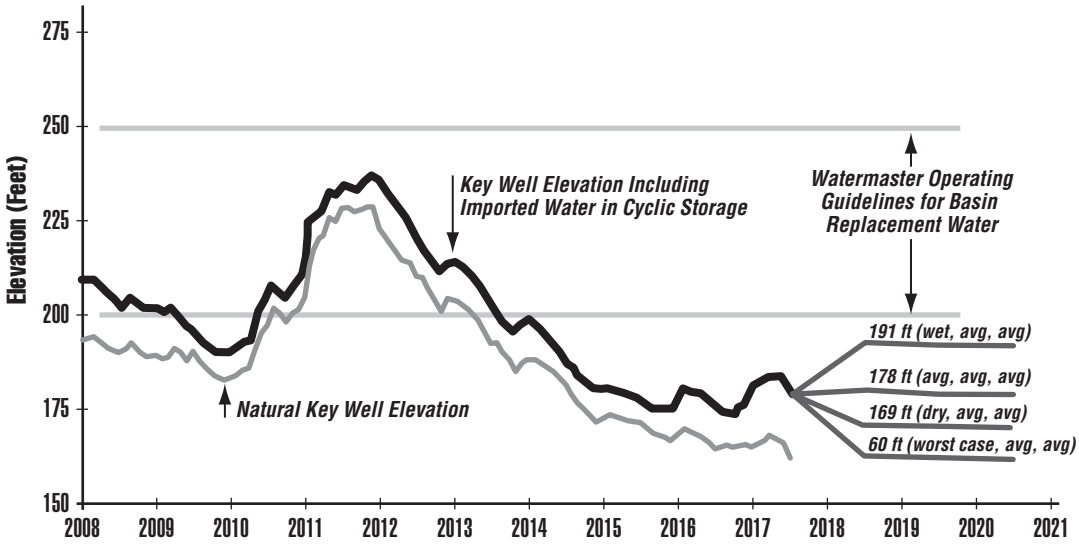
Approximately 69,000 acre-feet of local water was conserved during 2016-17, which is about 65 percent of the long-term average of 101,000 acre-feet.

Figure 5. CYCLIC STORAGE INCREASED



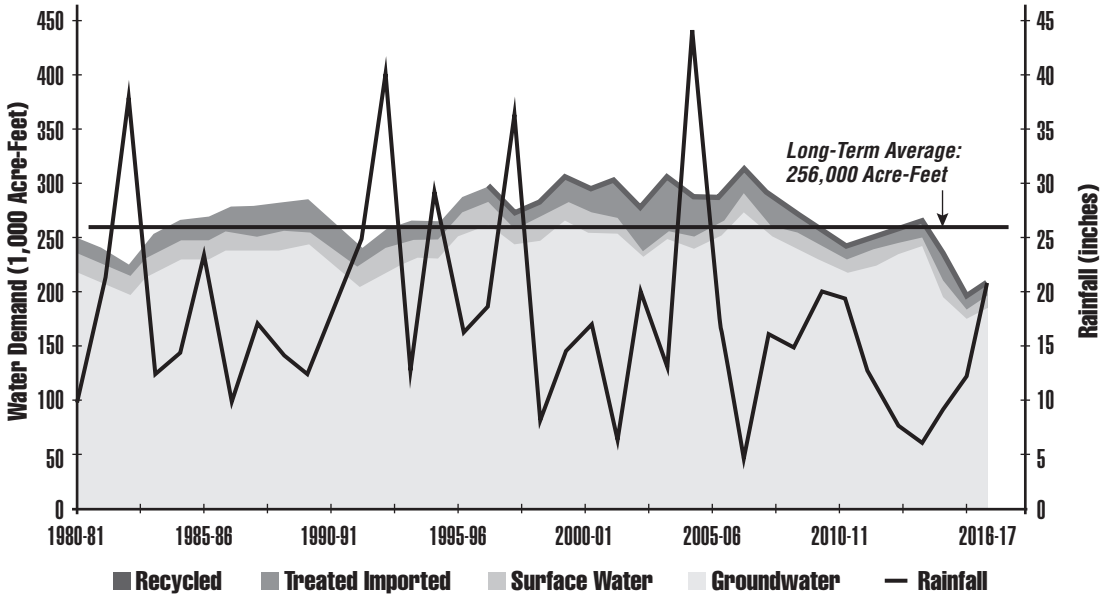
As of June 30, 2017, a total of about 117,000 acre-feet was in Cyclic Storage, consisting of about 14,000 acre-feet of Three Valleys Municipal Water District, about 9,000 acre-feet of San Gabriel Valley Municipal Water District, about 7,000 acre-feet of Upper San Gabriel Valley Municipal Water District, about 9,000 acre-feet of Watermaster, about 51,000 acre-feet of Producer, about 13,000 acre-feet in Water Resource Development storage, and about 14,000 acre-feet of Puente Basin Water Agency cyclic storage. Cyclic Storage, as of June 30, 2017, has increased by about 45,000 acre-feet since the end of fiscal year 2015-16. The long-term average annual storage is about 70,000 acre-feet.

Figure 6. CYCLIC STORAGE AND RAINFALL IMPACTS ON KEY WELL



The additional water provided by cyclic storage (shown with the black line) helps local agencies meet their future replacement water obligations. This graph also forecasts Key Well elevations for four scenarios: upcoming: wet years, average years, dry years, and drier years.

FIGURE 7. TOTAL WATER DEMAND INCREASED



Long-term average water demand is about 256,000 acre-feet. During fiscal year 2016-17, the total demand was about 214,000 acre-feet, made up of groundwater (184,000 acre-feet), surface water (13,000 acre-feet), imported treated water (12,000 acre-feet), and recycled water (5,000 acre-feet).

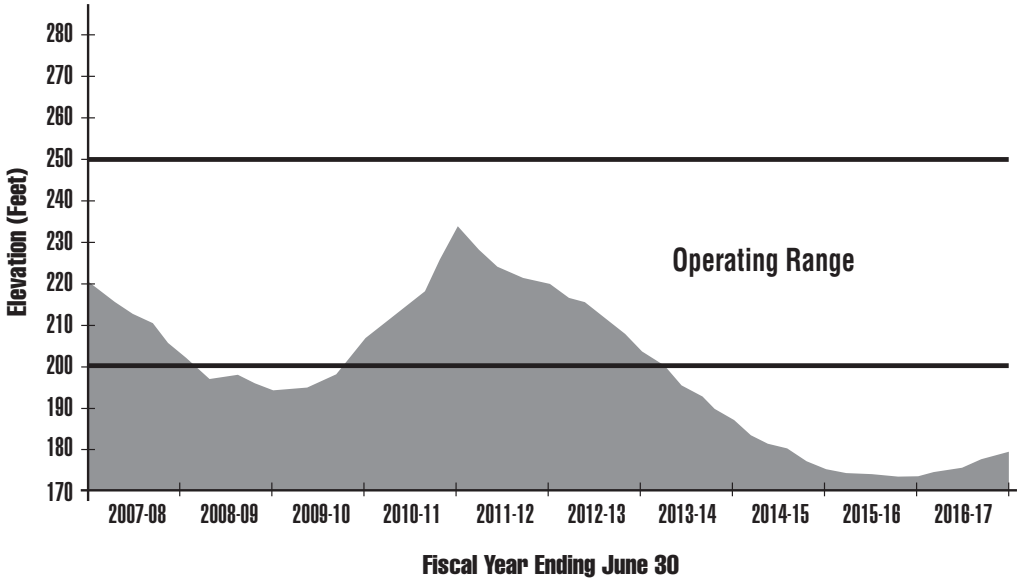
OPERATING SAFE YIELD

Main San Gabriel Basin Watermaster annually establishes an Operating Safe Yield (OSY), which is based on prevailing hydrologic conditions in the San Gabriel Valley. Production in excess of the OSY is subject to an assessment that is used to purchase untreated imported water to replenish the Basin. Production in excess of water rights during fiscal year 2016-17 was about 31,500 acre-feet, which is about 15 percent lower than the long-term average of about 37,000 acre-feet. Watermaster aggressively responded to the decreasing trend of the groundwater level at the Key Well during fiscal year 2016-17 by establishing an OSY of 150,000 acre-feet for fiscal year 2017-18 (identical to the OSY for fiscal year 2016-17 and about 45,000 acre-feet below the long-term average of about 195,000 acre-feet). The reduced OSY provides Watermaster with a mechanism to purchase additional replenishment supplies for the Basin. During fiscal year 2016-17, the OSY was set using a management approach that seeks to set the OSY within a narrower range than previously. This is part of the overall effort to manage the Basin in a way that makes the water supply more stable, and costs more predictable, in both wet and dry years.

KEY WELL BELOW OPERATING RANGE

The Baldwin Park Key Well is used as the benchmark for determining how the groundwater supply for the entire Basin is trending. Pursuant to the Judgment, Watermaster manages the Basin to maintain the groundwater level at the Key Well between 200 feet and 250 feet, to the extent possible. Five consecutive years of below-average rainfall, below average stormwater runoff, and local groundwater production resulted in a decrease in the groundwater elevation at the Key Well to 173.6 feet, as of June 30, 2016. However, the recent decrease of the groundwater elevation at the Baldwin Park Key Well was only about four feet between July 1, 2015 and July 1, 2016. This was largely the result of delivery of about 31,000 acre-feet of untreated imported water and historic low groundwater production of about 174,000 acre-feet (compared to the long-term average of about 235,000 acre-feet). This level was about 26 feet below the “low” end of the operating range for Watermaster, and represented a new historic low groundwater elevation at the Key Well. During fiscal year 2016-17, rainfall was about 110 percent of average while storm water runoff was about 65 percent of average. However, Watermaster coordinated with Producers and the Responsible Agencies to have about 76,000 acre-feet of untreated imported water delivered to the Basin. Furthermore, groundwater production was about 184,000 acre-feet, which is second lowest production since inception of Watermaster management. Collectively, these actions resulted in a Key Well elevation of 179.4 feet, as of June 30, 2017. Although this elevation is about 21 feet below the “low” end of the operating range for Watermaster, it represents a five-foot increase from the prior year.

Figure 8. KEY WELL ELEVATIONS DURING THE LAST TEN YEARS



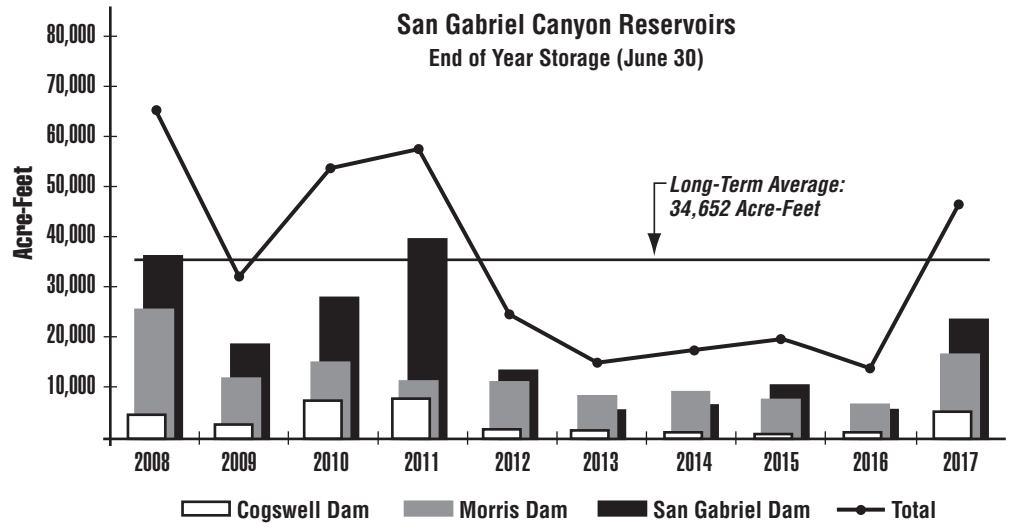
The groundwater elevation at the Key Well on June 30, 2017, was about 179.4 feet, which is below the Basin's operating range of 200 to 250 feet.

INCREASE IN WATER STORED IN CANYON RESERVOIRS

Cogswell, San Gabriel, and Morris reservoirs have a combined maximum storage capacity of about 85,000 acre-feet. At the end of the 2016-17 fiscal year, about 47,000 acre-feet of water was stored in these reservoirs. This is about 33,000 acre-feet more than the previous year, representing about 135 percent of the long-term average of about 35,000 acre-feet of water in storage at the end of the fiscal year, but only about 55 percent of total reservoir capacity. In addition, about 69,000 acre-feet of local runoff was recharged into the groundwater basin during fiscal year 2016-17.

Figure 9. WATER STORED IN SAN GABRIEL CANYON RESERVOIRS

Total water stored in San Gabriel Canyon Reservoirs at the end of the fiscal year was 47,000 acre-feet, about 135 percent of the long-term average.



INCREASED BASIN REPLENISHMENT ACTIVITIES

Historical Basin management practices encouraged Producers to maximize groundwater production instead of relying on treated imported water to address water demands in excess of Producer's water rights. Under normal conditions, Watermaster quantifies groundwater production in excess of Producers' water rights, and arranges to have an equal amount of untreated imported water delivered to replenish the overproduction from the Basin at a "Full Service" untreated water rate. However, in response to the recent drought, Watermaster has implemented wide-ranging, additional new tools to more intensely manage Basin groundwater supplies, refill the Basin, and ensure long-term water supply reliability.

IMPLEMENTATION OF WATER RESOURCE DEVELOPMENT ASSESSMENT PROGRAM

Watermaster adopted Resolution No. 05-14-263, which established a Water Resource Development Assessment (RDA), that was applied to all production during fiscal year 2014-15 and 2015-16. The purpose of the RDA is to establish a fund from which untreated imported water may be purchased and delivered to the Basin. It is intended to create a "reservoir" of water that is available to assist in the management of the Basin in the event untreated water is not available in the future as a result of a short-term Statewide emergency. As a result of the severe 5-year drought, resulting in significant reductions of the quantity of local water replenishment to the Basin, during fiscal year 2016-17 Watermaster expanded the Supplement Water Reliability Program (RDA) into the Supplemental Water Stormwater Augmentation Program (RDA II), using the Water Resources Development Assessment described below.

Watermaster developed the Supplemental Water Stormwater Augmentation Program to help manage Basin water supplies under a perceived "worst case" hydrologic conditions, which is assumed to be two more consecutive 5-year droughts, using the same hydrologic conditions as the recent fiscal years 2011-12 through 2015-16 severe drought (total of 15 years of drought). The new Program is intended to purchase imported replenishment water, for stormwater augmentation, to maintain the Key Well elevation above 180 feet by the end of the tenth year, using Water Resource Development Assessment funds (RDA II). A stabilized Key Well elevation essentially ensures continued Basin water supply to the Basin Producers under the perceived worst case, 15-year sustained drought. The RDA II Program has an initial RDA II assessment of $40 per acre-foot on all fiscal year 2016-17 production and is planned to increase to $175 per acre-foot on all fiscal year 2020-21 production. Watermaster will use the RDA II funds to purchase untreated imported water to replenish the Basin for the "general benefit" of all Producers within the Basin. Unlike the original RDA (Supplemental Water Replenishment Storage Program), which is a Watermaster pre-purchase of Replacement Water, the RDA II water will supplement local stormwater replenishment, and have "no right of recovery" using a water right, by any Basin Producer.

PROACTIVE MEASURES TO INCREASE CYCLIC STORAGE

Watermaster and Producers recognized that prolonged drought conditions will adversely impact untreated imported water availability. Consequently, Watermaster took proactive measures to increase Producer Cyclic Storage from about 15,000 acre-feet as of the end of June 2010 to 51,000 acre-feet as of June 2017. In addition, Watermaster, along with the three municipal water districts, collectively have an additional 39,000 acre-feet of imported water in Cyclic Storage, which can be made available for Basin Management. In response to five consecutive years of drought conditions, MWD implemented a "Water Supply Allocation Program" (WSAP) during fiscal year 2015-16. The WSAP provided an untreated imported water allocation to Upper District of about 25,000 acre-feet and about 4,000 acre-feet to Three Valleys District. Additional untreated imported water requirements, which may be incurred may be deducted from pre-deliveries made by Watermaster and Producers to Cyclic Storage accounts. As a result of significant precipitation in northern California during the first half of calendar year 2016, MWD suspended the WSAP for fiscal year 2016-17.

ACTIVELY PURSUING NEW REPLENISHMENT METHODS

In addition to those Programs noted above, Watermaster is actively pursuing alternative means of Basin replenishment including:

RETAIL WATER CONSERVATION

Watermaster is working with stakeholders across the Basin to encourage consumer-based conservation efforts to reduce groundwater production, which results in in-lieu Basin replenishment.

ALTERNATIVE SUPPLEMENTAL SUPPLIES

Watermaster and Upper District have entered into an agreement with MWD to have 80,000 acre-feet of untreated imported water replenished In the Basin during calendar year 2017. Watermaster will then use RDA II funds to purchase 16,000 acre-feet per year over the next five consecutive years. The agreement enables the Basin groundwater supplies to be enhanced while providing a regional benefit to MWD.

RECYCLED WATER

Watermaster is working with Sanitation Districts of Los Angeles County, Upper San Gabriel Valley Municipal Water District, and others to pursue a firm supply of treated recycled water for Basin replenishment.

INCREASE RECHARGE

Watermaster is working with a range of stakeholders to implement tighter coordination and management to allow replenishment of imported water even during rainy periods, and finding new opportunities to deliver imported water for Basin replenishment.

MORE FLEXIBLE FINANCIAL TOOLS

Watermaster has instituted use of new, more flexible financial tools to increase water imports, such as pre-purchase of water, and is evaluating others, including mid-year assessments.

DEVELOPING AND IMPLEMENTING STORAGE AND EXPORT PROGRAMS

Watermaster has developed criteria for new water storage and export programs and implemented them for the first time in 2015. These Programs will continue in future years.

PROJECTED GROUNDWATER DEMANDS

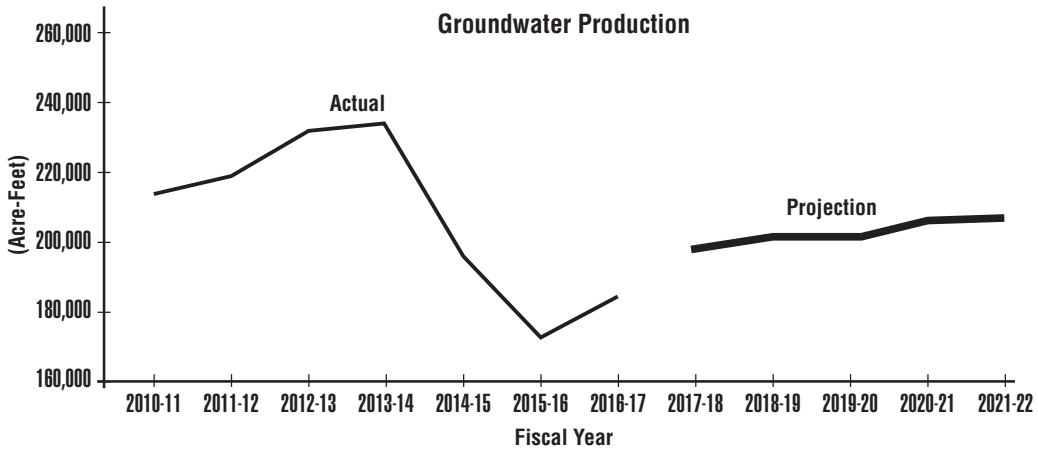
PRODUCER ESTIMATES

Section 28 directs each Producer to submit a report to Watermaster detailing its projected water demands and water production requirements over the following five years. Projections were received from 16 Producers (all municipal water suppliers), accounting for about 70 percent of the groundwater production from the Basin.

For those Producers who did not submit projections, Watermaster provided an estimate based on the assumption that each Producer had an aggregate projected growth rate that was the same as those Producers who did submit projections. Projected groundwater production is shown in Appendix A. Figure 10 shows the total projected and historical groundwater production from the Basin since 2010-11.

Figure 10. PROJECTED AND HISTORICAL WATER PRODUCTION

Water production has increased over the prior year, but Is lower than the long-term average due In part to consumer water conservation.



Total groundwater production for the 2016-17 fiscal year from the Basin was 184,400 acre feet, which is higher than the previous year's production of 173,800 acre-feet, but significantly lower than the 10-year average of 222,000 acre-feet. The decrease in groundwater production over time, as illustrated in Figure 7, is primarily the result of increased water conservation at the consumer level. Groundwater production is influenced by a variety of conditions, including population, seasonal precipitation, groundwater contamination, and availability of surface water. Excluding the impacts of seasonal precipitation, groundwater production had experienced a gradual long-term increase, consistent with increasing population, as shown on Figure 7. The impacts of groundwater contamination during the 1980s and 1990s resulted in reduced groundwater production, offset by an equal increase of treated imported water purchases. Since the late 1990's groundwater production and treatment facilities have become operational, enabling water purveyors to resume use of groundwater. However, since the late-2000s, there has been a significant decrease in groundwater (and overall) demand, which is likely the result of increased water conservation by consumers.

UPGRADE OF GROUNDWATER MODEL

The long-used and highly effective 2D groundwater model is being updated in a multi-year process. It will provide advanced capabilities for identifying existing conditions, designing programs and testing outcomes. It will be useful for virtually every aspect of Basin management, from recycled water development, to water quality evaluations, to well performance analysis and more.

CURRENT WATER QUALITY CONDITIONS

Groundwater delivered to customers continues to be of high quality and always meets state and federal drinking water standards. However, a number of contaminants in areas of the Basin require careful monitoring and treatment before the water is served for domestic use. These contaminants include a variety of industrial solvents referred to as Volatile Organic Compounds, or VOCs. Another common contaminant found in the Basin is nitrate, primarily from fertilizers used during the Valley's agricultural period. Since 1997, additional contaminants have been detected: perchlorate, a solid rocket fuel ingredient; N-nitrosodimethylamine (NDMA), associated with liquid rocket fuel; 1,2,3-trichloropropane (1,2,3-TCP), a degreasing agent; and 1,4-dioxane, a stabilizer for chlorinated solvents.

Since the early 1990s, over 1.4 million acre-feet of contaminated groundwater has been treated for beneficial use.

In response to the detection of these contaminants, Watermaster and local water entities aggressively pursued construction of treatment facilities to control the spread of contaminants, and continue providing high quality water to consumers, which meets all state and federal drinking water standards. This policy of remediation and reuse both preserves a valuable resource, particularly in the midst of the current drought, and reduces the overall cost of groundwater cleanup. Initially, a number of VOC treatment facilities were constructed, while excessive nitrate concentrations were blended with higher quality water to acceptable levels. Since the detection of perchlorate, NDMA, 1,2,3-TCP, and 1,4-dioxane, Watermaster has been instrumental in the successful operation of treatment facilities to treat those contaminants.

While only present in limited parts of the Basin, these chemicals pose difficult challenges to water Producers. When the chemicals were initially detected, Watermaster responded vigorously by working closely with the local water community to sponsor research, as well as to design, fund, and construct cleanup projects as rapidly as possible rather than wait for the USEPA and the firms named as responsible for the contamination. Watermaster subsequently led negotiations that resulted in the Baldwin Park Operable Unit (BPOU) Project Agreement, including reimbursement for groundwater cleanup costs from certain parties responsible for the contamination. Under the BPOU Agreement, Watermaster is responsible for overall project coordination and administration, groundwater monitoring, and compliance with USEPA reporting requirements. Watermaster also participates in decisions regarding technology selection, construction, and operations. Now that all of the BPOU treatment facilities are operational, Watermaster also monitors the BPOU project's performance in containing and removing contamination.

In addition, cleanup activities with the BPOU, Watermaster coordinates and maintains records on groundwater cleanup efforts within the Puente Valley Operable Unit (PVOU), the El Monte Operable Unit (EMOU), South El Monte Operable Unit (SEMOU), and the Area 3 Operable Unit (Area 3 OU). The location of these Operable Units is shown on Figure 11.

PRIMARY CONTAMINANTS IN THE GROUNDWATER BASIN

VOLATILE ORGANIC COMPOUNDS AND NITRATES

VOCs and nitrates are the most prevalent contaminants found in the Basin. Intensive monitoring and research concerning these two types of contaminants have been underway for many years. The location of VOC contamination and cleanup methods for VOCs are generally well understood; during fiscal year 2016-17, 33 plants treated about 24.5 billion gallons (about 75,200 acre-feet), as shown in Appendix E, of VOC-contaminated water. Note in Figure 12 that although VOC contamination is substantial, it is centered in just a few areas, leaving a large portion of the Basin unaffected. Water containing nitrates above the Maximum Contaminant Level (MCL) is either blended with other low nitrate sources of water or not used. Figure 13 indicates that nitrates, similar to VOCs, are centered in a few areas and have the highest concentrations in the eastern portion of the Basin, away from the most productive pumping areas.

PERCHLORATE

In January 2002, the State Water Resources Control Board, Division of Drinking Water (DDW) formerly the California Department of Public Health (CDPH), and prior to that the California Department of Health Services, lowered the Notification Level (NL) for perchlorate from 18 to 4 parts per billion, and a total of 22 wells were removed from service due to unacceptable levels of perchlorate. DDW subsequently raised the NL to 6 parts per billion in March 2004 and later established an MCL of 6 parts per billion during October 2007. Watermaster played a key role in development of the first treatment facility to remove perchlorate from drinking water. On February 27, 2015, the Office of Environmental Health Hazard Assessment (OEHHA) published an updated Public Health Goal (PHG) of 1 part per billion for perchlorate in drinking water. Once OEHHA establishes or revises a PHG for a contaminant with an MCL, a determination will be made by DDW as to whether the MCL should be considered for possible revision. In anticipation of a possible revision to the perchlorate MCL, Watermaster coordinated with Producers to conduct "low-level" detection sampling for perchlorate, using a laboratory detection level of 0.1 part per billion, which allowed for detection of perchlorate below the current detection level of 4 parts per billion. Ion-exchange technology treatment facilities were operational at five sites in the BPOU and at two facilities in other parts of the Basin during fiscal year 2016-17.

NDMA

During 1998, eight local wells were found to contain levels of NDMA above the NL at that time of 2 parts per trillion. Five of the wells with measurable levels of NDMA had already been taken out of service for other reasons, and the other three wells were put on inactive status once NDMA was detected. DDW subsequently raised the NL to 10 parts per trillion. As with perchlorate, Watermaster played a key role in the construction of NDMA treatment facilities in the BPOU area of the Basin. Five facilities were operational during fiscal year 2016-17.

Figure 11. LOCATION MAP OF USEPA OPERABLE UNITS

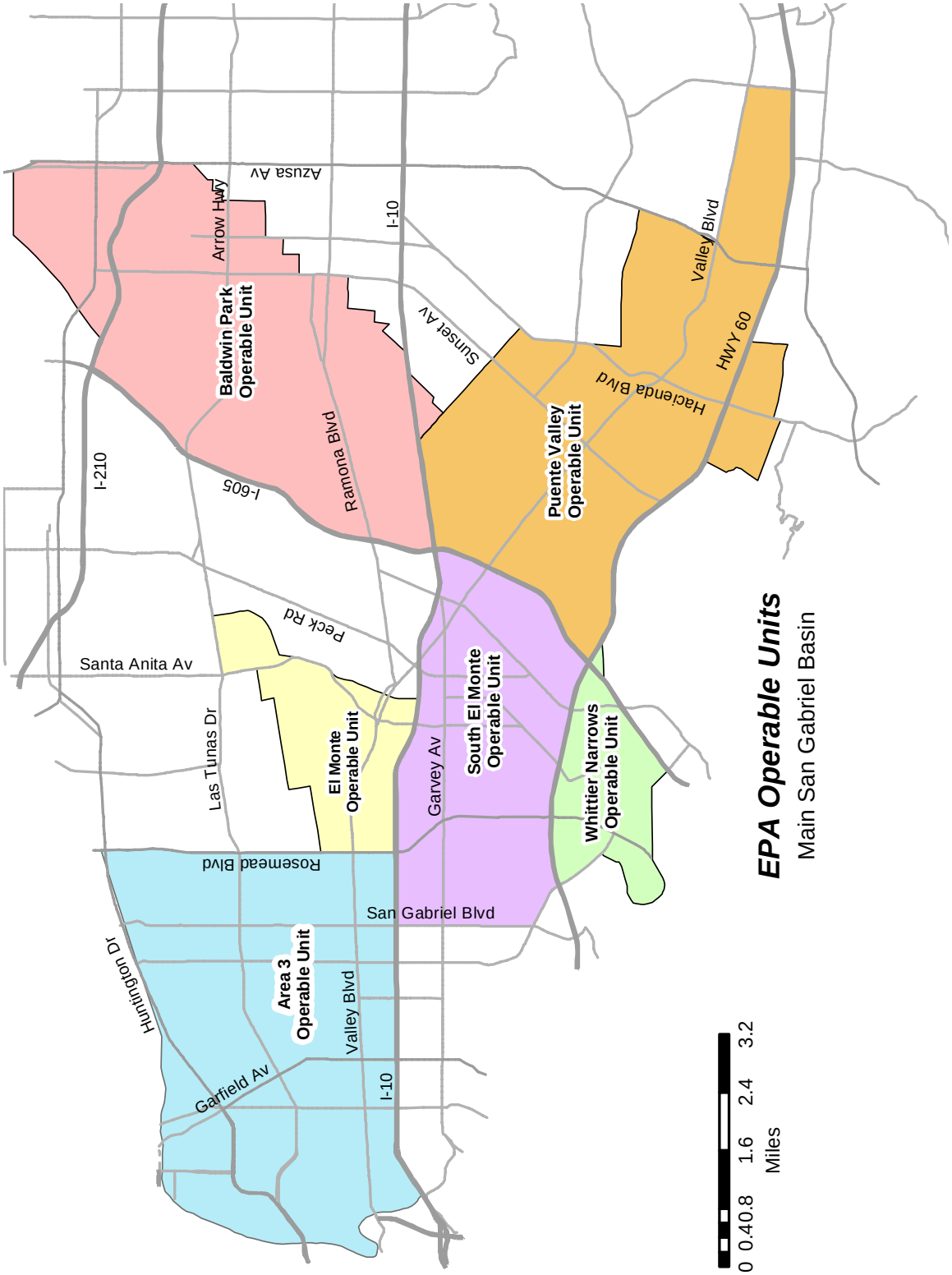


Figure 12. VOLATILE ORGANIC COMPOUND LEVELS IN GROUNDWATER THROUGHOUT THE BASIN

Extensive cleanup programs are underway in the areas affected by VOC contamination. Because the main plumes of contamination are centered in just a few areas, much of the Basin remains unaffected.

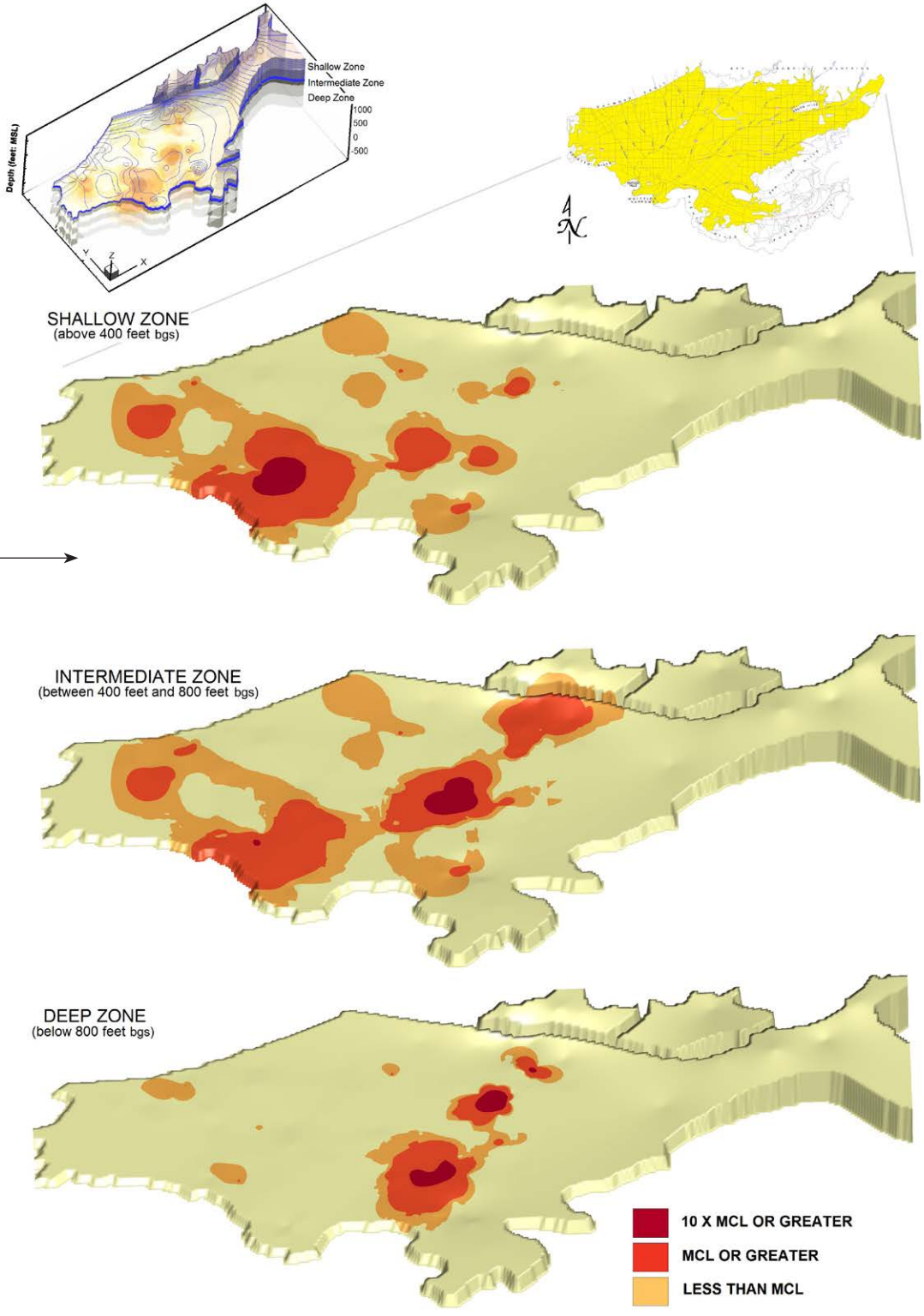
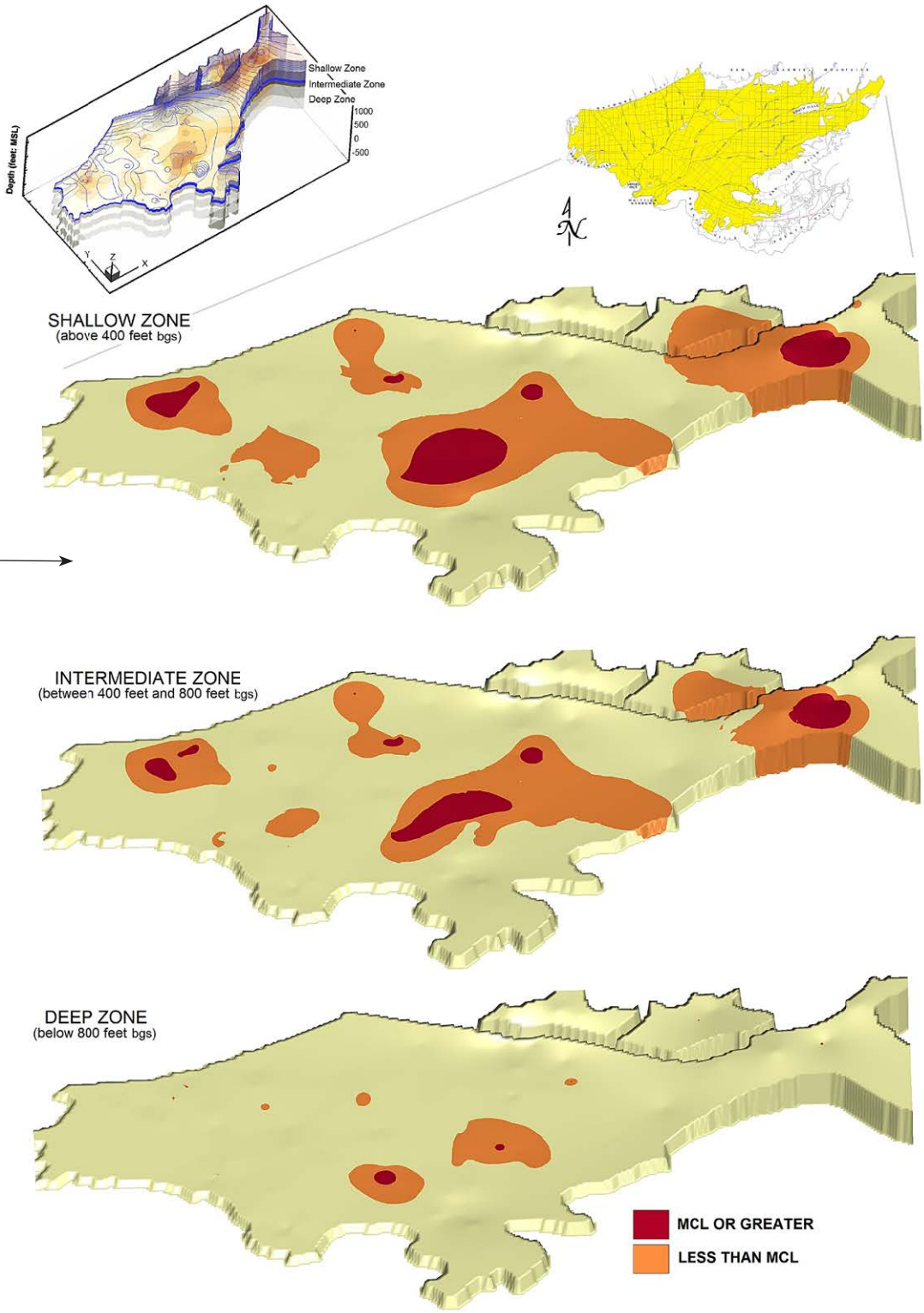


Figure 13. NITRATE LEVELS IN GROUNDWATER THROUGHOUT THE BASIN

Nitrate (NO_3) contamination is highest in the eastern portion of the Basin, away from the San Gabriel River, the area of most intensive groundwater pumping.



TRICHLOROPROPANE (1,2,3-TCP)

The compound 1,2,3-trichloropropane is a degreasing agent that has been detected in the groundwater above the NL of 5 parts per trillion, primarily in the BPOU and the Area 3 OU. On July 18, 2017, DDW reported it had adopted an MCL for 1,2,3-TCP of 5 parts per trillion. The MCL will take effect on October 1, 2017, and public water systems will be required to meet the new MCL beginning in January 2018. Trichloropropane was detected in the BPOU during the winter of 2006, and its presence delayed use of one treatment facility for potable purposes. Following detection, Watermaster, in cooperation with its BPOU project partners, worked to construct treatment facilities to remove 1,2,3-TCP from the groundwater to make it suitable for potable uses. Those facilities were operational during fiscal year 2016-17.

WELLS ASSESSED FOR VULNERABILITY TO CONTAMINATION

One of the primary purposes of the Five-Year Plan is to identify wells in the Basin that are vulnerable to contamination. A well is considered vulnerable if the concentration of contaminants has ever reached 50 percent of the NL or MCL allowed by state drinking water regulations. In an effort to project which wells may be vulnerable over the next five years, Watermaster reviews water quality tests performed on each well, regional water quality conditions, and contaminant migration patterns. Watermaster also participates in plans to construct treatment facilities, as needed.

WATER QUALITY PROTECTION PLAN

Watermaster maintains a Water Quality Protection Plan that provides an early warning to Producers of potential increases in contaminant levels. The Water Quality Protection Plan also provides suggested alternative sources of supply, and proposes long-term actions to solve contamination problem(s) without contributing to the migration of contaminants in the Basin.

FIVE-YEAR WATER QUALITY AND SUPPLY PLAN

Watermaster facilitates groundwater cleanup projects that also meet water supply needs.

The Main San Gabriel Basin's designation as a federal Superfund site was prompted by the discovery of widespread VOC contamination. Cleanup plans were developed to contain and remove VOCs from groundwater, and Watermaster, along with various other local water agencies, water Producers and regulators, have worked to develop the expertise, financing and treatment technologies to effectively address Basin wide cleanup of VOCs.

The discovery of perchlorate and NDMA, however, complicated the existing VOC cleanup approach by creating a number of challenges. Most importantly, these new contaminants could not be removed using existing treatment facilities, and new, additional treatment methods had to be identified, financed, and implemented.

This report outlines a comprehensive water quality cleanup and water supply plan for the Main San Gabriel Basin, including each of the USEPA Operable Units. Watermaster's plan for each area is consistent with the USEPA plans, and its goal is to implement cleanup as promptly as possible, with or without the cooperation of the Responsible Parties.

SALT AND NUTRIENT MANAGEMENT PLAN

During February 2009, the State Water Resources Control Board (SWRCB) adopted the "Recycled Water Policy," which adopted goals for water recycling, water conservation and replenishment of stormwater runoff to enhance water supplies throughout California. One component of the Recycled Water Policy requires all groundwater basins to develop a "Salt and Nutrient Management Plan" (SNMP). Watermaster took the lead role in developing the SNMP for the Main San Gabriel Basin. The SNMP identifies the existing water quality of the Main San Gabriel Basin (specifically Total Dissolved Solids (TDS), Nitrate, Chloride and Sulfate), which are not addressed by USEPA cleanup activities, and compares that water quality to standards established by the Los Angeles Regional Water Quality Control Board (LA RWQCB). Each of the four water quality parameters comply with the standards established by LA RWQCB resulting in significant flexibility to implement new programs to enhance groundwater replenishment and reliability. A final draft of the SNMP was submitted to LA RWQCB in May 2016 to satisfy the submittal requirement and was approved by the RWQCB in December 2016.

GROUNDWATER MONITORING PROGRAMS

Monitoring involves measuring groundwater levels, groundwater quality, and groundwater flow. Watermaster continuously refines its understanding of the groundwater Basin to better define the safe yield of the Basin, and to protect and improve local water quality.

GROUNDWATER ELEVATION MONITORING

CONTINUE KEY WELL AND SUPPLEMENTAL KEY WELL OPERATION AND DATA PROCESSING

The entire 167-square-mile groundwater Basin is managed as one unit based on the groundwater levels as measured at a single Key Well in Baldwin Park. Water levels have been measured at this well since 1903 and are currently measured every three hours by an automated recorder.

Additional groundwater level recorders have been installed near the Santa Fe Spreading Grounds; adjacent to the San Gabriel River above the I-210 Freeway; in the City of Rosemead; in the City of Covina; and near Whittier Narrows Dam. These water level records are synchronized with the record in the Key Well. Collectively, water level data from these wells provides a better understanding of impacts of recharge operations at the Santa Fe Spreading Grounds on Basin hydrogeology. Water elevation data are collected semi-annually at about 170 additional wells throughout the Basin, and water level recorders may be installed in some of those wells over the next five years.

CONTINUE BASINWIDE GROUNDWATER ELEVATION MONITORING PROGRAM (BGWEMP)

The purpose of the BGWEMP is to obtain groundwater level measurements from a large number of wells across the Basin. The information is used to prepare groundwater contour maps showing the direction of groundwater flow. The data are also used in the Basin computer model to simulate future groundwater flow patterns. The BGWEMP plan for the coming years includes:

- taking weekly measurements of water levels in 9 of the 170 primary wells;
- gathering semi-annual measurements of water levels at all 170 of the primary wells;
- obtaining water levels in secondary wells from well owners or water Producers, the San Gabriel Valley Protective Association, Regional Board, USEPA, and others;
- updating the database with water level data;
- preparing semi-annual groundwater contour maps of the entire Basin; and
- participating in the California Statewide Groundwater Elevation Monitoring (CASGEM) program.

GROUNDWATER QUALITY MONITORING

CONTINUE BASINWIDE GROUNDWATER QUALITY MONITORING PROGRAM (BGWQMP)

Under the BGWQMP, all production wells in the Basin are sampled at least once a year for VOCs, nitrates, and TDS. In addition, sulfate and chloride are sampled at least once every three years as required by DDW. The frequency of BGWQMP sampling compliments the monitoring requirements under state law, and supplements information gathered through Regional Water Quality Control Board source investigations, and USEPA remedial investigations. The data collected by BGWQMP are used to identify and evaluate the current locations and magnitude of contaminant levels, along with the effectiveness of the cleanup project.

CONTINUE TITLE 22 WATER QUALITY TESTING

Watermaster continues to perform DDW-mandated Title 22 water quality sampling of groundwater from approximately 200 active wells in the Basin. Watermaster also continues to track regulations and inform local water purveyors about regulatory issues and requirements. Information from centralized water quality testing is added to Watermaster's water quality database, which contains data from many sources.The centralized testing enables Watermaster to identify water quality trends on a regional scale that might otherwise go unnoticed at a specific well, and also lowers monitoring costs to Producers.

GROUNDWATER FLOW AND CONTAMINANT MIGRATION STUDIES

Groundwater level and quality data are entered into the Basin computer model, which simulates where contamination is projected to flow in the future. The goal is to project contaminant levels by areas in advance of the actual event, and identify remedial steps to be taken. The Basin computer model has been used to identify the area of contamination that may be captured (capture zone) under various groundwater pumping scenarios. The capture zone is also able to show the length of time it may take contamination to flow toward a well, and subsequently be treated for contaminant removal prior to use as a drinking water supply.

GROUNDWATER ELEVATION SIMULATIONS SHOW FUTURE PUMPING WILL NOT SIGNIFICANTLY CHANGE GROUNDWATER MOVEMENT

To determine the direction of groundwater flow through the Basin, Watermaster compiles the daily average 2016-17 production for each well, enters the data into the groundwater model, and simulates how production impacts water levels throughout the Basin. A computer simulation is then run using estimated production for 2021-22, assuming all other water supply variables (i.e. local water recharge, imported water recharge, subsurface inflow/outflow) do not change. These simulations indicate the

estimated increase in groundwater production, based on projections by Producers, as of fiscal year 2021-22 will not significantly change the overall direction of Basin groundwater movement, which continues to flow generally from east to west to a pumping trough in the western portion of the Basin, and also northeast to southwest, exiting through Whittier Narrows. The simulation for 2021-22 also shows localized pumping depressions in the Baldwin Park area, which are expected to be created by continuous pumping from groundwater extraction wells associated with the BPOU contaminant cleanup project to contain and control groundwater contaminant movement. Contaminated groundwater from those wells is treated at several treatment facilities and the DDW-permitted water is provided for potable use.

Simulations of the direction of groundwater flow in 2016-17 and projections for 2021-22 show that the estimated increase in groundwater pumping during this period would not significantly change the overall direction of Basin groundwater movement.

SIMULATE IMPACTS OF GROUNDWATER PUMPING ON CONTAMINANT MIGRATION

Simulations similar to the ones described above were used to make the finding that pumping from USEPA mandated cleanup projects as managed by Watermaster helps to control and contain contaminant migration. Groundwater quality data collected during 2016-17 and projected quality data for 2021-22 were entered into the groundwater model for the contamination migration studies. The computer model is used to simulate how the flow of water would affect the migration of contamination. The simulation showed that changes in groundwater flow did not have major impacts on the migration of contaminants (refer to Figures 16 and 17 in Appendix F).

GROUNDWATER CLEANUP PROJECTS

Watermaster coordinates and provides technical assistance on many cleanup projects in the Basin, although the cleanup facilities are owned and operated by local water utilities. Watermaster's involvement includes coordinating proposed USEPA cleanup programs to ensure, to the extent feasible, that treated water is put to beneficial use within the Basin, and that projects are consistent with the Judgment.

REVIEW OF SECTION 28 APPLICATIONS

Watermaster reviews every proposal to construct, destroy, or modify a well, or build a treatment plant pursuant to Section 28 of its Rules and Regulations.

Watermaster's review ensures that any new or increased extractions from the Basin or any changes in production patterns are consistent with contamination cleanup efforts, and will not adversely affect Basin water quality. In conjunction with the evaluation of an application to construct a new well or a treatment facility, Watermaster uses a computer model to predict the potential future impacts of each project on contaminant migration and Basin cleanup.

BASIN CLEANUP PROJECTS/USEPA OPERABLE UNIT PLANS

The USEPA established Operable Units for the various areas within the Basin that have been contaminated and require groundwater cleanup. The Operable Units Are Area 3 (Alhambra area), Baldwin Park, El Monte, Puente Valley, South El Monte, and Whittier Narrows (See Figure 11). USEPA has established a methodical process that includes a review of the extent of contamination (Remedial Investigation), development of cleanup alternatives (Feasibility Study), and selection of the most appropriate cleanup plan (Proposed Plan). Following these activities, the USEPA issues a report identifying the agreed-upon Cleanup Plan (Record of Decision). Subsequently, the project facilities are designed and constructed.

The USEPA has identified cleanup plans for nearly all the Operable Units. Unlike the USEPA, Watermaster is not only concerned with cleaning up the Basin, but also wants to ensure that the water supply needs of the region are met. With USEPA plans generally in place, Watermaster continues to work with affected Producers, Responsible Parties, and others to implement solutions that not only provide effective cleanup and conform to the USEPA plans, but also meet local water supply needs.

This Five-Year Plan describes each of the Operable Units along with the USEPA proposed cleanup plan. In addition, Appendix A identifies current, and projected groundwater production over the next five years, to address the contamination and to implement the cleanup plans. In areas where the groundwater supply has been affected by contamination, Watermaster works with affected Producers and other local water agencies to implement cleanup as quickly as possible, with or without the cooperation of the Responsible Parties. Watermaster and affected Producers continue to seek cost recovery from the Responsible Parties for any cleanup costs they incur.

BALDWIN PARK OPERABLE UNIT (BPOU)

The BPOU is a seven-mile-long, one-mile-wide area of groundwater contamination that lies east of the San Gabriel River, stretching from an area north of the I-210 freeway in Azusa to south of the I-10 freeway in Baldwin Park (see Figure 11). The contamination primarily has been the result of improper use and disposal of industrial chemicals in the Azusa area, and it continues to spread generally in a south-westerly direction.

The USEPA originally issued its Record of Decision (ROD), or cleanup plan, for the BPOU in the mid-1990s. The ROD calls for pumping and treating groundwater in the northern area, where contaminant concentrations are highest, and also in the southern area to limit further migration of contaminants. The ROD initially involved pumping and treating an average of about 7,000 gallons per minute in the northern area and 16,000 gallons per minute in the southern area. During 2015, the extraction rates were modified and now require pumping and treating an

average of about 6,000 gallons per minute in the northern area and 23,750 gallons per minute in the southern area. The ROD also recommends the use of existing water supply wells, treatment systems, and pipelines when feasible. Importantly, the plan encourages adding the treated water to the potable supply, rather than simply recharging it back into the ground or discharging it to storm drain.

The discovery of perchlorate and NDMA during the late 1990s resulted in the shutdown of numerous treatment facilities, including the La Puente Valley County Water District (LPVCWD) Plant and San Gabriel Valley Water Company (SGVWC) Plant B6 that were designed by local water agencies to remove VOCs but not the new contaminants. Shutting down the VOC treatment plants allowed contaminants to migrate southward into previously unaffected areas, in turn forcing the shutdown of other water supply wells.

In 2002, after several years of negotiation led by Watermaster, eight of the BPOU Responsible Parties (called Cooperating Respondents, or CRs) and seven Water Entities signed the BPOU Project Agreement. Under this landmark agreement, Watermaster provided overall project management and project coordination services. The CRs have paid the cost to construct, and are required to continue to provide funding to operate, the USEPA-required BPOU cleanup facilities for a total of about 15 years under the current agreement through 2017. During fiscal year 2016-17, Watermaster, the Water Entities and the CRs negotiated a 10-year extension of the BPOU Project Agreement (Including amendments) which will run through 2027. Several water purveyors own and operate the facilities, and they use the highly treated water in their water systems. The San Gabriel Basin Water Quality Authority (WQA) has also obtained outside funds to help construct necessary BPOU treatment facilities, extraction wells, and pipelines.

The BPOU Project consists of four centralized treatment facilities with a combined extraction and treatment capacity of up to 33,900 gallons per minute (gpm). Those treatment facilities are located at Valley County Water District's Lante Plant (7,800 gpm), San Gabriel Valley Water Company's Plant B6 (7,800 gpm) and Plant B5 (7,800 gpm), California Domestic Water Company's (CDWC) Bassett plant (8,000 gpm), and La Puente Valley County Water District's (LPVCWD) site (2,500 gpm).

VALLEY COUNTY WATER DISTRICT (VCWD) PROJECT

In the northerly portion of the BPOU, the VCWD Project consists of three extraction wells, including two wells, pumping up to 7,800 gpm (average annual rate of 6,000 gpm) to a centralized treatment facility at the VCWD Lante Plant. The VCWD Project consists of separate facilities to treat VOCs, 1,2,3-TCP, perchlorate, NDMA, and 1,4-dioxane. In addition, a treated-water pipeline provides up to 6,000 gpm of fully treated water to Suburban Water Systems (SWS) to offset production lost due to contamination of some of its wells; VCWD can use the remaining

portion of the treated water. The VCWD Project began operation for contamination cleanup in 2006 and received its DDW operating permit in July 2007 to provide potable water to customers. Since operation began in 2006, the VCWD treatment facility has treated about 70,700 acre-feet and has removed about 41,200 pounds of contaminants, as shown in Appendix E.

VCWD and its BPOU partners are coordinating the construction of a new single-pass, ion-exchange facility that will remove perchlorate more cost effectively. Construction of the new system is complete, but start-up has been pushed back while the parties determine the most cost-effective way to address high nitrate concentrations. Meanwhile, the existing VCWD treatment facility continues to provide treated water for municipal use.

LPVCWD PROJECT

The LPVCWD consists of three existing production wells. Well-pumping capacity is limited to 2,500 gpm to equal the capacity of the treatment facility (average annual rate of 2,250 gpm). The LPVCWD project consists of separate facilities to treat VOCs, perchlorate, NDMA, and 1,4-dioxane. The LPVCWD project is permitted by DDW and has been operating since March 2001. Treated water in excess of LPVCWD's needs is provided to SWS to enable the treatment facility to be operated on a continuous basis. Since operation began, the LPVCWD treatment facility has treated about 68,100 acre-feet (including prior operations with only VOC treatment) and removed about 11,700 pounds of contaminants, as shown in Appendix E.

SGVWC B6 PROJECT

The SGVWC B6 project is permitted by DDW and has been operational since July 2005. The B6 project consists of four extraction wells and a centralized treatment facility that treats up to 7,800 gpm (average annual rate of 6,500 gpm). The facility treats the contaminated groundwater for VOCs, perchlorate, NDMA, and 1,4-dioxane. The treated water is provided to SGVWC customers. Since operation began, the SGVWC B6 treatment facility has treated about 121,400 acre-feet, (including prior operations with only VOC treatment), and removed about 21,700 pounds of contaminants, as shown in Appendix E.

SGVWC B5 PROJECT

The SGVWC B5 Project consists of one extraction well and two existing wells that provide up to 7,800 gpm (average annual rate of 7,000 gpm) to a centralized treatment facility located at the SGVWC B5 site. The treatment facility treats the contaminated water for VOCs, perchlorate, NDMA, and 1,4-dioxane. The treated water is provided to City of Industry customers (1,000 gpm) and the balance (6,000 gpm) is provided to SGVWC customers. The SGVWC B5 Project was permitted by DDW in fiscal year 2007-08. Since operation began in 2007, the SGVWC B5 treatment facility has treated about 105,500 acre-feet and has removed about 4,300 pounds of contaminants, as shown in Appendix E.

CDWC PROJECT

The CDWC Project consists of four existing wells that provide up to 17,500 gpm (average annual rate of 8,000 gpm) to a centralized treatment facility located at the CDWC Bassett site. The treatment facility treats the contaminated water for VOCs, perchlorate, and NDMA. The treated water is provided to CDWC customers. The CDWC Project was permitted by DDW in 1993. Since operation began in 1993, the CDWC treatment facility has treated about 340,700 acre-feet and has removed about 16,200 pounds of contaminants, as shown in Appendix E.

PURVEYOR PROJECTS

In addition to the USEPA-required BPOU facilities, Watermaster has issued permits under Section 28 of its Rules and Regulations to SWS to construct new wells that also are being used to blend with wells impacted by contaminants. These activities reduce reliance on expensive imported water, and contribute to contaminant removal.

BPOU CLEANUP PROGRESS

Watermaster regularly reviews water quality data to evaluate the impact the production wells and specially-constructed extraction wells have on control of contamination migration. It is difficult to develop a precise picture of the geographic extent of contamination because water quality is obtained from numerous wells that produce water from different depths below the groundwater table. Figure 14 shows the approximate extent of VOC contamination from about five years ago and from current data. In addition, the approximate geographic extent of VOC contamination, using engineering judgment, for five years into the future is shown on Figure 14. The 2016-17 plume indicates treatment facilities are controlling plume movement. Watermaster anticipates the area of the VOC plume will continue to decrease, as shown on the 2021-22 plume. Similarly, Figure 15 shows the approximate extent of perchlorate. The series of three plume characterizations indicate plume movement is expected to be controlled and, similar to VOCs, continue to decrease in the future (2021-22).

The original term of the BPOU Project Agreement was for 15 years and extended through March 2017. subsequently, the BPOU Project Agreement has been extended an additional 10 years through 2027. Watermaster will continue to coordinate BPOU cleanup activities among the various parties to the BPOU Project Agreement through at least 2027, interfacing with USEPA, and overseeing agreements between water purveyors to use the treated water. With all of the BPOU facilities now operational, Watermaster is also coordinating collection of field data, such as water production, water quality and water levels, and is providing BPOU Project performance reports to USEPA in cooperation with the CRs. The projects will ensure that there is an adequate water supply for the BPOU area. These projects are consistent with the USEPA ROD, meet contaminant removal and containment requirements, and meet local water supply needs.

Figure 14. VOC PLUME MAP IN BPOU

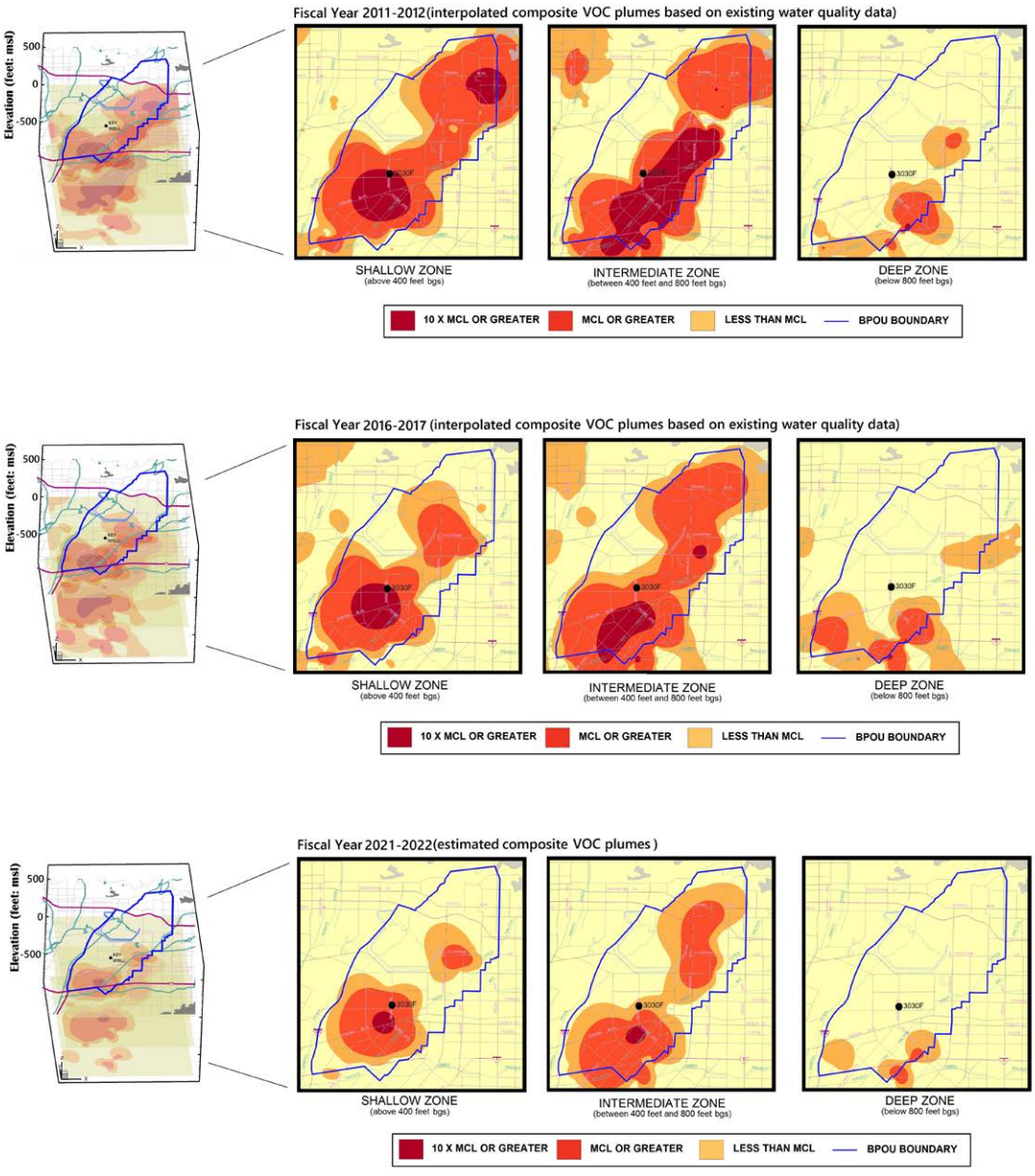
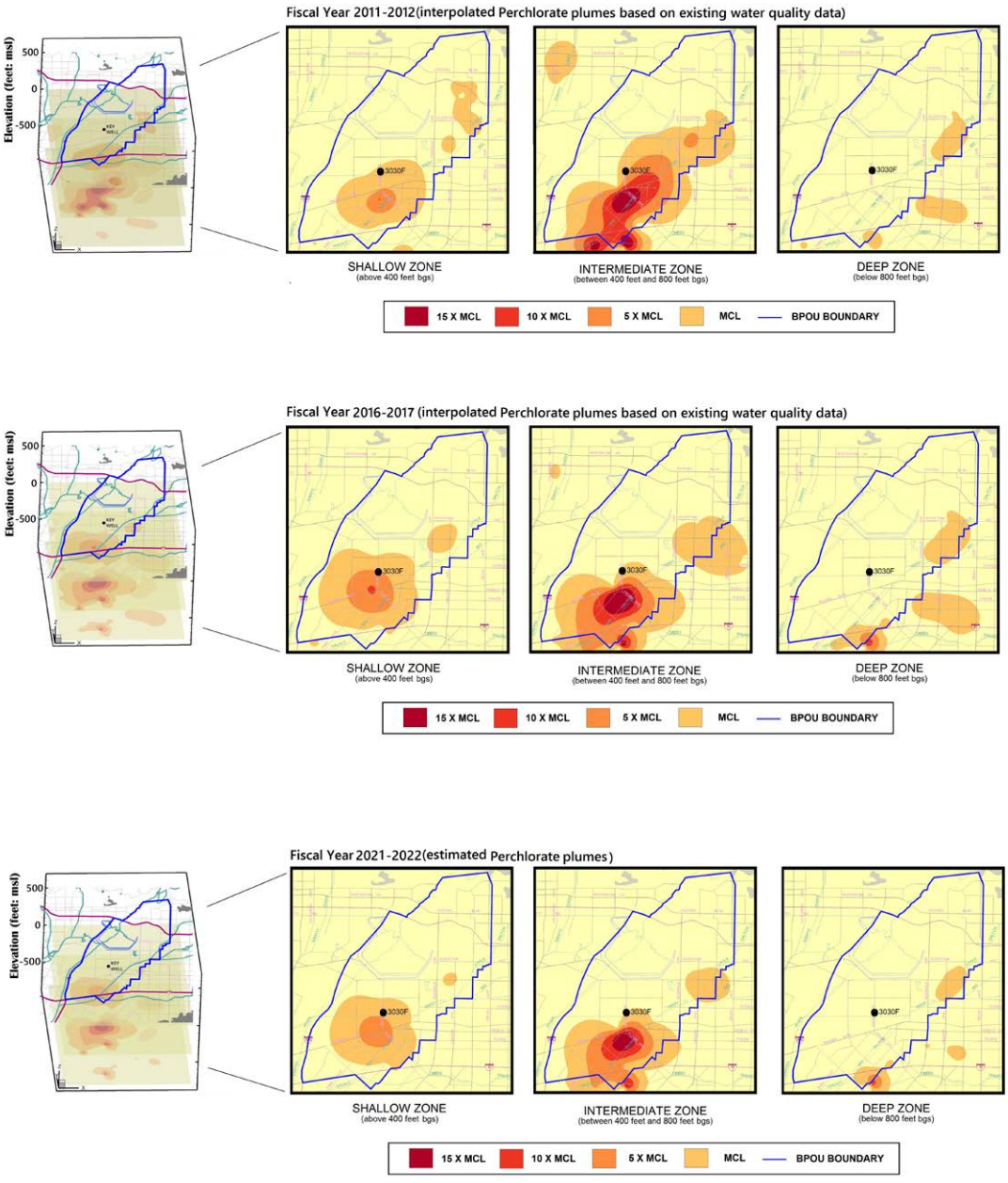


Figure 15. PERCHLORATE PLUME MAP IN BPOU



SOUTH EL MONTE OPERABLE UNIT (SEMOU)

The SEMOU covers approximately eight square miles in the south-central portion of the Basin. It is bounded by the I-10 Freeway, the 60 Freeway, the I-605 Freeway, and San Gabriel Boulevard (See Figure 11). A ROD for the SEMOU was issued in 2000, addressing VOC contamination in a limited area. Subsequently, additional water supply wells became contaminated, and new contaminants, including perchlorate, were detected in wells in the SEMOU area. In November 2005, USEPA revisited its ROD and issued an Explanation of Significant Differences (ESD) indicating that SEMOU cleanup projects would also address treatment of perchlorate. Because a perchlorate source has not yet been identified in that area, the Responsible Parties (RPs) objected to a requirement to pay for perchlorate treatment, and negotiations for the RPs to fund SEMOU groundwater cleanup activities have been moving slowly.

In the meantime, area water purveyors who were impacted by contaminant migration and new perchlorate detections were forced to construct new or additional treatment facilities to maintain safe, reliable water supplies. The City of Monterey Park, San Gabriel Valley Water Company, and Golden State Water Company (GSWC) have all constructed new or additional treatment facilities within SEMOU. WQA has assisted these Producers by securing outside funding to help offset project costs.

MONTEREY PARK PROJECT

Monterey Park constructed a water treatment facility at its Delta Plant to treat VOCs and perchlorate. Monterey Park Well No. 9 (which only had detectable concentrations of VOCs) began operating through the VOC treatment facility in April 2002. Following construction and permitting of the perchlorate treatment facility, Monterey Park Well No. 12 began operation in spring 2005. Monterey Park began operation of Well No. 15 in summer 2006. Production is from Monterey Park Wells No. 12 and No. 15 to operate consistent with the SEMOU ROD. Watermaster and Monterey Park maintain data on water quality in monitoring wells located up-gradient of Wells No. 9, 12, and 15. Since the treatment facility began operation, over 73,100 acre-feet of water has been treated and about 12,300 pounds of contaminants removed from the groundwater, as shown in Appendix E.

SAN GABRIEL VALLEY WATER COMPANY (SGVWC) PLANT 8 PROJECT

SGVWC Plant 8 VOC Treatment Facility has a capacity of 5,000 gpm and has been in operation since fiscal year 2001-02. In response to increasing VOC concentrations, SGVWC voluntarily constructed supplemental VOC treatment at Plant 8. The supplemental VOC treatment facility was permitted by DDW in September 2006 and went online in December 2006. Since the original VOC treatment facility operation, over 41,500 acre-feet of water has been treated and about 5,900 pounds of contaminants have been removed from the groundwater, as shown in Appendix E.

GOLDEN STATE WATER COMPANY (GSWC) PROJECT

GSWC VOC treatment facility at San Gabriel Wells No. 1 and 2 had been permitted and operating. However, with the establishment of the revised Perchlorate NL in 2002, GSWC voluntarily removed the wells from operation. Subsequently, GSWC installed an ion exchange system to remove perchlorate and has resumed operation at its San Gabriel Well No. 1. The treatment facility has treated about 19,600 acre-feet of water and removed about 600 pounds of contaminants, as shown in Appendix E.

EL MONTE OPERABLE UNIT (EMOU)

The EMOU covers an area of about 10 square miles in the south-central portion of the Basin. It is bounded by the I-10 Freeway on the south, Rosemead Boulevard on the west, and Santa Anita Avenue and Rio Hondo on the east. The northern boundary generally follows Lower Azusa Road (see Figure 11). While shallow contamination is found throughout the EMOU, deep (intermediate zone) contamination is found in the northwest and easterly area of the EMOU.

The USEPA's ROD for the EMOU includes numerous small, shallow extraction wells and treatment, along with two areas of deep extraction and treatment. Due to generally poor water quality in the area, the shallow groundwater will not be used for a potable supply. The deep extractions are recommended for potable use by local water purveyors. The remediation efforts are separated into "Westside" and "Eastside" activities.

EMOU WESTSIDE PROJECTS

On the Westside, there are plans to clean up contaminants occurring in the shallow aquifer. The shallow zone water is treated for VOCs, discharged to an adjacent channel and the fully treated water is infiltrated back into the Basin. The treatment facility (Hermetic Seal) has treated about 300 acre-feet and removed about 30 pounds of contaminants, as shown in Appendix E. The deep-zone extraction and treatment in the northwest area is being accomplished by the existing Encinita Wellfield and Treatment Facility owned by GSWC, which began operation during 1998. The GSWC treatment facility has treated about 26,200 acre-feet of water and has removed about 600 pounds of contaminants, as shown in Appendix E. During July 2002, USEPA issued an Explanation of Significant Differences (ESD), which indicated that perchlorate, NDMA, 1,4-dioxane, and hexavalent chromium had been detected in excess of DDW notification levels. In the event water from extraction wells cannot be blended to acceptable levels, additional treatment facilities will need to be installed, significantly increasing cleanup costs. Thus far, extraction and treatment of VOCs at GSWC Encinita Plant have not been impacted.

EMOU EASTSIDE PROJECTS

On the Eastside, there are plans to clean up contaminants occurring in the shallow aquifer. The shallow zone water is treated for VOCs, discharged to an adjacent channel and the fully treated water is infiltrated back into the Basin. The treatment facility (Gould/Johnson Controls) has treated about 80 acre-feet and removed about 20 pounds of contaminants, as shown in Appendix E. The deep-zone extraction and treatment in the northwest area is being accomplished by three new extraction wells which began operation during 2015-16. The treatment facility has treated about 1,200 acre-feet of water and has removed about 50 pounds of contaminants, as shown in Appendix E.

PUENTE VALLEY OPERABLE UNIT (PVOU)

The PVOU lies in the southeastern portion of the Basin, essentially bounded by the 60 Freeway on the south, Azusa Avenue on the east, and the I-10 Freeway on the north (see Figure 11). The PVOU encompasses the Puente Valley, which is tributary to the southeasterly portion of the Basin. Contamination in the PVOU includes various VOCs. All aquifers within the PVOU (shallow, intermediate, and deep) are considered sources for municipal water supplies. The USEPA has issued a ROD for the PVOU. The plan identified in the ROD includes extraction and treatment of groundwater within the shallow and intermediate zones from wells located in the center of the PVOU.

PVOU SHALLOW-ZONE PROJECT

The cleanup plan for shallow-zone contamination includes nine wells that will collectively produce about 1,000 gpm. Due to the poor quality of shallow-zone water (which is high in naturally-occurring dissolved solids), the water will not be used as drinking water, but will instead be treated to remove VOCs and will then be recharged back into the Basin. Watermaster is currently working with USEPA and the Responsible Party to develop an agreement to allow production and discharge of the PVOU shallow-zone water.

PVOU INTERMEDIATE ZONE

Watermaster is working with USEPA, Responsible Parties, and local water entities to develop a cleanup solution that meets potable water supply needs. Approximately 1,000 gpm will be produced from the intermediate zone extraction wells, treated and used for potable purposes by a local water purveyor.

WHITTIER NARROWS OPERABLE UNIT (WNOU)

The USEPA declared the WNOU is a “fund-lead” project, meaning that the USEPA (with the state) has funded the design, construction, and operation of the remedy, and will seek cost recovery from Responsible Parties later. The USEPA cleanup plan

involves a series of shallow and intermediate zone extraction wells with treatment (see Figure 11). As of May 2013, the responsibility for the WNOU was transferred from USEPA to the California Department of Toxic Substances Control (DTSC). Furthermore, the WNOU Shallow Zone Project (as described below) ceased operation during 2013 due to improved water quality.

WNOU SHALLOW ZONE PROJECT

During fiscal year 2002-03, NDMA was detected in some of the shallow extraction wells, prolonging the testing and review process for the shallow zone water through June 2007. Studies indicated the shallow zone contamination could be adequately contained at an extraction rate of 2,500 gpm. Treated shallow zone water has been discharged for conservation and recreational use at Legg Lake, and Watermaster entered into a production agreement with USEPA and the County of Los Angeles regarding the accounting of that water. Since production began at the WNOU facility, over 30,000 acre-feet of groundwater has been treated, and over 1,620 pounds of contaminants have been removed. During fiscal year 2012-13 the WNOU's Shallow Zone Project ceased operation.

WNOU INTERMEDIATE ZONE PROJECT

The City of Whittier obtained a DDW permit to use the 6,000 gpm of treated intermediate zone water for municipal use instead of producing water from its existing wells. During April 2013, the City of Whittier ceased taking treated intermediate zone water. Subsequently, the treated intermediate zone water has been delivered to Legg Lake, while DTSC negotiates with a municipal water supplier to accept additional treated intermediate zone water. Since production began in late 2005, about 49,600 acre-feet of groundwater has been treated and about 1,800 pounds of contaminants removed, as shown in Appendix E.

AREA 3 OPERABLE UNIT

The Area 3 Operable Unit is located in the westerly portion of the Basin. It is generally bounded on the south by the I-10 Freeway, on the east by Rosemead Boulevard, on the North by Huntington Drive, and on the west by the boundary of the Main Basin (see Figure 11). EPA has installed a series of monitoring wells to collect water quality data to supplement data collected from water supply wells and has initiated a Remedial Investigation and Feasibility Study to identify the extent of the contamination and to evaluate appropriate cleanup remedies. In addition, Watermaster issued a permit during 2005-06 to the City of Alhambra to construct a treatment facility to remove VOCs from wells No. 7, 8, 11, and 12. The treatment facility became operational in April 2009, prior to USEPA's development of a final remedy, but is necessary for Alhambra to receive a reliable source of supply from the groundwater basin. The facility has treated about 24,600 acre-feet and has removed about 800 pounds of contaminants, as shown in Appendix E.

PRODUCERS' WATER SUPPLY PLANS

Watermaster's Water Quality Protection Plan provides early warning to Producers before their wells are found to exceed drinking water quality standards. The Plan also contains pre-analyzed suggestions to the Producers for responding to the presence of contaminants.

WATER SUPPLY PLANS TO MEET PROJECTED DEMANDS

Water Producers propose to construct nine new wells and six treatment plants during the next five years. Watermaster will continue providing the following services to assist Producers in meeting water demand:

- investigate all new or increased water extractions;
- provide computer modeling and technical support on treatment issues concerning the impact of extractions on contaminant migration;
- prioritize areas requiring further investigation, and coordinate with Producers on water supply modifications; and
- direct changes in pumping or treatment as necessary.

CONDUCT STUDIES, MONITORING AND INVESTIGATIONS

The Main San Gabriel Groundwater Basin is very complex, covering 167 square miles, and has the capacity to hold about 2.8 trillion gallons of water. Water enters the Basin from countless, natural and man-made locations, and is extracted by over 200 wells operated by dozens of independent Producers. Watermaster conducts special studies to identify projected water demands and to increase understanding of the Basin, so that it can be managed in a way that preserves and improves water supply and quality. In addition, Watermaster routinely reviews available data and is prepared to construct new monitoring wells to obtain supplemental water level and water quality data to better, manage the Basin. As a result of these activities, and the cooperative activities with, the Regional Board (noted below), there is no longer on-going VOC or Perchlorate contamination occurring; rather the focus is on clean-up activities.

LANDFILL INSPECTIONS

Watermaster routinely conducts on-site inspections of area landfills to ensure they are operated in a way that does not allow contaminants to seep into the groundwater. Watermaster reports any violations of Waste Discharge Requirements to the Regional Water Quality Control Board for enforcement.

IDENTIFY AND REDUCE POTENTIAL SOURCES OF CONTAMINATION, COOPERATE WITH THE REGIONAL WATER QUALITY CONTROL BOARD

Since 1993, Watermaster has obtained information from the RWQCB about sources of VOC contamination in the Basin as part of the RWQCB investigations of potential contaminated sites. The information includes a description of all potential sources of contamination investigated by the RWQCB, including:

- maps showing the location of all investigation sites;
- available cause-and-effect relationships between pollution sources and contaminated wells; and
- plans and tentative schedules to abate the source of pollution and to clean up the soil and water.

Watermaster has reviewed a large amount of information gathered in RWQCB files and entered it into a database. This information is used in Watermaster's Section 28 process to help evaluate changes in pumping practices in relation to known contamination sources.

AQUIFER PERFORMANCE TESTS

Watermaster has developed a groundwater flow model for the entire Basin that assists in evaluating the potential impacts of changes in groundwater production. Although Watermaster completed its three-year Aquifer Performance Test investigation, additional tests will be conducted as required for Section 28 applications or for other needs. A tabulation of potential Aquifer Performance Test investigation sites is included in Appendix D. The sites identified include a pumping well and at least one monitoring well. The tests provide information on the characteristics of the aquifer, such as transmissivity, hydraulic conductivity, and coefficient of storage. The information gathered on aquifer characteristics will support cleanup activities including groundwater model development and calibration (see Appendix D).

DIRECTORY TO APPENDICES

The Following Appendices Are Found in This Section:

A. Projected Groundwater Demands from 2017-18 to 2021-22

B. Simulated Changes in Groundwater Elevations at Wells or Wellfields in Main San Gabriel Basin

C. Highlights of Volatile Organic Compounds and Nitrate Concentrations and Wells Vulnerable to Contamination

D. Potential Sites for Aquifer Performance Tests

E. Summary of Treatment Facility Activity in the Main San Gabriel Basin

F. Simulated Basin Groundwater Contours 2016-17 and 2021-22 (Figures 16 and 17)

APPENDIX A.

Projected Groundwater Demands—2017-18 to 2021-22

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2017-18 TO 2021-22

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2016-17 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2017-18	2018-19	2019-20	2020-21	2021-22
ADAMS RANCH MUTUAL WATER COMPANY (CALIFORNIA AMERICAN WATER COMPANY)									
1902106	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902689	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000182	3	379	235	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
ALHAMBRA, CITY OF (2)									
1900010	MOELR (8)	3,387	2,100	750.69	814.79	825.38	836.08	846.79	857.74
1900011	9	798	495	7.40	8.03	8.14	8.24	8.35	8.46
1900012	10	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900013	12	807	500	7.11	7.72	7.82	7.92	8.02	8.12
1900014	13	1,048	650	255.63	277.46	281.06	284.71	288.35	292.08
1900015	14	1,532	950	1,428.99	1,551.01	1,571.16	1,591.54	1,611.92	1,632.76
1900016	15	1,774	1,100	1,148.72	1,246.81	1,263.01	1,279.39	1,295.77	1,312.52
1900017	2 LON	1,589	985	1,480.30	1,606.70	1,627.57	1,648.69	1,669.80	1,691.39
1900018	GARF	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902789	1 LON	1,613	1,000	1,151.36	1,249.67	1,265.91	1,282.33	1,298.75	1,315.54
1903014	11	1,032	640	8.43	9.15	9.27	9.39	9.51	9.63
1903097	7	1,250	775	1.54	1.67	1.69	1.72	1.74	1.76
SUBTOTAL:		14,832	9,195	6,240.17	6,773.00	6,861.00	6,950.00	7,039.00	7,130.00
AMARILLO MUTUAL WATER COMPANY (SAN GABRIEL VALLEY WATER COMPANY) (2)									
1900791	SOUTH (1)	644	399	242.39	378.45	386.02	393.75	401.62	409.65
1900792	NORTH (2)	424	263	90.84	0.77	0.77	0.77	0.77	0.77
SUBTOTAL:		1,068	662	333.23	379.22	386.79	394.52	402.39	410.42
ANDERSON, RAY L. AND HELEN									
8000085	NA	18	11	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		18	11	0.00	0.00	0.00	0.00	0.00	0.00
ARCADIA, CITY OF (1)									
1901013	1 LON	1,613	1,000	211.92	491.00	481.00	472.00	472.00	472.00
1901014	2 LON	1,613	1,000	0.06	12.00	12.00	12.00	12.00	12.00
1901015	1 BAL	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902077	1 CAM	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902078	2 CAM	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902084	2 LGY	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902358	1 STJ	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902791	2 BAL	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902854	1 PEC	5,968	3,700	2,331.31	3,270.00	3,206.00	3,143.00	3,143.00	3,143.00
8000127	1 LO	6,613	4,100	3,372.57	2,229.00	2,186.00	2,143.00	2,143.00	2,143.00
8000177	2 STJ	1,452	900	45.43	23.00	22.00	22.00	22.00	22.00
8000213	3 CAM	4,355	2,700	2,497.83	1,705.00	1,672.00	1,639.00	1,639.00	1,639.00
8000214	3 LGY	2,903	1,800	1,769.58	1,859.00	1,822.00	1,787.00	1,787.00	1,787.00
SUBTOTAL:		24,518	15,200	10,228.70	9,589.00	9,401.00	9,218.00	9,218.00	9,218.00
ATTALLA, MARY L.									
8000119	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2017-18 TO 2021-22

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2016-17 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2017-18	2018-19	2019-20	2020-21	2021-22
AZUSA, CITY OF (AZUSA AGRICULTURAL WATER COMPANY, AZUSA VALLEY WATER COMPANY) (2)									
1902533	5 (1)	1,613	1,000	646.71	1,200.00	1,200.00	1,200.00	1,200.00	1,200.00
1902535	6 (3)	4,839	3,000	614.66	550.00	550.00	550.00	550.00	550.00
1902536	GENESIS 1 (4)	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902537	GENESIS 2 (5)	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902538	GENESIS 3 (6)	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000072	1 (7)	4,839	3,000	1,458.20	1,300.00	1,300.00	1,300.00	1,300.00	1,300.00
8000086	3 (8)	4,678	2,900	2,574.85	2,380.00	2,380.00	2,380.00	2,380.00	2,380.00
1902457	2 (1 NORTH)	3,226	2,000	910.80	1,370.00	1,370.00	1,370.00	1,370.00	1,370.00
1902458	4 (2 SOUTH)	4,516	2,800	1,542.66	2,160.00	2,160.00	2,160.00	2,160.00	2,160.00
1902113	AVWC 1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902114	AVCW 2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902115	8 (AVWC 4)	3,065	1,900	943.49	200.00	200.00	200.00	200.00	200.00
1902116	7 (AVWC 5)	1,613	1,000	219.78	550.00	550.00	550.00	550.00	550.00
1902117	9 (AVWC 6)	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902425	AVWC 7	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000103	10 (AVWC 8)	4,194	2,600	22.54	70.00	70.00	70.00	70.00	70.00
8000178	11	3,468	2,150	1,651.56	1,600.00	1,600.00	1,600.00	1,600.00	1,600.00
8000179	12	2,823	1,750	1,541.30	1,450.00	1,450.00	1,450.00	1,450.00	1,450.00
1903119	VULCAN	NA	NA	90.13	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		15,162	9,400	12,216.68	12,830.00	12,830.00	12,830.00	12,830.00	12,830.00
AZUSA ASSOCIATES LLC (COVELL, ET AL)									
1900390	DALTON	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
B & B RED-I-MIX CONCRETE INC.									
1902589	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
BANKS, GALE & VICKI (1)									
1900415	NA	560	347	32.47	32.00	32.00	32.00	32.00	32.00
SUBTOTAL		560	347	32.47	32.00	32.00	32.00	32.00	32.00
BASELINE WATER COMPANY									
1901200	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901201	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901202	3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
BEVERLY ACRES MUTUAL									
8000004	ROSE HILLS	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
BIRENBAUM, MAX									
8000005	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
BROOKS, GIFFORD JR.									
1902144	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2017-18 TO 2021-22

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2016-17 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2017-18	2018-19	2019-20	2020-21	2021-22
BURBANK DEVELOPMENT COMPANY									
1900093	BURB	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
CALIFORNIA-AMERICAN WATER COMPANY/DUARTE SYSTEM (1)									
1900354	STA FE	1,694	1,050	650.85	621.93	621.93	621.93	621.93	621.93
1900355	B V	NA	NA	0.11	0.11	0.11	0.11	0.11	0.11
1900356	MT AVE	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900357	LAS L	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900358	FISH C	484	300	0.00	0.00	0.00	0.00	0.00	0.00
1902907	WILEY	2,420	1,500	2,126.90	2,032.38	2,032.38	2,032.38	2,032.38	2,032.38
1903018	CR HV	2,097	1,300	602.88	576.09	576.09	576.09	576.09	576.09
8000139	ENCTO	2,903	1,800	28.07	26.82	26.82	26.82	26.82	26.82
8000140	LASL 2	2,258	1,400	444.14	424.40	424.40	424.40	424.40	424.40
1900497	BACON	484	300	6.43	6.14	6.14	6.14	6.14	6.14
8000216	B V 2	2,903	1,800	1,391.31	1,329.48	1,329.48	1,329.48	1,329.48	1,329.48
SUBTOTAL:		15,243	9,450	5,250.69	5,017.35	5,017.35	5,017.35	5,017.35	5,017.35
CALIFORNIA-AMERICAN WATER COMPANY/SAN MARINO SYSTEM (1)									
1900917	HALL	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900918	GUESS	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900919	MISVW	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900920	MISVW	2,097	1,300	0.00	0.00	0.00	0.00	0.00	0.00
1900921	RIC-1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900922	RIC-2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900923	IVR-1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900924	MAR-1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900925	MAR-2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900926	GRAND	1,532	950	1,178.03	1,188.37	1,188.37	1,188.37	1,188.37	1,188.37
1900927	ROSE	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900934	ROAN	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900935	LONG	1,548	960	41.16	41.52	41.52	41.52	41.52	41.52
1901441	BR-1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902424	HOWL	968	600	532.86	537.54	537.54	537.54	537.54	537.54
1902787	BR-2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902867	IVR-2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1903019	MAR-3	1,936	1,200	601.94	607.23	607.23	607.23	607.23	607.23
1903059	DELMAR	1,613	1,000	445.18	449.09	449.09	449.09	449.09	449.09
8000175	HALL-2	1,936	1,200	722.29	728.63	728.63	728.63	728.63	728.63
8000222	RIC-3	NA	NA	2,430.89	2,452.24	2,452.24	2,452.24	2,452.24	2,452.24
8000182	ADA-3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		11,630	7,210	5,952.35	6,004.62	6,004.62	6,004.62	6,004.62	6,004.62
CALIFORNIA COUNTRY CLUB (1)									
1902529	CLUB	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902531	ARTES	1,129	700	0.00	0.00	0.00	0.00	0.00	0.00
1903084	SYC	1,290	800	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		2,420	1,500	0.00	0.00	0.00	0.00	0.00	0.00
CALIFORNIA DOMESTIC WATER COMPANY (2)									
1901181	2	5,404	3,350	1,901.04	2,122.55	2,440.93	2,440.93	2,727.48	2,727.48
1901182	1-E	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901183	5	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901185	13-N	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902967	6	6,452	4,000	2,921.09	3,261.46	3,750.68	3,750.68	4,190.97	4,190.97
1903057	3	7,259	4,500	6,358.01	7,098.85	8,163.68	8,163.68	9,122.03	9,122.03
1903081	8	4,839	3,000	1,469.42	1,640.64	1,886.73	1,886.73	2,108.22	2,108.22
8000100	5A	6,452	4,000	5,087.98	5,680.84	6,532.96	6,532.96	7,299.88	7,299.88
8000174	14	4,516	2,800	0.00	0.00	0.00	0.00	0.00	0.00
8000223	10	8,065	5,000	175.24	195.66	225.01	225.01	251.42	251.42
1900092	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		42,986	26,650	17,912.78	20,000.00	23,000.00	23,000.00	25,700.00	25,700.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2017-18 TO 2021-22

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2016-17 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2017-18	2018-19	2019-20	2020-21	2021-22
CARRIER CORPORATION (1)									
--	--	--	--	19.66	30.00	30.00	30.00	30.00	30.00
SUBTOTAL:		--	--	19.66	30.00	30.00	30.00	30.00	30.00
CEDAR AVENUE MUTUAL WATER COMPANY									
1901411	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902783	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		0	0	0.00	0.00	0.00	0.00	0.00	0.00
CEMEX CONSTRUCTION MATERIALS L.P. (AZ-TWO INC.)									
1900038	2	2,305	1,429	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		2,305	1,429	0.00	0.00	0.00	0.00	0.00	0.00
CHAMPION MUTUAL WATER COMPANY (SAN GABRIEL VALLEY WATER COMPANY)									
1900908	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902816	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000121	3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		0	0	0.00	0.00	0.00	0.00	0.00	0.00
CHEVRON USA									
1900250	TEMP1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
CITRUS VALLEY MEDICAL CENTER, QUEEN OF THE VALLEY CAMPUS (QUEEN OF THE VALLEY HOSPITAL) (1)									
8000138	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
CLAYTON MANUFACTURING COMPANY									
1901055	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000170	MW-4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
COINER, JAMES W., DBA COINER NURSERY (WOODLAND FARMS INC.) (1)									
1902951	3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1903072	5R	NA	NA	62.51	100.00	100.00	100.00	100.00	100.00
SUBTOTAL:		NA	NA	62.51	100.00	100.00	100.00	100.00	100.00
COLLISON, E.O.									
1902968	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
CORCORAN BROS.									

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2017-18 TO 2021-22

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2016-17 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2017-18	2018-19	2019-20	2020-21	2021-22
1902814	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
COUNTY SANITATION DISTRICT NO. 18 (1)									
8000008	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000009	3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000104	LE 1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000105	LE 2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000106	LE 3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000107	LE 4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000128	EO8A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000129	E09A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000130	E10A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000131	E11A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000141	EX1	NA	NA	0.34	0.33	0.33	0.33	0.33	0.33
8000142	EX2	NA	NA	0.03	0.03	0.03	0.03	0.03	0.03
8000143	EX3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000144	EX4	NA	NA	0.01	0.01	0.01	0.01	0.01	0.01
8000153	E16A	NA	NA	0.56	0.55	0.55	0.55	0.55	0.55
8000154	E17A	NA	NA	3.94	3.86	3.86	3.86	3.86	3.86
8000155	E18A	NA	NA	0.64	0.63	0.63	0.63	0.63	0.63
8000156	E19A	NA	NA	0.93	0.91	0.91	0.91	0.91	0.91
8000173	E20A	NA	NA	0.77	0.75	0.75	0.75	0.75	0.75
8000161	E01R	NA	NA	0.12	0.12	0.12	0.12	0.12	0.12
8000162	E03R	NA	NA	0.04	0.04	0.04	0.04	0.04	0.04
8000163	E05R	NA	NA	0.59	0.58	0.58	0.58	0.58	0.58
8000164	E07R	NA	NA	0.83	0.81	0.81	0.81	0.81	0.81
8000165	E02R	NA	NA	1.51	1.48	1.48	1.48	1.48	1.48
8000166	E04R	NA	NA	0.32	0.31	0.31	0.31	0.31	0.31
8000167	E06R	NA	NA	0.16	0.16	0.16	0.16	0.16	0.16
8000168	E08R	NA	NA	0.46	0.45	0.45	0.45	0.45	0.45
NA	WRP FL E	NA	NA	9.15	8.97	8.97	8.97	8.97	8.97
SUBTOTAL:		NA	NA	20.40	20.00	20.00	20.00	20.00	20.00
COVINA, CITY OF									
1901685	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901686	2	968	600	0.00	0.00	0.00	0.00	0.00	0.00
1901687	3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		968	600	0.00	0.00	0.00	0.00	0.00	0.00
COVINA IRRIGATING COMPANY (2)									
1900881	CONTR	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900882	3 BAL	2,903	1,800	0.00	1,000.00	1,200.00	1,300.00	1,600.00	1,800.00
1900883	2 BAL	2,581	1,600	0.00	750.00	1,000.00	1,200.00	1,200.00	1,600.00
1900885	1 BAL	2,097	1,300	0.00	800.00	1,000.00	1,200.00	1,600.00	1,600.00
1900880	VALEN	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		7,581	4,700	0.00	2,550.00	3,200.00	3,700.00	4,400.00	5,000.00
CREVOLIN, A.J.									
8000011	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
CROWN CITY PLATING COMPANY									
8000012	01	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX A

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RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2016-17 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2017-18	2018-19	2019-20	2020-21	2021-22
DAVIDSON OPTRONICS INC.									
8000013	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
DAWES, MARY K.									
1902952	04	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
DEFALCO, JOHN & CAROLE									
8000194	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
DEL RIO MUTUAL WATER COMPANY (1)									
1900331	BURKE	261	162	105.00	100.00	100.00	100.00	100.00	100.00
1900332	KLING	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		261	162	105.00	100.00	100.00	100.00	100.00	100.00
DRIFTWOOD DAIRY									
1902924	01	298	185	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		298	185	0.00	0.00	0.00	0.00	0.00	0.00
DUNNING, GEORGE									
1900091	1910	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
EAST PASADENA WATER COMPANY, LTD. (2)									
1901508	9	2,420	1,500	146.15	144.56	147.45	148.93	150.42	151.92
8000217	11	2,420	1,500	1,164.19	1,151.55	1,174.59	1,186.33	1,198.18	1,210.18
SUBTOTAL:		4,839	3,000	1,310.34	1,296.11	1,322.04	1,335.26	1,348.60	1,362.10
EL MONTE, CITY OF (1)									
1901692	2A	1,532	950	805.64	769.35	769.35	769.35	769.35	769.35
1901693	3	807	500	0.00	0.00	0.00	0.00	0.00	0.00
1901694	4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901695	5	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901699	10	2,420	1,500	859.03	820.34	820.34	820.34	820.34	820.34
1901700	11	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902612	MT VW	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1903137	12	3,468	2,150	492.09	469.93	469.93	469.93	469.93	469.93
8000066	--	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000101	13	4,678	2,900	47.52	45.38	45.38	45.38	45.38	45.38
SUBTOTAL:		12,904	8,000	2,204.28	2,105.00	2,105.00	2,105.00	2,105.00	2,105.00
EL MONTE CEMETERY ASSOCIATION									
8000017	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
FRUIT STREET WATER COMPANY									
1901199	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2017-18 TO 2021-22

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2016-17 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2017-18	2018-19	2019-20	2020-21	2021-22
GATES, JAMES RICHARD (1)									
8000215	NA	NA	NA	0.87	5.00	5.00	5.00	5.00	5.00
SUBTOTAL:		NA	NA	0.87	5.00	5.00	5.00	5.00	5.00
GLENDORA, CITY OF (1)									
1900826	11-E	1,452	900	11.61	12.54	12.54	12.54	12.54	12.54
1900827	12-G	3,226	2,000	3,780.98	4,082.73	4,082.73	4,082.73	4,082.73	4,082.73
1900828	10-E	1,048	650	19.37	20.92	20.92	20.92	20.92	20.92
1900829	8-E	2,742	1,700	1,615.80	1,744.75	1,744.75	1,744.75	1,744.75	1,744.75
1900830	9-E	2,742	1,700	1,743.10	1,882.21	1,882.21	1,882.21	1,882.21	1,882.21
1900831	7-G	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901523	1-E	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901524	4-E	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901525	3-G	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901526	2-E	807	500	112.56	121.54	121.54	121.54	121.54	121.54
8000003	--	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000149	5-E	2,903	1,800	2,418.97	2,612.02	2,612.02	2,612.02	2,612.02	2,612.02
8000184	13-E	1,290	800	299.40	323.29	323.29	323.29	323.29	323.29
SUBTOTAL:		16,211	10,050	10,001.79	10,800.00	10,800.00	10,800.00	10,800.00	10,800.00
GOEDERT, LILLIAN									
8000027	GOEDERT	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
GOLDEN STATE WATER COMPANY (SOUTHERN CALIFORNIA WATER COMPANY)/SAN DIMAS DISTRICT (1)									
1902148	BAS-3	968	600	313.75	309.99	309.99	309.99	309.99	309.99
1902149	BAS-4	1,210	750	309.94	306.22	306.22	306.22	306.22	306.22
1902150	HIGHWAY	1,129	700	469.71	464.08	464.08	464.08	464.08	464.08
1902151	ART-1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902152	ART-2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902154	L H-2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902266	COL-1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902267	COL-2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902268	COL-4	726	450	176.65	174.53	174.53	174.53	174.53	174.53
1902269	COL-5	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902270	COL-6	686	425	0.00	0.00	0.00	0.00	0.00	0.00
1902271	COL-7	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902272	COL-8	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902286	CITY	323	200	150.01	148.21	148.21	148.21	148.21	148.21
1902842	ART-3	403	250	139.23	137.56	137.56	137.56	137.56	137.56
1902287	MALON	605	375	481.74	475.96	475.96	475.96	475.96	475.96
8000212	HIGHWAY 2	1,613	1,000	445.23	439.89	439.89	439.89	439.89	439.89
SUBTOTAL:		7,662	4,750	2,486.26	2,456.44	2,456.44	2,456.44	2,456.44	2,456.44
GOLDEN STATE WATER COMPANY (SOUTHERN CALIFORNIA WATER COMPANY)/SAN GABRIEL DISTRICT (1)									
1900510	1 S G	1,774	1,100	1,284.81	1,267.65	1,267.65	1,267.65	1,267.65	1,267.65
1900511	2 S G	1,452	900	288.61	284.76	284.76	284.76	284.76	284.76
1900512	2 GAR	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900513	1 GAR	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900514	3 SAX	565	350	148.70	146.71	146.71	146.71	146.71	146.71
1900515	1 SAX	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000146	4 SAX	1,532	950	120.99	119.37	119.37	119.37	119.37	119.37
1902144	1 EAR	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902017	1 JEF	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902018	2 JEF	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902019	3 JEF	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902020	1 AZU	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902024	1 ENC	1,936	1,200	383.38	378.26	378.26	378.26	378.26	378.26
1902027	1 PER	697	432	118.63	117.05	117.05	117.05	117.05	117.05
1902030	1 GRA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902031	2 GID	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902032	1 GID	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902034	1 FAR	1,936	1,200	287.64	283.80	283.80	283.80	283.80	283.80
1902035	2 ENC	968	600	702.78	693.40	693.40	693.40	693.40	693.40
1902461	2 GRA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

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RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2016-17 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2017-18	2018-19	2019-20	2020-21	2021-22
1902948	2 FAR	1,210	750	129.41	127.68	127.68	127.68	127.68	127.68
8000073	3 ENC	1,048	650	501.04	494.35	494.35	494.35	494.35	494.35
8000111	4 JEF	2,097	1,300	754.79	744.71	744.71	744.71	744.71	744.71
8000221	3 GAR			511.32	504.49	504.49	504.49	504.49	504.49
SUBTOTAL:		9,891	6,132	5,232.10	5,162.23	5,162.23	5,162.23	5,162.23	5,162.23
GOULD ELECTRONICS INC. AND JOHNSON CONTROLS INC. (1)									
	SEW	NA	NA	43.09	31.55	31.55	31.55	31.55	31.55
	DEW	NA	NA	789.46	578.12	578.12	578.12	578.12	578.12
SUBTOTAL:		NA	NA	832.55	609.67	609.67	609.67	609.67	609.67
GREEN, WALTER									
8000027	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000028	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
HANSEN, ALICE									
8000029	2946	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
HANSON AGGREGATES WEST, INC. (LIVINGSTON-GRAHAM) (1)									
1900961	1 DUA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900963	1 KIN	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901492	1 EL	3,302	2,047	51.16	44.03	44.03	44.03	44.03	44.03
1901493	3 EL	4,563	2,829	116.03	99.87	99.87	99.87	99.87	99.87
1903006	4 EL	356	221	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		8,221	5,097	167.19	143.90	143.90	143.90	143.90	143.90
HARTLEY, DAVID									
8000029	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
HEMLOCK MUTUAL WATER COMPANY (1)									
1901178	NORTH	219	136	30.45	30.62	30.62	30.62	30.62	30.62
1902806	SOUTH	516	320	36.74	36.94	36.94	36.94	36.94	36.94
SUBTOTAL:		736	456	67.19	67.56	67.56	67.56	67.56	67.56
HERMETIC SEAL CORPORATION (1)									
--	--	NA	NA	53.07	54.12	54.12	54.12	54.12	54.12
SUBTOTAL:		NA	NA	53.07	54.12	54.12	54.12	54.12	54.12
INDUSTRY WATERWORKS SYSTEM, CITY OF (2)									
1902581	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902582	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902583	5TH AVE	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000078	3	2,420	1,500	0.00	0.00	0.00	0.00	0.00	0.00
8000096	4	3,871	2,400	0.00	0.00	0.00	0.00	0.00	0.00
8000097	5	1,936	1,200	1,707.17	1,920.00	1,920.00	1,920.00	1,920.00	1,920.00
SUBTOTAL:		8,226	5,100	1,707.17	1,920.00	1,920.00	1,920.00	1,920.00	1,920.00
KIYAN, HIDEO									
1902970	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
LA PUENTE VALLEY COUNTY WATER DISTRICT (2)									
1901459	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901460	2	2,016	1,250	50.70	4.00	4.00	4.00	4.00	4.00

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RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2016-17 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2017-18	2018-19	2019-20	2020-21	2021-22
1902859	3	2,016	1,250	61.49	4.00	4.00	4.00	4.00	4.00
8000062	4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000209	5	4,033	2,500	3,403.37	3,628.00	3,628.00	3,628.00	3,628.00	3,628.00
SUBTOTAL:		8,065	5,000	3,515.56	3,636.00	3,636.00	3,636.00	3,636.00	3,636.00
LA VERNE, CITY OF									
1902322	SNIDO	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
LAKIN, KELLY									
8000158	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
LANDEROS, JOHN									
8000031	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
LOS ANGELES, COUNTY OF (1)									
1902579	1 WHI	2,710	1,680	0.00	0.00	0.00	0.00	0.00	0.00
1902580	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902663	3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902664	4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902665	5	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902666	6	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000070	1 SF	3,349	2,076	785.92	699.27	699.27	699.27	699.27	699.27
8000074	2 SF	458	284	21.25	18.91	18.91	18.91	18.91	18.91
8000088	B RED	174	108	0.00	0.00	0.00	0.00	0.00	0.00
8000089	N LK	1,323	820	0.00	0.00	0.00	0.00	0.00	0.00
8000090	600	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902158	BN PK	2,087	1,294	0.00	0.00	0.00	0.00	0.00	0.00
8000150	3A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
NA	WNOU	NA	NA	3,408.80	3,032.95	3,032.95	3,032.95	3,032.95	3,032.95
SUBTOTAL:		10,101	6,262	4,215.97	3,751.12	3,751.12	3,751.12	3,751.12	3,751.12
LOS FLORES MUTUAL WATER COMPANY									
1902098	1-LO	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
21902098	1-HI	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
LOUCKS, DAVID									
8000032	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
MAECHTLEN, J.J. TRUSTEE									
1902321	OLD60	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902322	SNIDO	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902323	M & N	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
MANNING BROS. ROCK & SAND COMPANY									
1900117	36230	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
MAPLE WATER COMPANY (SUBURBAN WATER SYSTEMS)									
1900042	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000109	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2017-18 TO 2021-22

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2016-17 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2017-18	2018-19	2019-20	2020-21	2021-22
MARTINEZ, FRANCES MERCY									
8000033	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA									
1900693	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900694	3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
MILLERCOORS LLC (MILLER BREWERIES WEST, L.P. /MILLER BREWING COMPANY) (1)									
8000034	--	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000075	1	5,533	3,430	450.86	400.00	400.00	400.00	400.00	400.00
8000076	2	5,533	3,430	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		11,065	6,860	450.86	400.00	400.00	400.00	400.00	400.00
MONROVIA, CITY OF (1)									
1900417	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900418	2	2,742	1,700	469.40	452.48	452.48	452.48	452.48	452.48
1900419	3	2,742	1,700	1,118.33	1,078.02	1,078.02	1,078.02	1,078.02	1,078.02
1900420	4	2,903	1,800	884.24	852.37	852.37	852.37	852.37	852.37
1940104	5	3,871	2,400	1,975.48	1,904.27	1,904.27	1,904.27	1,904.27	1,904.27
8000171	6	3,871	2,400	2,133.07	2,056.18	2,056.18	2,056.18	2,056.18	2,056.18
SUBTOTAL:		16,130	10,000	6,580.52	6,343.32	6,343.32	6,343.32	6,343.32	6,343.32
MONROVIA NURSERY									
1902456	DIV 4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
MONTEREY PARK, CITY OF (1)									
1900453	1	968	600	26.87	26.67	26.67	26.67	26.67	26.67
1900454	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900455	3	968	600	0.00	0.00	0.00	0.00	0.00	0.00
1900456	4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900457	5	2,903	1,800	568.63	564.34	564.34	564.34	564.34	564.34
1900458	6	968	600	0.00	0.00	0.00	0.00	0.00	0.00
1902372	7	1,290	800	0.00	0.00	0.00	0.00	0.00	0.00
1902373	8	2,903	1,800	0.00	0.00	0.00	0.00	0.00	0.00
1902690	9	2,903	1,800	5.41	5.37	5.37	5.37	5.37	5.37
1902818	10	2,903	1,800	1,017.59	1,009.91	1,009.91	1,009.91	1,009.91	1,009.91
1903033	12	3,226	2,000	3,213.89	3,189.64	3,189.64	3,189.64	3,189.64	3,189.64
1903092	14	1,129	700	0.00	0.00	0.00	0.00	0.00	0.00
8000126	FERN	1,613	1,000	178.55	177.20	177.20	177.20	177.20	177.20
8000196	15	3,226	2,000	2,525.18	2,506.13	2,506.13	2,506.13	2,506.13	2,506.13
SUBTOTAL:		25,002	15,500	7,536.12	7,479.27	7,479.27	7,479.27	7,479.27	7,479.27
MUNOZ, RALPH (1)									
MUNOZ	8000219	--	--	2.51	5.00	5.00	5.00	5.00	5.00
SUBTOTAL:		--	--	2.51	5.00	5.00	5.00	5.00	5.00
NAMIMATSU FARMS INC.									
1901034	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
NICK TOMOVICH & SON									
8000037	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2017-18 TO 2021-22

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2016-17 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2017-18	2018-19	2019-20	2020-21	2021-22
NO. 17 WALNUT PLACE MUTUAL WATER COMPANY									
8000038	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
OWL ROCK PRODUCTS (ROBERTSON'S READY MIX)									
1900043	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902241	NA	3,205	1,987	0.00	0.00	0.00	0.00	0.00	0.00
1903119	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		3,205	1,987	0.00	0.00	0.00	0.00	0.00	0.00
PARK WATER CO.									
1901307	26-A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000039	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
PICO COUNTY WATER DISTRICT									
8000040	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
POLOPOLUS, ET AL									
1902169	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
RICHWOOD MUTUAL WATER COMPANY									
1901521	1 SOUTH	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901522	2 NORTH	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
ROWLAND WATER DISTRICT (1)									
--	--	NA	NA	58.29	65.00	65.00	65.00	65.00	65.00
SUBTOTAL:		NA	NA	58.29	65.00	65.00	65.00	65.00	65.00
RURBAN HOMES MUTUAL WATER COMPANY (1)									
1900120	1-NORTH	726	450	143.98	142.67	142.67	142.67	142.67	142.67
1900121	2-SOUTH	484	300	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		1,210	750	143.98	142.67	142.67	142.67	142.67	142.67
RUTH, ROY									
8000041	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
S.L.S. & N. INC. (1)									
8000151	NA	NA	NA	25.79	14.20	14.20	14.20	14.20	14.20
SUBTOTAL:		NA	NA	25.79	14.20	14.20	14.20	14.20	14.20
SAN GABRIEL COUNTRY CLUB (1)									
1900547	1	226	140	23.31	25.70	25.70	25.70	25.70	25.70
1902979	2	750	465	248.76	274.30	274.30	274.30	274.30	274.30
SUBTOTAL:		976	605	272.07	300.00	300.00	300.00	300.00	300.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2017-18 TO 2021-22

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2016-17 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2017-18	2018-19	2019-20	2020-21	2021-22
SAN GABRIEL COUNTY WATER DISTRICT (1)									
1901669	5 BRA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901670	6 BRA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901671	7	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901672	8	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902785	9	1,613	1,000	1,439.33	1,572.89	1,572.89	1,572.89	1,572.89	1,572.89
1902786	10	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000067	11	1,452	900	23.56	25.75	25.75	25.75	25.75	25.75
8000123	12	4,033	2,500	1,359.26	1,485.39	1,485.39	1,485.39	1,485.39	1,485.39
8000133	14	3,871	2,400	1,315.21	1,437.25	1,437.25	1,437.25	1,437.25	1,437.25
8000220	15	3,871	2,400	1,124.39	1,228.72	1,228.72	1,228.72	1,228.72	1,228.72
SUBTOTAL:		14,840	9,200	5,261.75	5,750.00	5,750.00	5,750.00	5,750.00	5,750.00
SAN GABRIEL VALLEY WATER COMPANY (2)									
1900725	G4A	1,519	942	218.63	160.00	160.00	160.00	160.00	160.00
1900733	5A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902635	B1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000112	B5C	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000038	--	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900729	1B	2,471	1,532	1.81	20.00	20.00	20.00	20.00	20.00
1902946	1C	3,268	2,026	1.61	20.00	20.00	20.00	20.00	20.00
8000081	1B4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000082	1B5	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000102	1D	3,902	2,419	2,258.89	1,158.00	1,226.00	1,274.00	1,274.00	1,274.00
1900749	2C	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902857	2D	3,653	2,265	1,889.21	1,258.00	1,326.00	1,374.00	1,374.00	1,374.00
8000065	2E	3,758	2,330	20.71	100.00	100.00	100.00	100.00	100.00
1900736	8A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900746	8B	1,887	1,170	9.42	4.00	4.00	4.00	4.00	4.00
1900747	8C	2,420	1,500	897.40	1,050.00	1,050.00	1,050.00	1,050.00	1,050.00
1903103	8D	4,370	2,709	1,322.96	1,050.00	1,050.00	1,050.00	1,050.00	1,050.00
8000113	8E	4,412	2,735	31.93	20.00	20.00	20.00	20.00	20.00
1900739	11A	3,574	2,216	1,237.38	1,002.00	1,002.00	1,002.00	1,002.00	1,002.00
1900745	11B	2,894	1,794	1.49	20.00	20.00	20.00	20.00	20.00
1902713	11C	1,665	1,032	70.81	20.00	20.00	20.00	20.00	20.00
8000083	11B7	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902858	B4B	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902947	B4C	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900718	B5A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900719	B5B	4,624	2,867	4,180.66	5,646.00	5,646.00	5,646.00	5,646.00	5,646.00
1900721	B6B	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1903093	B6C	3,268	2,026	0.03	4.00	4.00	4.00	4.00	4.00
8000084	B6B2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000098	B6D	3,184	1,974	0.74	4.00	4.00	4.00	4.00	4.00
1902525	B2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000122	B7E	807	500	1.67	50.00	50.00	50.00	50.00	50.00
1901435	B7A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901436	B8	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901437	B9	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901439	B11A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901440	B7B	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000068	B7C	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000094	B7D	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000099	B9B	1,079	669	438.01	50.00	50.00	50.00	50.00	50.00
8000108	B11B	3,371	2,090	982.81	50.00	50.00	50.00	50.00	50.00
8000172	1E	4,666	2,893	1,164.76	1,158.00	1,226.00	1,274.00	1,274.00	1,274.00
8000160	B5D	3,755	2,328	62.25	100.00	100.00	100.00	100.00	100.00
8000169	8F	4,983	3,089	23.93	20.00	20.00	20.00	20.00	20.00
NA	G4B	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
NA	1F	NA	NA	0.00	20.00	20.00	20.00	20.00	20.00
8000197	2F	NA	1,887	463.17	120.00	120.00	120.00	120.00	120.00
NA	B11C	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000203	B24A	3,992	2,475	43.93	50.00	50.00	50.00	50.00	50.00
8000204	B24B	3,763	2,333	7.28	50.00	50.00	50.00	50.00	50.00
8000187	B25A	3,041	1,885	3,656.89	4,033.00	4,033.00	4,033.00	4,033.00	4,033.00
8000188	B25B	4,589	2,845	4,095.53	4,033.00	4,033.00	4,033.00	4,033.00	4,033.00
8000189	B26A	1,195	741	877.80	1,210.00	1,210.00	1,210.00	1,210.00	1,210.00
8000190	B26B	2,197	1,362	1,515.03	1,210.00	1,210.00	1,210.00	1,210.00	1,210.00
8000205	B5E	5,212	3,231	3,679.93	5,646.00	5,646.00	5,646.00	5,646.00	5,646.00
NA	11D	NA	NA	0.00	20.00	20.00	20.00	20.00	20.00
NA	B24C	NA	NA	0.00	20.00	20.00	20.00	20.00	20.00
NA	B24D	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		93,519	59,865	29,156.67	29,376.00	29,580.00	29,724.00	29,724.00	29,724.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2017-18 TO 2021-22

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2016-17 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2017-18	2018-19	2019-20	2020-21	2021-22
SLOAN RANCHES									
1901198	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000045	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SIERRA LA VERNE COUNTRY CLUB (1)									
8000124	1	NA	NA	0.00	7.29	7.29	7.29	7.29	7.29
8000125	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000192	15 OFFSITE	NA	NA	0.00	2.30	2.30	2.30	2.30	2.30
SUBTOTAL:		NA	NA	0.00	9.59	9.59	9.59	9.59	9.59
SIERRA MADRE, CITY OF (1)									
8000193	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SONOCO PRODUCTS COMPANY (1)									
1912786	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902971	2	NA	NA	69.42	79.13	79.13	79.13	79.13	79.13
8000137	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	69.42	79.13	79.13	79.13	79.13	79.13
SOUTH COVINA WATER SERVICE									
1901606	102	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SOUTH PASADENA, CITY OF (1)									
1901679	GRAV 2	1,137	705	108.61	106.56	106.56	106.56	106.56	106.56
1901681	2 WIL	1,936	1,200	0.00	0.00	0.00	0.00	0.00	0.00
1901682	3 WIL	3,161	1,960	2,169.16	2,128.22	2,128.22	2,128.22	2,128.22	2,128.22
1903086	4 WIL	1,774	1,100	1,173.37	1,151.22	1,151.22	1,151.22	1,151.22	1,151.22
SUBTOTAL:		8,009	4,965	3,451.14	3,386.00	3,386.00	3,386.00	3,386.00	3,386.00
SOUTHERN CALIFORNIA EDISON COMPANY (1)									
1900342	1EB86	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900343	2EB76	211	131	0.00	0.00	0.00	0.00	0.00	0.00
8000046	110RH	NA	NA	0.10	0.55	0.55	0.55	0.55	0.55
8000047	MURAT	2,420	1,500	0.00	0.00	0.00	0.00	0.00	0.00
11900344	38EIS	1,415	877	0.00	0.00	0.00	0.00	0.00	0.00
21900344	38W	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		4,045	2,508	0.10	0.55	0.55	0.55	0.55	0.55
STERLING MUTUAL WATER COMPANY (1)									
1902085	SOUTH	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2017-18 TO 2021-22

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2016-17 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2017-18	2018-19	2019-20	2020-21	2021-22
1902096	NORTH	397	246	36.94	48.92	48.92	48.92	48.92	48.92
8000132	NEW SO	436	270	49.83	44.62	44.62	44.62	44.62	44.62
SUBTOTAL:		832	516	86.77	93.54	93.54	93.54	93.54	93.54
SUBURBAN WATER SYSTEMS (1)									
1900337	152W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901429	201W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901430	201W2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901431	201W3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901432	201W5	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901433	201W4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901434	201W6	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901596	147W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901597	142W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901598	139W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901599	139W2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901600	139W3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901602	140W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901604	148W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901608	105W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901609	106W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901610	111W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901611	112W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901612	113W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901613	114W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901614	117W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901615	120W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901616	122W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901617	123W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901618	124W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901619	125W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901620	126W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901621	131W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901622	133W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901623	134W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901624	135W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901625	136W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901627	202W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902119	149W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902519	150W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902760	147W2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902761	153W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902762	154W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902763	157W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1903067	140W3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000069	139W4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000077	147W3	1,936	1,200	680.48	735.90	735.90	735.90	735.90	735.90
8000087	125W2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000092	126W2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000093	140W4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000145	140W5	4,516	2,800	1,116.11	1,207.02	1,207.02	1,207.02	1,207.02	1,207.02
8000095	139W5	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000152	139W6	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902518	151W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902819	155W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902820	155W2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901605	101W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901607	103W1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000181	121W1	2,742	1,700	1,688.03	1,825.52	1,825.52	1,825.52	1,825.52	1,825.52
8000183	142W2	4,033	2,500	4,159.93	4,498.75	4,498.75	4,498.75	4,498.75	4,498.75
8000195	201W7	4,839	3,000	2,818.55	3,048.12	3,048.12	3,048.12	3,048.12	3,048.12
8000198	201W8	4,516	2,800	2,160.71	2,336.70	2,336.70	2,336.70	2,336.70	2,336.70
8000207	151W2	5,162	3,200	4,845.87	5,240.56	5,240.56	5,240.56	5,240.56	5,240.56

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2017-18 TO 2021-22

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2016-17 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2017-18	2018-19	2019-20	2020-21	2021-22
8000208	201W9	5,162	3,200	3,912.09	4,230.73	4,230.73	4,230.73	4,230.73	4,230.73
8000210	201W10	5,807	3,600	1,729.36	1,870.22	1,870.22	1,870.22	1,870.22	1,870.22
SUBTOTAL:		38,712	24,000	23,111.13	24,993.52	24,993.52	24,993.52	24,993.52	24,993.52
SUNNY SLOPE WATER COMPANY (2)									
1900026	8	2,724	1,689	575.89	679.01	679.01	679.01	679.01	679.01
1902792	9	2,710	1,680	581.00	685.03	685.03	685.03	685.03	685.03
8000048	10	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000157	13	2,845	1,764	1,023.81	1,207.13	1,207.13	1,207.13	1,207.13	1,207.13
SUBTOTAL:		8,280	5,133	2,180.70	2,571.17	2,571.17	2,571.17	2,571.17	2,571.17
TEXACO INC.									
1900001	14	519	322	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		519	322	0.00	0.00	0.00	0.00	0.00	0.00
TRAN, HIEU (1)									
TRAN	8000218	NA	NA	4.99	5.00	5.00	5.00	5.00	5.00
SUBTOTAL:		NA	NA	4.99	5.00	5.00	5.00	5.00	5.00
TYLER NURSERY									
8000049	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
UNITED CONCRETE PIPE CORPORATION									
8000067	NA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
UNITED ROCK PRODUCTS CORPORATION (1)									
1900106	IRW-1	NA	NA	289.01	288.87	288.87	288.87	288.87	288.87
1902532	SIERRA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1903062	IRW-2	NA	NA	11.14	11.13	11.13	11.13	11.13	11.13
SUBTOTAL:		NA	NA	300.15	300.00	300.00	300.00	300.00	300.00
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY									
NA	EW4-3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
NA	EW4-4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
NA	EW4-8	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
NA	EW4-9	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		0	0	0.00	0.00	0.00	0.00	0.00	0.00
VALENCIA HEIGHTS WATER COMPANY (2)									
8000051	1	NA	NA	639.89	0.00	0.00	0.00	0.00	0.00
8000052	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000054	4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000055	3A	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000120	5	565	350	0.00	161.18	163.03	172.24	172.24	172.24
8000180	6	1,129	700	0.00	322.37	326.05	344.47	344.47	344.47
8000211	7	1,371	850	0.00	391.45	395.92	418.29	418.29	418.29
SUBTOTAL:		3,065	1,900	639.89	875.00	885.00	935.00	935.00	935.00
VALECITO WATER COMPANY									
1901435	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901436	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901437	3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901438	4	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2017-18 TO 2021-22

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2016-17 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2017-18	2018-19	2019-20	2020-21	2021-22
1901439	5	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901440	6	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
VALLEY COUNTY WATER DISTRICT (3)									
1900027	E MAIN	2,742	1,700	1,696.65	1,461.78	1,461.78	1,461.78	1,461.78	1,461.78
1900028	W MAIN	1,855	1,150	1,053.24	988.85	988.85	988.85	988.85	988.85
1900029	MORADA	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900031	PADDY	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900032	E NIXON (JOAN)	4,194	2,600	1,781.43	2,235.66	2,235.66	2,235.66	2,235.66	2,235.66
1900034	ARROW	NA	2,500	0.00	4,033.00	4,033.00	4,033.00	4,033.00	4,033.00
1900035	B DAL	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901307	11	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902356	W NIXON (JOAN)	3,629	2,250	2,306.92	1,934.71	1,934.71	1,934.71	1,934.71	1,934.71
8000039	PALM	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000060	LANTE (SA1-3)	4,033	2,500	2,864.57	4,033.00	4,033.00	4,033.00	4,033.00	4,033.00
8000185	SA1-1	1,613	1,000	474.47	1,613.00	1,613.00	1,613.00	1,613.00	1,613.00
8000186	SA1-2	0	0	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		18,066	13,700	10,177.28	16,300.00	16,300.00	16,300.00	16,300.00	16,300.00
VALLEY VIEW MUTUAL WATER COMPANY (2)									
1900363	1	310	192	0.00	0.00	0.00	0.00	0.00	0.00
1900364	2	766	475	527.20	532.00	532.00	532.00	532.00	532.00
1900365	3	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		1,076	667	527.20	532.00	532.00	532.00	532.00	532.00
VIA TRUST									
1903012	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
VIETNAMESE AMERICAN BUDDHIST TEMPLE (1)									
8000191	NA	NA	NA	3.27	5.00	5.00	5.00	5.00	5.00
SUBTOTAL		NA	NA	3.27	5.00	5.00	5.00	5.00	5.00
VULCAN MATERIALS COMPANY (CALMAT COMPANY) (1)									
1902920	E DUR	6,386	3,959	0.00	0.00	0.00	0.00	0.00	0.00
1903088	1 REL	4,068	2,522	217.10	213.14	213.14	213.14	213.14	213.14
8000063	W DUR	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
NA	TEMP/NEW PERM	NA	NA	458.84	450.48	450.48	450.48	450.48	450.48
SUBTOTAL:		10,454	6,481	675.94	663.62	663.62	663.62	663.62	663.62
WHITTIER, CITY OF (1)									
1901745	9	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901746	10	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901747	11	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901748	12	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1901749	13	1,774	1,100	307.93	309.94	309.94	309.94	309.94	309.94
8000021	FROM	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
8000071	15	5,968	3,700	1,640.88	1,651.57	1,651.57	1,651.57	1,651.57	1,651.57
8000110	16	7,259	4,500	1,583.81	1,594.13	1,594.13	1,594.13	1,594.13	1,594.13
8000135	17	6,452	4,000	1.86	1.87	1.87	1.87	1.87	1.87
8000136	18	6,452	4,000	29.55	29.74	29.74	29.74	29.74	29.74
SUBTOTAL:		27,905	17,300	3,564.03	3,587.25	3,587.25	3,587.25	3,587.25	3,587.25

APPENDIX A

PROJECTED GROUNDWATER DEMANDS FROM 2017-18 TO 2021-22

RECORDATION NUMBER	WELL NAME	WELL CAPACITY		2016-17 PRODUCTION	PROJECTED GROUNDWATER DEMANDS				
		ACRE-FEET	GPM		2017-18	2018-19	2019-20	2020-21	2021-22
WILMOTT, ERMA M.									
8000006	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
WOODLAND, RICHARD									
1902949	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1902950	2	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
WORKMAN MILL INVESTMENT COMPANY (RINCON DITCH COMPANY) (1)									
1902790	4	2,153	1,335	0.00	100.00	100.00	100.00	100.00	100.00
SUBTOTAL:		2,153	1,335	0.00	100.00	100.00	100.00	100.00	100.00
WORKMAN MILL INVESTMENT COMPANY (RINCON IRRIGATION COMPANY) (1)									
1900132	1	NA	NA	0.00	0.00	0.00	0.00	0.00	0.00
1900095	2	1,428	885	0.00	0.00	0.00	0.00	0.00	0.00
SUBTOTAL:		1,428	885	0.00	0.00	0.00	0.00	0.00	0.00
WORKMAN MILL INVESTMENT COMPANY (ROSE HILLS MEMORIAL PARK) (1)									
1900052	3	1,192	739	0.00	0.00	0.00	0.00	0.00	0.00
1900094	1	673	417	0.00	403.02	403.02	403.02	403.02	403.02
SUBTOTAL:		1,865	1,156	0.00	403.02	403.02	403.02	403.02	403.02
TOTAL		**533,574**	**335,183**	**184,449.55**	**199,212.18**	**203,009.67**	**203,630.62**	**207,140.83**	**207,853.36**

NOTES :

GROUNDWATER PRODUCTION AND DEMANDS IN ACRE-FEET
GPM : GALLONS PER MINUTE
NA : NOT AVAILABLE
(1) GROUNDWATER DEMANDS PROJECTED BY WATERMASTER
(2) PROJECTED GROUNDWATER DEMANDS PROVIDED BY PRODUCER
(3) PROJECTED GROUNDWATER DEMANDS PROVIDED BY PRODUCER AND ADJUSTED BY WATERMASTER

APPENDIX B.

Simulated Changes in Groundwater Elevations at Wells or Wellfields in Main San Gabriel Basin

APPENDIX B

SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)
			2016-17	2021-22	
ALHAMBRA, CITY OF					
MOEL (08)	1900010	Active	119.16	118.93	-0.23
09	1900011	Active	121.89	121.88	-0.01
10	1900012	Inactive	119.81	119.51	-0.30
12	1900013	Active	120.16	120.02	-0.14
13	1900014	Inactive	121.34	120.79	-0.55
14	1900015	Active	119.73	119.13	-0.60
15	1900016	Active	128.56	128.18	-0.38
LON 1 LON 2	1903014 1900017	Active Active	128.15	127.36	-0.79
GARF	1900018	Inactive	121.14	121.13	-0.01
11	1903014	Active	120.30	120.21	-0.09
07	1903097	Active	118.75	118.53	-0.22
AMARILLO MUTUAL WATER COMPANY					
01 02	1900791 1900792	Active Active	146.79	146.76	-0.03
ARCADIA, CITY OF					
LON 1	1901013	Active	176.95	176.87	-0.08
LON 2	1901014	Active	177.00	176.87	-0.13
CAM REAL 3	8000213	Active	175.95	176.63	0.68
ST JO 2	8000177	Active	200.34	200.36	0.02
BAL 2	1902791	Inactive	153.37	153.37	0.00
PECK 1	1902854	Active	170.12	169.67	-0.45
L OAK 1	8000127	Active	168.14	168.95	0.81
LGY 3	8000214	Active	160.71	160.75	0.04
AZUSA, CITY OF (AZUSA AGRICULTURE WATER COMPANY, AZUSA VALLEY WATER COMPANY)					
05 (01)	1902533	Active	569.77	569.06	-0.71
06 (03)	1902535	Active	575.79	575.24	-0.55
GENESIS 2 (05)	1902537	Inactive	234.57	234.57	0.00
01 (07)	8000072	Active	614.61	613.47	-1.14
03 (08)	8000086	Active	629.30	628.74	-0.56
02 (1 NORTH)	1902457	Active	628.92	628.44	-0.48
04 (2 SOUTH)	1902458	Active	615.69	614.72	-0.97
08 (AVWC 04)	1902115	Active	575.20	575.21	0.01
07 (AVWC 05)	1902116	Active	570.73	570.29	-0.44
09 (AVWC 06)	1902117	Inactive	239.62	239.61	-0.01
10 (AVWC 08)	8000103	Active	236.95	236.93	-0.02
11	8000178	Active	635.31	635.17	-0.14
12	8000179	Active	644.00	644.00	0.00

APPENDIX B

SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)
			2016-17	2021-22	
CALIFORNIA-AMERICAN WATER COMPANY/DUARTE SYSTEM					
STA FE	1900354	Active	212.23	212.26	0.03
B V	1900355	Inactive			
B V 2	8000216	Active	208.18	208.23	0.05
FISH C	1900358	Inactive	624.09	623.85	-0.24
WILEY	1902907	Active	581.69	581.73	0.04
CR HV	1903018	Active	208.87	208.91	0.04
ENCANTO	8000139	Active	579.86	579.86	0.00
LAS L2	8000140	Active	549.19	549.23	0.04
BACON	1900497	Active	561.31	561.35	0.04
CALIFORNIA-AMERICAN WATER COMPANY/SAN MARINO SYSTEM					
GUESS	1900918	Inactive	144.25	144.24	-0.01
MIVW 2	1900920	Active	147.28	147.28	0.00
GRAND	1900926	Active	138.47	138.43	-0.04
ROSEMEAD	1900927	Inactive	137.78	137.74	-0.04
ROANOKE	1900934	Inactive	122.25	122.25	0.00
LONGDEN	1900935	Active	119.49	118.24	-1.25
HOWLAND	1902424	Active	153.79	153.80	0.01
MAR 3	1903019	Active	153.15	153.15	0.00
DELMAR	1903059	Active	129.98	129.70	-0.28
HALL 2	8000175	Active	157.23	157.24	0.01
CALIFORNIA COUNTRY CLUB					
ARTES	1902531	Standby	171.56	171.56	0.00
SYCAMORE	1903084	Standby	171.56	171.57	0.01
CALIFORNIA DOMESTIC WATER COMPANY					
02	1901181	Active	163.68	160.14	-3.54
06	1902967	Active	164.44	161.35	-3.09
03	1903057	Active	164.26	160.69	-3.57
08	1903081	Active	166.01	163.44	-2.57
05A	8000100	Active	164.78	162.23	-2.55
14	8000174	Active	165.27	161.73	-3.54
CARRIER CORPORATION					
NA	NA	Active	331.69	331.62	-0.07
CITRUS VALLEY MEDICAL CENTER, QUEEN OF THE VALLEY CAMPUS (QUEEN OF THE VALLEY HOSPITAL)					
NA	8000138	Inactive	182.06	181.98	-0.08
COINER, JAMES W., DBA COINER NURSERY (WOODLAND FARM INC.)					
03	1902951	Inactive	169.40	168.40	-1.00
05R	1903072	Active	170.34	170.01	-0.33
COVINA, CITY OF					
01	1901685	Inactive	238.95	238.95	0.00
02 (GRAND)	1901686	Inactive	367.90	367.90	0.00

APPENDIX B

SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)
			2016-17	2021-22	
COVINA IRRIGATING COMPANY					
BAL 3	1900882	Inactive	178.93	177.74	-1.19
BAL 1	1900885	Inactive	179.21	178.56	-0.65
BAL 2	1900883	Inactive			
CROWN CITY PLATING COMPANY					
01	8000012	Inactive	152.99	152.99	0.00
DEL RIO MUTUAL WATER COMPANY					
BURKETT	1900331	Active	169.83	169.82	-0.01
DRIFTWOOD DAIRY					
01	1902924	Inactive	160.97	161.20	0.23
EAST PASADENA WATER COMPANY, LTD.					
09	1901508	Active	149.73	149.68	-0.05
11	8000217	Active			
EL MONTE, CITY OF					
02A	1901692	Active	162.46	162.49	0.03
03	1901693	Inactive	163.17	163.19	0.02
04	1901694	Inactive	163.82	163.83	0.01
10	1901699	Active	163.97	163.97	0.00
12	1903137	Active	161.11	161.14	0.03
13	8000101	Active	161.38	161.41	0.03
GLENDORA, CITY OF					
11-E	1900826	Active	547.52	547.52	0.00
08-E	1900829	Active	595.41	594.37	-1.04
09-E	1900830	Active			
12-G	1900827	Active			
10-E	1900828	Active	551.18	551.18	0.00
07-G	1900831	Inactive	238.46	238.46	0.00
13-E	8000184	Active			
02-E	1901526	Active	553.13	553.12	-0.01
03-G	1901525	Inactive	210.03	210.01	-0.02
04-E	1901524	Inactive			
05-E	8000149	Active	596.54	596.11	-0.43
GOLDEN STATE WATER COMPANY (SOUTHERN CALIFORNIA WATER COMPANY)/SAN DIMAS DISTRICT					
BAS-3	1902148	Active	901.43	901.45	0.02
BAS-4	1902149	Active	883.28	883.32	0.04
HIGHWAY	1902150	Active	906.90	906.92	0.02
HIGHWAY 2	8000212	Active	907.88	907.90	0.02
ART-3	1902842	Active	889.94	889.99	0.05
COL-4	1902268	Active	608.81	608.81	0.00
COL-6	1902270	Inactive	607.48	607.48	0.00
COL-8	1902272	Inactive	776.63	776.63	0.00
CITY	1902286	Active	1024.77	1024.77	0.00
MALON	1902287	Active	998.47	998.49	0.02

APPENDIX B

SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)
			2016-17	2021-22	
GOLDEN STATE WATER COMPANY (SOUTHERN CALIFORNIA WATER COMPANY)/SAN GABRIEL VALLEY DISTRICT					
S G 1	1900510	Active	134.80	134.90	0.10
S G 2	1900511	Active			
SAX 3	1900514	Active	132.10	131.94	-0.16
SAX 4	8000146	Active			
EARL 1	1902144	Inactive	149.48	149.50	0.02
JEF 4	8000111	Active	178.92	178.99	0.07
ENC 1	1902024	Active	146.16	146.17	0.01
ENC 2	1902035	Active	145.02	145.03	0.01
ENC 3	8000073	Active			
PER 1	1902027	Active	160.78	160.99	0.21
GRA 2	1902461	Inactive			
FAR 1	1902034	Active	166.53	166.77	0.24
FAR 2	1902948	Active	165.76	166.01	0.25
GOULD ELECTRONICS INC. AND JOHNSON CONTROLS INC.					
NA SEW		Active	150.97	150.94	-0.03
NA DEW		Active	147.04	147.00	-0.04
HANSON AGGREGATES WEST, INC. (LIVINGSTON-GRAHAM)					
EL 4	1903006	Inactive	178.38	178.39	0.01
EL 1	1901492	Active	178.92	178.94	0.02
EL 3	1901493	Active			
HARTLEY, DAVID					
NA	8000085	Inactive	726.82	726.82	0.00
HEMLOCK MUTUAL WATER COMPANY					
NORTH	1901178	Active	169.78	169.80	0.02
SOUTH	1902806	Active			
INDUSTRY WATERWORKS SYSTEM, CITY OF					
01	1902581	Inactive	169.36	168.52	-0.84
03	8000078	Standby			
04	8000096	Standby			
02	1902582	Inactive			
05	8000097	Active	169.54	168.92	-0.62
LA PUENTE VALLEY COUNTY WATER DISTRICT					
02	1901460	Active	174.26	174.24	-0.02
04	8000062	Standby			
03	1902859	Active	174.64	174.63	-0.01
05	NA	Active			
LOS ANGELES, COUNTY OF					
KEY WELL	3030F	Monitoring	177.93	177.88	-0.05
WHI 1	1902579	Inactive	169.13	169.03	-0.10
SF 1	8000070	Active	203.19	203.19	0.00
BIG RED	8000088	Inactive	171.67	171.61	-0.06
NEW LAKE	8000089	Inactive	168.76	168.66	-0.10
MILLERCOORS LLC (MILLER BREWERIES WEST, L.P./MILLER BREWING COMPANY)					
01	8000075	Active	209.62	209.66	0.04
02	8000076	Inactive	210.31	210.34	0.03

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SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)
			2016-17	2021-22	
MONROVIA, CITY OF					
02	1900418	Active	179.74	179.86	0.12
03	1900419	Active			
04	1900420	Active	185.04	185.11	0.07
05	1940104	Active	182.41	182.50	0.09
06	8000171	Active	182.27	182.36	0.09
MONTEREY PARK, CITY OF					
01	1900453	Active	146.58	146.60	0.02
03	1900455	Inactive	143.66	143.70	0.04
05	1900457	Active	139.56	139.64	0.08
06	1900458	Inactive	142.05	142.12	0.07
07	1902372	Inactive	154.60	154.63	0.03
08	1902373	Inactive	155.61	155.64	0.03
09	1902690	Active	154.63	154.65	0.02
10	1902818	Active	136.94	137.00	0.06
12	1903033	Active	154.05	154.08	0.03
14	1903092	Inactive	151.74	151.76	0.02
FERN	8000126	Active	144.14	144.19	0.05
15	8000196	Active	155.80	155.83	0.03
OWL ROCK PRODUCTS COMPANY					
NA	1902241	Inactive	181.20	181.20	0.00
NA	1903119	Active	604.17	603.77	-0.40
POLOPOLUS ET AL.					
01	1902169	Inactive	179.16	178.90	-0.26
ROWLAND WATER DISTRICT					
NA	NA	Active	331.69	331.62	-0.07
RURBAN HOMES MUTUAL WATER COMPANY					
NORTH 1	1900120	Active	170.07	170.16	0.09
SOUTH 2	1900121	Inactive			
SAN GABRIEL COUNTRY CLUB					
01	1900547	Active	127.95	127.17	-0.78
02	1902979	Active			
SAN GABRIEL COUNTY WATER DISTRICT					
05 BRA	1901669	Inactive	141.85	141.84	-0.01
08	1901672	Inactive	121.49	121.49	0.00
09	1902785	Active	132.38	132.11	-0.27
10	1902786	Inactive	134.35	134.24	-0.11
11	8000067	Active	135.10	134.98	-0.12
12	8000123	Active	135.41	135.29	-0.12
14	8000133	Active	127.95	127.62	-0.33
15	8000220	Active	124.06	123.12	-0.94

APPENDIX B

SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)
			2016-17	2021-22	
SAN GABRIEL VALLEY WATER COMPANY					
G4A	1900725	Active	145.96	145.85	-0.11
B1	1902635	Inactive	172.58	172.57	-0.01
B5A	1900718	Inactive			
B5B	1900719	Active	167.92	165.97	-1.95
B5C	8000112	Inactive			
B5D	8000160	Active	168.59	166.75	-1.84
B5E	NA	Active	167.05	164.87	-2.18
B25A	8000187	Active	163.76	163.27	-0.49
B25B	8000188	Active			
B26A	8000189	Active	170.56	170.51	-0.05
B26B	8000190	Active			
8A	1900736	Inactive			
8B	1900746	Active	156.06	156.12	0.06
8C	1900747	Active			
8E	8000113	Active			
8D	1903103	Active	155.98	156.04	0.06
8F	8000169	Active			
1B	1900729	Active	166.29	166.91	0.62
1C	1902946	Active			
1D	8000102	Active			
1E	8000172	Active			
2D	1902857	Active	162.86	163.50	0.64
2E	8000065	Active			
2F	8000197	Active			
11A	1900739	Active	170.58	170.69	0.11
11B	1900745	Active			
11C	1902713	Active	169.58	169.97	0.39
B4B	1902858	Inactive	168.21	168.03	-0.18
B4C	1902947	Inactive			
B6C	1903093	Active	174.08	174.07	-0.01
B6D	8000098	Active			
B7C	8000068	Inactive			
B7E	8000122	Active	200.86	201.20	0.34
B2	1902525	Inactive	173.06	173.04	-0.02
B11A	1901439	Inactive			
B11B	8000108	Active	191.72	192.61	0.89
B9B	8000099	Active	188.16	189.04	0.88
B24A	8000203	Active	204.23	204.47	0.24
B24B	8000204	Active			
SIERRA LA VERNE COUNTRY CLUB					
01	8000124	Inactive	1054.91	1054.89	-0.02
02	8000125	Inactive	1065.82	1065.81	-0.01
SONOCO PRODUCTS COMPANY					
01	1912786	Inactive			
02	1902971	Inactive			
2	8000137	Active	170.33	169.97	-0.36
SOUTH PASADENA, CITY OF					
GRAV 2	1901679	Active	121.48	121.48	0.00
WIL 2	1901681	Inactive	120.84	120.83	-0.01
WIL 3	1901682	Active	121.11	121.09	-0.02
WIL 4	1903086	Active			

APPENDIX B

SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)
			2016-17	2021-22	
SOUTHERN CALIFORNIA EDISON COMPANY					
110RH	8000046	Active	180.68	180.69	0.01
STERLING MUTUAL WATER COMPANY					
NEW SO.	8000132	Active	166.56	166.69	0.13
NORTH	1902096	Active			
SUBURBAN WATER SYSTEMS					
121W-1	8000181	Active	187.01	186.93	-0.08
125W-2	8000087	Inactive	229.52	229.57	0.05
126W-2	8000092	Inactive	234.07	234.14	0.07
139W-2	1901599	Inactive	178.79	178.75	-0.04
139W-4	8000069	Inactive			
139W-5	8000095	Inactive	178.44	178.40	-0.04
139W-6	8000152	Inactive			
140W-3	1903067	Standby			
140W-4	8000093	Inactive			
140W-5	8000145	Active	177.74	177.69	-0.05
142W-2	8000183	Active	183.60	183.46	-0.14
147W-3	8000077	Active	195.53	196.22	0.69
151W-2	8000207	Active	183.76	183.57	-0.19
155W-1	1902819	Inactive	277.15	277.15	0.00
201W-9	8000208	Active	167.55	167.05	-0.50
201W-7	8000195	Active	168.00	167.59	-0.41
201W-8	8000198	Active	168.54	168.14	-0.40
201W-10	8000210	Active	170.15	169.88	-0.27
SUNNY SLOPE WATER COMPANY					
08	1900026	Active	138.57	138.30	-0.27
09	1902792	Active			
10	8000048	Inactive	146.23	146.20	-0.03
13	8000157	Active	138.68	138.40	-0.28
TYLER NURSERY					
NA	8000049	Inactive	168.17	168.16	-0.01
UNITED ROCK PRODUCTS CORPORATION					
IRW-1	1900106	Active	187.71	187.72	0.01
IRW-2	1903062	Active	189.40	189.41	0.01
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY					
MW4-1	NA	Monitoring	172.37	172.37	0.00
MW4-2	NA	Monitoring	171.96	171.97	0.01
MW4-3	NA	Monitoring	191.45	191.45	0.00
MW4-4	NA	Monitoring	169.68	169.66	-0.02
MW4-5	NA	Monitoring	167.96	168.05	0.09
MW4-6	NA	Monitoring	168.75	168.85	0.10
MW4-7	NA	Monitoring	173.64	173.65	0.01
MW4-8	NA	Monitoring	173.85	173.85	0.00
MW4-9	NA	Monitoring	174.04	174.05	0.01
MW4-10	NA	Monitoring	165.99	166.01	0.02

APPENDIX B

SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)
			2016-17	2021-22	
MW4-11	NA	Monitoring	168.16	168.14	-0.02
MW5-1	NA	Monitoring	170.18	170.12	-0.06
MW5-3	NA	Monitoring	171.88	171.85	-0.03
MW5-5	NA	Monitoring	173.17	173.18	0.01
MW5-8	NA	Monitoring	179.75	179.39	-0.36
MW5-11	NA	Monitoring	191.68	191.36	-0.32
MW5-13	NA	Monitoring	173.71	173.70	-0.01
MW5-15	NA	Monitoring	174.39	174.39	0.00
MW5-17	NA	Monitoring	196.52	196.33	-0.19
MW5-18	NA	Monitoring	210.79	210.76	-0.03
MW5-19	NA	Monitoring	176.41	176.38	-0.03
MW5-20	NA	Monitoring	203.12	203.06	-0.06
MW5-22	NA	Monitoring	198.89	198.75	-0.14
MW5-23	NA	Monitoring	168.97	166.92	-2.05
MW6-1	NA	Monitoring	172.91	172.88	-0.03
MW6-2	NA	Monitoring	169.82	169.32	-0.50
MW6-4	NA	Monitoring	167.39	166.97	-0.42
MW6-5	NA	Monitoring	179.01	179.03	0.02
MW6-6	NA	Monitoring	171.97	171.97	0.00
MW6-7	NA	Monitoring	216.37	216.42	0.05
MW6-8	NA	Monitoring	217.29	217.35	0.06
EW4-3	NA	Remedial	167.81	167.88	0.07
EW4-4	NA	Remedial	168.06	168.23	0.17
EW4-5	8000200	Remedial	167.98	168.17	0.19
EW4-9	NA	Remedial			
EW4-6	8000201	Remedial	169.22	169.22	0.00
EW4-10	NA	Remedial			
EW4-7	8000202	Remedial	168.26	168.41	0.15
EW4-8	NA	Remedial	167.69	167.76	0.07
VALENCIA HEIGHTS WATER COMPANY					
06	8000180	Active			
04	8000054	Inactive	226.53	226.55	0.02
05	8000120	Active	267.96	267.52	-0.44
07	8000211	Active			
VALLEY COUNTY WATER DISTRICT					
E MAINE	1900027	Active	178.27	178.22	-0.05
W MAINE	1900028	Active			
MORADA	1900029	Inactive	200.34	200.27	-0.07
E NIXON (JOAN)	1900032	Active	177.71	177.69	-0.02
W NIXON (JOAN)	1902356	Active			
ARROW	1900034	Inactive			
LANTE (SA1-3)	8000060	Active	183.39	181.89	-1.50
PALM	8000039	Inactive	176.96	176.95	-0.01
B DALTON	1900035	Inactive	176.80	176.75	-0.05
PADDY LN	1900031	Inactive	174.59	174.58	-0.01
SA1-1	8000185	Active	185.39	184.52	-0.87
SA1-2	8000186	Inactive	182.18	181.19	-0.99

APPENDIX B

SIMULATED CHANGES IN GROUNDWATER ELEVATION AT WELLS OR WELLFIELDS IN MAIN SAN GABRIEL BASIN

WELL OR WELLFIELD	RECORDATION NUMBER	WELL STATUS	SIMULATED ELEVATION (1)		CHANGE (2) (FEET)
			2016-17	2021-22	
VALLEY VIEW MUTUAL WATER COMPANY					
01	1900363	Active			
02	1900364	Active	178.76	178.80	0.04
VULCAN MATERIALS COMPANY (CALMAT COMPANY)					
REL 1	1903088	Active	206.99	207.00	0.01
WHITTIER, CITY OF					
13	1901749	Active	169.58	169.40	-0.18
15	8000071	Active	168.66	168.47	-0.19
16	8000110	Active	168.24	168.01	-0.23
17	8000135	Active			
18	8000136	Active	167.60	167.37	-0.23
WOODLAND, RICHARD					
01	1902949	Inactive	169.05	167.94	-1.11
02	1902950	Inactive			
WORKMAN MILL INVESTMENT COMPANY (RINCON DITCH COMPANY)					
04	1902790	Inactive	170.48	170.13	-0.35
WORKMAN MILL INVESTMENT COMPANY (RINCON IRRIGATION COMPANY)					
02	1900095	Inactive	170.44	170.18	-0.26
WORKMAN MILL INVESTMENT COMPANY (ROSE HILLS MEMORIAL PARK)					
03	1900052	Inactive	170.33	170.04	-0.29
01	1900094	Inactive	172.00	171.50	-0.50
				AVERAGE CHANGE	**-0.20**

(1) SIMULATED ELEVATION IN FEET ABOVE MEAN SEA LEVEL
(2) DIFFERENCE BETWEEN 2021-22 AND 2016-17 SIMULATED ELEVATIONS

APPENDIX C.

HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS AND NITRATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS
AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
ADAMS RANCH MUTUAL WATER COMPANY								
01	MUNICIPAL	INACTIVE	TCE	2.2	05/88	ND	02/97	
			NITRATE (NO3)	97.0	04/92	38.9	02/97	
			NITRATE (N)	21.9	04/92	8.8	02/97	
			CLO4	NA	NA	NA	NA	
02	MUNICIPAL	INACTIVE	TCE	3.5	08/86	2.5	09/86	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
03	MUNICIPAL	INACTIVE	TCE	22.0	05/15	14	02/16	VULNERABLE
			PCE	10.0	05/15	6.6	02/16	(VOCS) (1)
			NITRATE (NO3)	21.0	03/04	20.0	05/15	
			NITRATE (N)	4.7	03/04	4.5	05/15	
			CLO4	ND	08/08	ND	02/16	
			AS	ND	05/03	ND	05/15	
			CR6	1.1	08/13	1.1	08/13	
ALHAMBRA, CITY OF								
07	MUNICIPAL	ACTIVE	TCE	13.4	08/91	13.0	05/17	VULNERABLE
			PCE	0.8	04/07	0.5	05/17	(VOCS AND NITRATE) (1)
			C-1,2-DCE	1.6	02/05	1.4	05/17	
			CTC	0.6	02/85	ND	05/17	
			NITRATE (NO3)	53.2	07/93	44.3	05/17	
			NITRATE (N)	12.0	07/93	10.0	05/17	
			CLO4	2.4	10/07	ND	05/17	
			AS	0.7	07/96	ND	05/17	
			CR6	9.0	07/01	8.3	05/17	
09	MUNICIPAL	ACTIVE	TCE	21.1	08/08	2.8	04/17	VULNERABLE
			C-1,2-DCE	2.3	10/07	ND	04/17	(VOCS, NITRATE, AND CLO4)
			NITRATE (NO3)	62.0	12/16	57.5	05/17	
			NITRATE (N)	14.0	12/16	13.0	05/17	
			CLO4	4.7	02/14	ND	05/17	
			AS	0.9	07/96	ND	01/17	
			CR6	5.7	12/05	4.7	01/17	
10	IRRIGATION	INACTIVE	TCE	30.1	02/09	22.0	10/10	
			C-1,2-DCE	5.8	03/05	ND	10/10	
			1,1-DCE	0.5	03/05	ND	10/10	
			NITRATE (NO3)	56.3	01/07	55.0	10/10	
			NITRATE (N)	12.7	01/07	12.4	10/10	
			CLO4	ND	08/97	ND	08/97	
11	MUNICIPAL	ACTIVE	PCE	4.7	05/12	3.4	05/17	VULNERABLE
			TCE	4.2	05/89	0.5	07/16	(VOCS AND NITRATE) (1)
			C-1,2-DCE	1.5	04/08	ND	07/16	
			NITRATE (NO3)	48.0	10/12	38.5	07/16	
			NITRATE (N)	10.8	10/12	8.7	07/16	
			CLO4	ND	08/97	ND	05/17	
			AS	0.8	07/96	ND	04/15	
			CR6	7.7	06/01	5.4	09/13	
12	MUNICIPAL	ACTIVE	TCE	39.4	08/08	30.0	05/17	VULNERABLE
			PCE	1.7	01/14	1.7	05/17	(VOCS AND NITRATE) (1)
			C-1,2-DCE	41.0	05/17	41.0	05/17	
			1,1-DCE	0.8	09/08	0.8	05/17	
			T-1,2-DCE	0.9	09/08	ND	05/17	
			NITRATE (NO3)	42.0	01/14	9.7	05/17	
			NITRATE (N)	9.5	01/14	2.2	05/17	
			CLO4	ND	08/08	ND	04/17	
			AS	ND	08/89	ND	07/14	
			CR6	3.6	09/13	3.6	09/13	
13	MUNICIPAL	INACTIVE	TCE	0.5	08/07	ND	04/14	
			NITRATE (NO3)	59.0	07/13	59.0	07/13	
			NITRATE (N)	13.3	07/13	13.3	07/13	
			CLO4	ND	03/97	ND	01/14	
			AS	8.0	06/78	ND	11/10	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS
AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			CR6	7.1	08/01	4.6	09/13	
14	MUNICIPAL	ACTIVE	TCE	2.4	08/08	0.7	05/17	VULNERABLE
			NITRATE (NO3)	46.0	08/12	12.8	05/17	(NITRATE)
			NITRATE (N)	10.4	08/12	2.9	05/17	
			CLO4	ND	08/97	ND	04/17	
			AS	0.6	07/96	ND	10/16	
			CR6	5.8	06/01	4.8	10/16	
15	MUNICIPAL	ACTIVE	PCE	0.8	10/14	ND	05/17	VULNERABLE
			NITRATE (NO3)	28.0	10/12	10.2	05/17	(NITRATE)
			NITRATE (N)	6.3	10/12	2.3	05/17	
			CLO4	ND	08/97	ND	04/17	
			AS	1.5	07/96	ND	04/16	
			CR6	4.1	12/00	3.2	04/16	
GARF	MUNICIPAL	INACTIVE	TCE	11.0	08/82	ND	09/93	
			PCE	0.5	11/87	ND	09/93	
			CTC	0.1	04/80	ND	09/93	
			1,1,2,2-PCA	1.0	11/87	ND	09/93	
			NITRATE (NO3)	68.1	08/89	53.6	09/93	
			NITRATE (N)	15.4	08/89	12.1	09/93	
			CLO4	NA	NA	NA	NA	
			AS	ND	06/80	ND	08/92	
LON 1	MUNICIPAL	ACTIVE	PCE	0.3	07/81	ND	07/16	VULNERABLE
			NITRATE (NO3)	33.0	09/11	27.9	05/17	(NITRATE AND CLO4)
			NITRATE (N)	7.5	09/11	6.3	05/17	
			CLO4	5.0	12/97	ND	04/17	
			AS	2.4	07/95	ND	07/16	
			CR6	7.2	06/01	6.4	07/16	
LON 2	MUNICIPAL	ACTIVE	PCE	1.3	06/10	ND	07/16	VULNERABLE
			NITRATE (NO3)	50.4	04/86	23.5	02/17	(NITRATE AND CLO4)
			NITRATE (N)	11.4	04/86	5.3	02/17	
			CLO4	5.6	07/97	ND	04/17	
			AS	0.8	07/96	ND	04/17	
			CR6	9.5	06/01	6.8	04/17	
MOEL (8)	MUNICIPAL	ACTIVE	TCE	23.0	07/14	19.0	05/17	VULNERABLE
			PCE	1.6	07/08	1.1	05/17	(VOCS AND NITRATE) (1)
			C-1,2-DCE	2.6	05/17	2.6	05/17	
			NITRATE (NO3)	76.0	07/08	53.1	05/17	
			NITRATE (N)	17.2	07/08	12.0	05/17	
			CLO4	ND	12/99	ND	08/16	
			AS	0.9	07/96	ND	08/16	
			CR6	6.6	10/14	6.6	08/16	
AMARILLO MUTUAL WATER COMPANY								
01	MUNICIPAL	ACTIVE	PCE	5.5	10/99	1.3	05/17	VULNERABLE
			TCE	1.3	11/14	0.6	05/17	(VOCS AND NITRATE)
			CTC	0.1	08/82	ND	11/16	
			NITRATE (NO3)	27.4	10/99	15.9	05/17	
			NITRATE (N)	6.2	10/99	3.6	05/17	
			CLO4	ND	08/97	ND	08/16	
			AS	0.5	07/96	ND	08/16	
			CR6	8.6	08/16	8.6	08/16	
02	MUNICIPAL	ACTIVE	PCE	6.3	08/16	5.1	05/17	VULNERABLE
			TCE	2.3	08/16	1.9	05/17	(VOCS AND NITRATE)
			NITRATE (NO3)	29.9	02/96	21.2	05/17	
			NITRATE (N)	6.8	02/96	4.8	05/17	
			CLO4	ND	08/97	ND	08/16	
			AS	0.4	07/96	ND	08/16	
			CR6	6.9	08/13	5.9	08/16	
ANDERSON FAMILY MARITAL TRUST								
01	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	

APPENDIX C
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AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			CLO4	NA	NA	NA	NA	
ARCADIA, CITY OF								
BAL 1	MUNICIPAL	DESTROYED	VOCS	ND	09/98	ND	09/98	
			NITRATE (NO3)	52.0	04/78	3.0	09/98	
			NITRATE (N)	11.7	04/78	0.7	09/98	
			CLO4	NA	NA	NA	NA	
BAL 2	MUNICIPAL	INACTIVE	VOCS	ND	05/89	ND	06/09	
			NITRATE (NO3)	33.4	05/08	28.0	06/09	
			NITRATE (N)	7.5	05/08	6.3	06/09	
			CLO4	ND	08/97	ND	07/08	
			AS	0.7	08/96	ND	03/09	
			CR6	11.1	06/01	11.1	06/01	
CAM REAL 1	MUNICIPAL	DESTROYED	VOCS	ND	01/85	ND	05/92	
			NITRATE (NO3)	28.1	05/91	22.4	08/92	
			NITRATE (N)	6.3	05/91	5.1	08/92	
			CLO4	NA	NA	NA	NA	
			AS	ND	03/09	ND	08/92	
CAM REAL 2	MUNICIPAL	DESTROYED	VOCS	ND	05/89	ND	06/98	
			NITRATE (NO3)	58.0	05/92	39.0	05/98	
			NITRATE (N)	13.1	05/92	8.8	05/98	
			CLO4	ND	08/97	ND	12/97	
			AS	0.4	08/96	ND	06/98	
CAM REAL 3	MUNICIPAL	ACTIVE	VOCS	ND	03/11	ND	10/16	
			NITRATE (NO3)	19.5	01/16	16.8	01/17	
			NITRATE (N)	4.4	01/16	3.8	01/17	
			CLO4	ND	03/11	ND	07/16	
			AS	ND	03/10	ND	01/16	
			CR6	6.4	09/13	4.4	01/16	
L OAK 1	MUNICIPAL	ACTIVE	PCE	1.4	01/08	ND	04/17	VULNERABLE
			TCE	6.0	02/15	4.8	04/17	(VOCS AND NITRATE)
			NITRATE (NO3)	31.0	05/15	19.5	04/17	
			NITRATE (N)	7.0	05/15	4.4	04/17	
			CLO4	ND	08/97	ND	07/16	
			AS	0.6	08/96	ND	04/17	
			CR6	3.1	04/17	3.1	04/17	
LGY	MUNICIPAL	DESTROYED	VOCS	ND	01/08	ND	01/08	
			NITRATE (NO3)	104.0	01/08	104.0	01/08	
			NITRATE (N)	23.5	01/08	23.5	01/08	
			CLO4	6.0	01/08	6.0	01/08	
LGY 3	MUNICIPAL	ACTIVE	VOCS	ND	06/11	ND	10/16	
			NITRATE (NO3)	9.3	01/15	9.3	01/17	
			NITRATE (N)	2.1	01/15	2.1	01/17	
			CLO4	ND	06/11	ND	07/16	
			AS	ND	03/11	ND	01/17	
			CR6	8.7	01/17	8.7	01/17	
LON 1	MUNICIPAL	ACTIVE	TCE	30.0	07/87	0.9	02/17	VULNERABLE
			PCE	2.7	07/87	ND	02/17	(VOCS AND NITRATE) (1)
			1,1-DCE	4.1	06/87	ND	08/16	
			1,2-DCA	1.4	07/87	ND	08/16	
			1,1,1-TCA	4.6	07/87	ND	07/16	
			NITRATE (NO3)	62.0	07/16	8.0	02/17	
			NITRATE (N)	14.0	07/16	1.8	02/17	
			CLO4	ND	12/97	ND	07/16	
			AS	ND	04/85	ND	06/14	
			CR6	1.9	11/00	1.5	09/13	
LON 2	MUNICIPAL	ACTIVE	TCE	62.0	01/85	4.7	01/17	VULNERABLE
			PCE	7.7	01/82	0.8	02/17	(VOCS AND NITRATE) (1)
			CTC	2.6	09/87	ND	08/16	
			1,1-DCE	0.9	05/87	ND	08/16	
			1,1,1-TCA	12.0	01/85	ND	07/16	
			NITRATE (NO3)	109.1	05/85	44.3	01/17	

APPENDIX C
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AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			NITRATE (N)	24.6	05/85	10.0	01/17	
			CLO4	ND	07/97	ND	07/16	
			AS	0.7	08/96	ND	01/16	
			CR6	4.7	01/16	4.7	01/16	
PECK 1	MUNICIPAL	ACTIVE	VOCS	ND	05/89	ND	05/17	
			NITRATE (NO3)	11.0	08/09	1.9	05/17	
			NITRATE (N)	2.5	08/09	0.4	05/17	
			CLO4	ND	08/97	ND	07/16	
			AS	2.4	09/94	ND	06/14	
			CR6	1.0	11/00	0.7	09/13	
ST JO 1	MUNICIPAL	DESTROYED	TCE	5.4	01/02	4.8	02/02	
			PCE	2.7	08/91	2.2	02/02	
			NITRATE (NO3)	60.0	06/96	46.0	06/02	
			NITRATE (N)	13.6	06/96	10.4	06/02	
			CLO4	1.0	08/97	ND	01/02	
			AS	0.3	08/96	ND	06/01	
ST JO 2	MUNICIPAL	ACTIVE	TCE	2.4	12/09	0.9	05/17	VULNERABLE
			PCE	9.8	09/16	5.8	05/17	(VOCS, NITRATE, AND CLO4)
			NITRATE (NO3)	51.0	12/04	48.7	05/17	
			NITRATE (N)	11.5	12/04	11.0	05/17	
			CLO4	8.6	06/02	ND	07/16	
			AS	ND	06/02	ND	04/17	
			CR6	3.2	11/02	2.6	04/17	
ATTALLA, MARY L.								
NA	IRRIGATION	INACTIVE	VOCS	ND	09/96	ND	04/98	
			NITRATE (NO3)	19.4	04/98	19.4	04/98	
			NITRATE (N)	4.4	04/98	4.4	04/98	
			CLO4	ND	04/98	ND	04/98	
AZUSA ASSOCIATES LLC								
DALTON	IRRIGATION	DESTROYED	VOCS	ND	03/98	ND	03/98	
			NITRATE (NO3)	4.7	03/98	4.7	03/98	
			NITRATE (N)	1.1	03/98	1.1	03/98	
			CLO4	ND	03/98	ND	03/98	
AZUSA, CITY OF								
AVWC 01	MUNICIPAL	DESTROYED	VOCS	ND	09/97	ND	09/97	
			NITRATE (NO3)	55.0	08/87	32.1	09/97	
			NITRATE (N)	12.4	08/87	7.3	09/97	
			CLO4	5.6	09/97	5.6	09/97	
AVWC 02	MUNICIPAL	DESTROYED	VOCS	ND	01/98	ND	01/98	
			NITRATE (NO3)	43.1	01/98	43.1	01/98	
			NITRATE (N)	9.7	01/98	9.7	01/98	
			CLO4	6.9	01/98	6.9	01/98	
AVWC 07	MUNICIPAL	DESTROYED	TCE	4.5	01/80	ND	03/85	
			NITRATE (NO3)	107.0	02/77	39.4	12/85	
			NITRATE (N)	24.2	02/77	8.9	12/85	
			CLO4	NA	NA	NA	NA	
GENESIS 1 (OLD 04)	MUNICIPAL	DESTROYED	MTBE	1.2	11/98	1.1	11/98	
			NITRATE (NO3)	126.6	06/87	109.8	11/98	
			NITRATE (N)	28.6	06/87	24.8	11/98	
			CLO4	7.2	11/98	7.2	11/98	
			AS	5.0	08/79	ND	02/88	
GENESIS 2 (OLD 05)	MUNICIPAL	INACTIVE	TCE	250.0	12/79	3.7	02/08	
			PCE	95.0	04/80	1.0	02/08	
			1,1-DCE	18.0	02/08	18.0	02/08	
			1,1,1-TCA	2.5	02/08	2.5	02/08	
			NITRATE (NO3)	105.5	02/93	15.9	02/08	
			NITRATE (N)	23.8	02/93	3.6	02/08	
			CLO4	ND	11/98	ND	02/08	
			AS	ND	12/89	ND	02/08	

APPENDIX C
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AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
GENESIS 3	MUNICIPAL	DESTROYED	PCE	3.5	03/97	ND	03/97	
(OLD 06)			TCE	0.1	01/80	ND	03/97	
			NITRATE (NO3)	112.9	06/86	ND	04/01	
			NITRATE (N)	25.5	06/86	ND	04/01	
			CLO4	NA	NA	NA	NA	
01	MUNICIPAL	ACTIVE	VOCS	ND	06/87	ND	11/16	
(OLD 07)			NITRATE (NO3)	4.5	07/97	2.2	09/16	
			NITRATE (N)	1.0	07/97	0.5	09/16	
			CLO4	ND	07/97	ND	08/16	
			AS	5.1	08/95	2.3	08/16	
			CR6	1.0	11/00	ND	08/16	
02	MUNICIPAL	ACTIVE	VOCS	ND	06/89	ND	08/16	
(01 NORTH)			NITRATE (NO3)	5.5	03/92	ND	12/16	
			NITRATE (N)	1.2	03/92	ND	12/16	
			CLO4	ND	07/97	ND	08/16	
			AS	4.3	07/96	2.9	09/14	
			CR6	1.0	11/00	0.1	08/13	
03	MUNICIPAL	ACTIVE	VOCS	ND	06/87	ND	08/16	
(OLD 08)			NITRATE (NO3)	4.4	03/95	ND	08/16	
			NITRATE (N)	1.0	03/95	ND	08/16	
			CLO4	ND	07/97	ND	08/16	
			AS	5.0	08/06	2.9	08/15	
			CR6	1.0	11/00	ND	08/15	
04	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	08/16	
(02 SOUTH)			NITRATE (NO3)	5.5	06/89	2.3	09/16	
			NITRATE (N)	1.2	06/89	ND	09/16	
			CLO4	ND	07/97	ND	08/16	
			AS	5.0	08/05	2.8	08/14	
			CR6	1.0	11/00	0.1	08/13	
05	MUNICIPAL	ACTIVE	TCE	1.0	12/80	ND	08/16	VULNERABLE
(OLD 01)			PCE	0.3	12/80	ND	08/16	(NITRATE)
			NITRATE (NO3)	22.9	07/95	7.1	12/16	
			NITRATE (N)	5.2	07/95	1.6	12/16	
			CLO4	ND	07/97	ND	08/16	
			AS	2.6	07/95	ND	08/16	
			CR6	1.0	11/00	ND	08/16	
06	MUNICIPAL	ACTIVE	VOCS	ND	03/85	ND	08/16	
(OLD 03)			NITRATE (NO3)	14.2	03/95	2.0	08/16	
			NITRATE (N)	3.2	03/95	0.5	08/16	
			CLO4	ND	07/97	ND	08/16	
			AS	3.5	07/95	ND	08/16	
			CR6	1.0	11/00	ND	08/16	
07	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	08/16	VULNERABLE
(AVWC 05)			NITRATE (NO3)	24.7	04/95	2.7	08/16	(NITRATE)
			NITRATE (N)	5.6	04/95	0.6	08/16	
			CLO4	ND	06/97	ND	08/16	
			AS	3.5	08/14	3.5	08/14	
			CR6	1.0	11/00	0.3	08/13	
08	MUNICIPAL	ACTIVE	TCE	0.8	03/94	ND	08/16	
(AVWC 04)			NITRATE (NO3)	12.1	09/94	2.8	08/16	
			NITRATE (N)	2.7	09/94	0.6	08/16	
			CLO4	ND	07/97	ND	08/16	
			AS	4.2	07/95	2.4	08/16	
			CR6	1.0	11/00	ND	08/16	
09	MUNICIPAL	INACTIVE	PCE	7.4	12/87	0.6	01/99	
(AVWC 06)			NITRATE (NO3)	117.7	12/89	84.0	01/99	
			NITRATE (N)	26.6	12/89	19.0	01/99	
			CLO4	NA	NA	NA	NA	
			AS	ND	02/87	ND	01/99	
10	MUNICIPAL	ACTIVE	PCE	1.0	05/15	1.0	05/17	VULNERABLE
(AVWC 08)			NITRATE (NO3)	66.0	05/08	53.1	05/17	(NITRATE AND CLO4)

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			NITRATE (N)	14.9	05/08	12.0	05/17	
			CLO4	12.6	08/05	7.8	05/17	
			AS	1.8	07/96	ND	11/15	
			CR6	2.5	11/15	2.5	11/15	
11	MUNICIPAL	ACTIVE	VOCS	ND	06/02	ND	08/16	
			NITRATE (NO3)	3.7	08/08	1.9	08/16	
			NITRATE (N)	0.8	08/08	0.4	08/16	
			CLO4	ND	06/02	ND	08/16	
			AS	4.0	08/05	2.5	08/14	
			CR6	0.2	08/13	0.2	08/13	
12	MUNICIPAL	ACTIVE	VOCS	ND	06/02	ND	08/16	
			NITRATE (NO3)	3.9	08/08	1.9	08/16	
			NITRATE (N)	0.9	08/08	0.4	08/16	
			CLO4	ND	06/02	ND	08/16	
			AS	4.0	08/05	2.9	08/14	
			CR6	0.5	08/13	0.5	08/13	
B & B RED-I-MIX CONCRETE INC.								
03	INDUSTRIAL	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
BANKS, GALE & VICKI								
NA	IRRIGATION	ACTIVE	VOCS	ND	08/96	ND	10/10	
			NITRATE (NO3)	20.7	10/98	17.0	10/10	
			NITRATE (N)	4.7	10/98	3.8	10/10	
			CLO4	ND	09/97	ND	09/97	
BASELINE WATER COMPANY								
01	IRRIGATION	DESTROYED	VOCS	ND	02/98	ND	02/98	
			NITRATE (NO3)	99.7	02/98	99.7	02/98	
			NITRATE (N)	22.5	02/98	22.5	02/98	
			CLO4	12.9	02/98	12.9	02/98	
02	IRRIGATION	DESTROYED	VOCS	ND	11/98	ND	11/98	
			NITRATE (NO3)	74.3	11/98	74.3	11/98	
			NITRATE (N)	16.8	11/98	16.8	11/98	
			CLO4	10.6	11/98	10.6	11/98	
03	IRRIGATION	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
BEVERLY ACRES MUTUAL WATER USERS ASSOCIATION								
ROSE HILLS	MUNICIPAL	DESTROYED	TCE	8.4	10/88	2.5	03/93	
			PCE	6.0	10/88	2.8	03/93	
			C-1,2-DCE	8.0	08/86	2.4	03/93	
			NITRATE (NO3)	22.5	08/86	14.6	09/90	
			NITRATE (N)	5.1	08/86	3.3	09/90	
			CLO4	NA	NA	NA	NA	
			AS	ND	09/89	ND	08/91	
BIRENBAUM, MAX								
NA	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
BOTELLO WATER COMPANY								
NA	MUNICIPAL	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS
AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
BURBANK DEVELOPMENT COMPANY								
BURB	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
CALIFORNIA-AMERICAN WATER COMPANY/DUARTE SYSTEM								
B V	MUNICIPAL	STANDBY	VOCS	ND	02/85	ND	08/16	
			NITRATE (NO3)	3.9	10/10	3.0	08/16	
			NITRATE (N)	0.9	10/10	0.7	08/16	
			CLO4	ND	06/97	ND	08/16	
			AS	6.0	07/93	3.0	08/16	
			CR6	1.0	12/00	0.5	03/13	
B V 2	MUNICIPAL	ACTIVE	VOCS	ND	03/12	ND	12/16	
			NITRATE (NO3)	4.1	12/14	3.0	09/16	
			NITRATE (N)	0.9	12/14	0.7	09/16	
			CLO4	ND	09/12	ND	09/16	
			AS	ND	12/14	ND	08/16	
			CR6	1.0	04/11	ND	12/16	
BACON	MUNICIPAL	ACTIVE	VOCS	ND	09/15	ND	09/16	
			NITRATE (NO3)	10.0	10/81	4.4	09/16	
			NITRATE (N)	2.3	10/81	1.0	09/16	
			CLO4	ND	06/97	ND	09/16	
			AS	6.0	09/93	ND	09/16	
			CR6	0.4	06/11	ND	12/16	
CR HV	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	09/16	
			NITRATE (NO3)	8.5	12/13	8.0	09/16	
			NITRATE (N)	1.9	12/13	1.8	09/16	
			CLO4	ND	06/97	ND	09/16	
			AS	3.0	09/04	ND	09/16	
			CR6	1.0	12/00	ND	09/16	
ENCANTO	MUNICIPAL	ACTIVE	VOCS	ND	12/92	ND	12/16	
			NITRATE (NO3)	11.3	12/92	3.9	09/16	
			NITRATE (N)	2.6	12/92	0.9	09/16	
			CLO4	ND	06/97	ND	09/16	
			AS	4.6	08/95	2.5	09/16	
			CR6	1.0	12/00	ND	09/16	
FISH C	MUNICIPAL	STANDBY	VOCS	ND	02/85	ND	03/14	
			NITRATE (NO3)	6.7	11/94	2.5	12/13	
			NITRATE (N)	1.5	11/94	0.6	12/13	
			CLO4	ND	06/97	ND	09/14	
			AS	13.0	09/80	ND	10/10	
			CR6	1.0	12/00	0.1	03/13	
LAS L	MUNICIPAL	DESTROYED	VOCS	ND	02/85	ND	06/91	
			NITRATE (NO3)	12.1	08/80	4.1	09/91	
			NITRATE (N)	2.7	08/80	0.9	09/91	
			CLO4	NA	NA	NA	NA	
			AS	18.0	06/78	ND	11/94	
LAS L2	MUNICIPAL	ACTIVE	TCE	1.6	08/96	ND	09/16	
			NITRATE (NO3)	16.6	12/92	5.3	09/16	
			NITRATE (N)	3.7	12/92	1.2	09/16	
			CLO4	ND	06/97	ND	09/16	
			AS	3.1	08/95	2.0	09/16	
			CR6	1.0	06/01	ND	09/16	
MT AVE	MUNICIPAL	DESTROYED	TCE	16.5	07/87	ND	09/93	
			PCE	1.0	08/82	ND	09/93	
			1,1,1-TCA	8.4	04/85	ND	09/93	
			1,1-DCE	3.4	07/87	ND	09/93	
			T-1,2-DCE	2.0	04/85	ND	09/93	
			NITRATE (NO3)	65.0	05/89	10.1	09/93	
			NITRATE (N)	14.7	05/89	2.3	09/93	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS
AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			CLO4	NA	NA	NA	NA	
			AS	ND	05/89	ND	05/89	
STA FE	MUNICIPAL	ACTIVE	TCE	3.3	04/84	ND	09/15	VULNERABLE
			NITRATE (NO3)	59.0	01/80	3.5	09/16	(VOCS AND NITRATE)
			NITRATE (N)	13.3	01/80	0.8	09/16	
			CLO4	ND	06/97	ND	09/16	
			AS	3.0	08/79	ND	09/16	
			CR6	1.0	12/00	ND	09/16	
WILEY	MUNICIPAL	ACTIVE	VOCS	ND	09/01	ND	09/16	
			NITRATE (NO3)	11.0	03/81	4.9	09/16	
			NITRATE (N)	2.5	03/81	1.1	09/16	
			CLO4	ND	06/97	ND	09/16	
			AS	2.0	09/09	ND	09/16	
			CR6	1.0	12/00	ND	09/16	
CALIFORNIA-AMERICAN WATER COMPANY/SAN MARINO SYSTEM								
BR 1	MUNICIPAL	DESTROYED	CTC	0.5	12/96	0.5	12/96	
			TCE	27.0	07/93	27.0	12/96	
			PCE	9.0	07/93	7.7	12/96	
			NITRATE (NO3)	31.4	12/96	31.4	12/96	
			NITRATE (N)	7.1	12/96	7.1	12/96	
			CLO4	NA	NA	NA	NA	
			AS	1.0	03/81	ND	10/81	
BR 2	MUNICIPAL	DESTROYED	TCE	17.0	12/96	17.0	12/96	
			PCE	6.4	12/96	6.4	12/96	
			NITRATE (NO3)	25.3	07/93	25.1	12/96	
			NITRATE (N)	5.7	07/93	5.7	12/96	
			CLO4	NA	NA	NA	NA	
			AS	ND	03/81	ND	10/81	
DELMAR	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	09/16	
			NITRATE (NO3)	19.9	06/14	17.7	09/16	
			NITRATE (N)	4.5	06/14	4.0	09/16	
			CLO4	ND	06/97	ND	09/16	
			AS	5.0	07/96	2.9	09/16	
			CR6	5.7	09/16	5.7	09/16	
GRAND	MUNICIPAL	ACTIVE	TCE	4.8	03/07	3.9	03/17	VULNERABLE
			PCE	2.1	12/08	1.2	03/17	(VOCS)
			NITRATE (NO3)	10.9	09/03	7.1	09/16	
			NITRATE (N)	2.5	09/03	1.6	09/16	
			CLO4	ND	08/97	ND	09/16	
			AS	0.4	07/96	ND	09/16	
			CR6	10.4	11/16	9.6	03/17	
GUESS	MUNICIPAL	INACTIVE	TCE	5.2	09/99	5.2	12/01	
			PCE	5.4	12/01	5.4	12/01	
			NITRATE (NO3)	20.0	05/01	19.0	09/01	
			NITRATE (N)	4.5	05/01	4.3	09/01	
			CLO4	ND	08/97	ND	03/00	
			AS	0.4	07/96	ND	02/01	
			CR6	7.8	10/00	4.8	06/01	
HALL	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
HALL 2	MUNICIPAL	ACTIVE	VOCS	ND	03/01	ND	06/16	VULNERABLE
			NITRATE (NO3)	29.2	06/16	26.6	03/17	(NITRATE)
			NITRATE (N)	6.6	06/16	6.0	03/17	
			CLO4	ND	03/00	ND	09/16	
			AS	ND	09/01	ND	09/16	
			CR6	9.6	12/01	9.2	03/17	
HOWLAND	MUNICIPAL	ACTIVE	TCE	6.9	07/89	0.8	09/16	VULNERABLE
			PCE	3.6	03/01	ND	03/17	(VOCS)
			C-1,2-DCE	3.3	11/87	ND	09/16	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS
AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			NITRATE (NO3)	20.8	09/16	6.2	01/17	
			NITRATE (N)	4.7	09/16	1.4	01/17	
			CLO4	ND	08/97	ND	09/16	
			AS	0.7	07/96	ND	01/17	
			CR6	6.7	11/16	6.7	11/16	
IVAR 1	MUNICIPAL	DESTROYED	PCE	7.4	06/99	6.2	06/00	
			TCE	1.7	06/99	ND	06/00	
			NITRATE (NO3)	29.2	09/94	26.0	09/01	
			NITRATE (N)	6.6	09/94	5.9	09/01	
			CLO4	ND	08/97	ND	03/01	
			AS	0.5	10/96	0.5	10/96	
IVAR 2	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	24.0	12/84	24.0	12/84	
			NITRATE (N)	5.4	12/84	5.4	12/84	
			CLO4	NA	NA	NA	NA	
			AS	ND	10/81	ND	10/81	
LONGDEN	MUNICIPAL	ACTIVE	PCE	12.6	09/16	11.0	03/17	VULNERABLE
			TCE	0.7	07/16	ND	03/17	(VOCS, NITRATE, AND CLO4)
			NITRATE (NO3)	70.1	10/16	62.0	12/16	
			NITRATE (N)	15.8	10/16	14.0	03/17	
			CLO4	5.5	06/16	ND	03/17	
			AS	4.6	06/01	ND	09/16	
			CR6	4.3	05/15	4.0	11/16	
MAR 1	MUNICIPAL	DESTROYED	VOCS	ND	01/85	ND	01/85	
			NITRATE (NO3)	89.0	03/79	39.0	01/84	
			NITRATE (N)	20.1	03/79	8.8	01/84	
			CLO4	NA	NA	NA	NA	
			AS	2.0	03/81	ND	10/81	
MAR 2	MUNICIPAL	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	33.0	01/84	33.0	01/84	
			NITRATE (N)	7.5	01/84	7.5	01/84	
			CLO4	NA	NA	NA	NA	
			AS	1.0	03/81	ND	10/81	
MAR 3	MUNICIPAL	ACTIVE	VOCS	ND	01/85	ND	09/16	
			NITRATE (NO3)	9.7	01/01	8.9	09/16	
			NITRATE (N)	2.2	01/01	2.0	09/16	
			CLO4	ND	06/97	ND	09/16	
			AS	1.0	05/00	ND	09/16	
			CR6	8.9	06/01	8.6	03/17	
MIVW 1	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	31.0	03/01	31.0	03/01	
			NITRATE (N)	7.0	03/01	7.0	03/01	
			CLO4	NA	NA	NA	NA	
MIVW 2	MUNICIPAL	ACTIVE	VOCS	ND	07/87	ND	09/16	VULNERABLE
			NITRATE (NO3)	44.3	03/16	38.1	12/16	(NITRATE)
			NITRATE (N)	10.0	03/16	8.6	12/16	
			CLO4	ND	06/97	ND	09/16	
			AS	0.6	07/96	ND	09/16	
			CR6	10.1	12/00	8.8	11/16	
RIC 1	MUNICIPAL	DESTROYED	VOCS	ND	02/85	ND	12/90	
			NITRATE (NO3)	23.4	08/89	11.8	11/94	
			NITRATE (N)	5.3	08/89	2.7	11/94	
			CLO4	NA	NA	NA	NA	
			AS	ND	09/80	ND	11/94	
RIC 2	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
RIC 3	MUNICIPAL	ACTIVE	TCE	0.9	11/16	0.8	03/17	
			PCE	0.6	08/16	ND	03/17	
			NITRATE (NO3)	10.6	09/16	10.2	03/17	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			NITRATE (N)	2.4	09/16	2.3	03/17	
			CR6	9.3	11/16	8.9	03/17	
			CLO4	NA	NA	ND	09/16	
			AS	NA	NA	ND	09/16	
ROANOKE	MUNICIPAL	INACTIVE	TCE	5.0	06/00	4.7	12/00	
			PCE	1.2	04/90	ND	09/00	
			C-1,2-DCE	0.5	09/00	ND	12/00	
			NITRATE (NO3)	33.0	05/89	29.2	12/00	
			NITRATE (N)	7.5	05/89	6.6	12/00	
			CLO4	5.6	06/97	ND	03/00	
			AS	0.8	07/96	ND	02/01	
			CR6	5.0	10/00	4.9	06/01	
ROSEMEAD	MUNICIPAL	INACTIVE	TCE	6.1	03/12	3.8	05/14	VULNERABLE
			PCE	3.4	03/09	ND	05/14	(VOCS AND NITRATE)
			NITRATE (NO3)	38.0	12/13	29.3	05/14	
			NITRATE (N)	8.6	12/13	6.6	05/14	
			CLO4	ND	08/97	ND	05/14	
			AS	0.4	07/96	ND	05/14	
			CR6	11.0	10/00	5.2	06/11	
CALIFORNIA COUNTRY CLUB								
ARTES	IRRIGATION	STANDBY	VOCS	ND	05/87	ND	10/10	VULNERABLE
			NITRATE (NO3)	29.0	10/10	29.0	10/10	(NITRATE)
			NITRATE (N)	6.6	10/10	6.6	10/10	
			CLO4	NA	NA	NA	NA	
CLUB	IRRIGATION	INACTIVE	PCE	189.0	11/87	189.0	11/87	
			1,1,2,2-PCA	24.0	11/87	24.0	11/87	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
SYCAMORE	IRRIGATION	STANDBY	PCE	7.1	09/02	0.6	10/10	VULNERABLE
			TCE	0.7	09/01	ND	10/10	(VOCS AND NITRATE)
			NITRATE (NO3)	128.0	10/07	19.0	10/10	
			NITRATE (N)	28.9	10/07	4.3	10/10	
			CLO4	ND	02/98	ND	02/98	
CALIFORNIA DOMESTIC WATER COMPANY								
01-E	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
02	MUNICIPAL	ACTIVE	CTC	0.7	09/96	ND	05/17	VULNERABLE
			PCE	3.7	09/12	ND	05/17	(VOCS, NITRATE, AND CLO4)
			TCE	4.0	10/99	ND	05/17	
			NITRATE (NO3)	27.0	02/15	13.7	05/17	
			NITRATE (N)	6.1	42037	3.1	05/17	
			CLO4	5.6	10/99	ND	05/17	
			AS	7.4	12/11	ND	05/17	
			CR6	3.0	10/16	1.9	04/17	
03	MUNICIPAL	ACTIVE	CTC	5.3	02/01	1.3	05/17	VULNERABLE
			PCE	32.0	11/12	15.0	05/17	(VOCS, NITRATE AND CLO4) (1,4)
			TCE	43.0	10/13	17.0	05/17	
			1,1-DCE	6.4	01/14	ND	04/17	
			C-1,2-DCE	4.2	04/13	2.5	04/17	
			NITRATE (NO3)	47.6	01/07	20.4	05/17	
			NITRATE (N)	10.8	01/07	4.6	05/17	
			CLO4	13.0	10/16	11.0	05/17	
			AS	3.3	12/11	ND	05/17	
			CR6	3.3	11/00	2.6	04/17	
05	MUNICIPAL	DESTROYED	PCE	2.0	02/85	ND	12/90	
			NITRATE (NO3)	13.0	03/84	13.0	03/84	
			NITRATE (N)	2.9	03/84	2.9	03/84	
			CLO4	NA	NA	NA	NA	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			AS	40.0	06/78	ND	03/84	
05A	MUNICIPAL	ACTIVE	CTC	1.9	08/96	ND	05/17	VULNERABLE
			PCE	20.0	11/15	6.1	05/17	(VOCS AND NITRATE) (1)
			TCE	19.0	11/15	4.1	05/17	
			1,1-DCE	2.7	10/08	ND	04/17	
			C-1,2-DCE	1.6	10/08	0.6	04/17	
			NITRATE (NO3)	29.0	04/01	8.0	05/17	
			NITRATE (N)	6.6	04/01	1.8	05/17	
			CLO4	ND	06/97	ND	05/17	
			AS	3.8	08/95	ND	05/17	
			CR6	2.0	04/17	1.6	04/17	
06	MUNICIPAL	ACTIVE	CTC	3.5	12/06	0.5	05/17	VULNERABLE
			PCE	39.0	10/14	16.0	05/17	(VOCS, NITRATE, AND CLO4) (1)
			TCE	44.0	10/14	12.0	05/17	
			1,1-DCE	6.2	10/14	ND	04/17	
			C-1,2-DCE	4.5	10/14	2.7	04/17	
			NITRATE (NO3)	34.0	04/11	19.9	05/17	
			NITRATE (N)	7.7	04/11	4.5	05/17	
			CLO4	7.1	04/17	5.3	05/17	
			AS	3.2	04/04	ND	05/17	
			CR6	2.2	04/17	1.8	04/17	
08	MUNICIPAL	ACTIVE	PCE	9.8	02/09	1.3	05/17	VULNERABLE
			TCE	12.0	02/09	ND	05/17	(VOCS, NITRATE, AND CLO4)
			CTC	1.1	09/93	ND	05/17	
			NITRATE (NO3)	24.0	08/02	9.7	05/17	
			NITRATE (N)	5.4	08/02	2.2	05/17	
			CLO4	5.6	08/02	ND	05/17	
			AS	6.0	09/94	ND	05/17	
			CR6	3.2	11/00	2.1	04/17	
10	MUNICIPAL	ACTIVE	PCE	52.0	10/16	22.0	05/17	VULNERABLE
			TCE	55.0	10/16	14.0	05/17	(VOCS, NITRATE, AND CLO4) (1)
			CTC	1.0	08/16	ND	05/17	
			1,1-DCE	9.4	10/16	ND	04/17	
			C-1,2-DCE	6.5	10/16	3.3	04/17	
			NITRATE (NO3)	30.5	09/16	16.4	05/17	
			NITRATE (N)	6.9	09/16	3.7	05/17	
			CLO4	8.3	09/16	4.5	05/17	
			AS	2.6	11/16	ND	05/17	
			CR6	2.7	10/16	2.5	04/17	
13-N	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
14	MUNICIPAL	ACTIVE	CTC	4.4	10/07	ND	05/17	VULNERABLE
			PCE	16.0	11/12	1.0	05/17	(VOCS, NITRATE, AND CLO4) (1)
			TCE	20.0	11/12	0.9	05/17	
			1,2-DCA	1.0	06/08	ND	05/17	
			C-1,2-DCE	1.6	10/12	ND	04/17	
			1,1-DCE	1.9	10/12	ND	04/17	
			NITRATE (NO3)	75.0	12/14	16.8	05/17	
			NITRATE (N)	16.9	12/14	3.8	05/17	
			CLO4	16.0	12/12	ND	05/17	
			AS	4.5	04/01	ND	05/17	
			CR6	5.1	04/17	5.1	04/17	
CEDAR AVENUE MUTUAL WATER COMPANY								
01 SOUTH	MUNICIPAL	DESTROYED	PCE	2.2	09/90	ND	06/94	
			NITRATE (NO3)	26.8	08/93	8.9	06/94	
			NITRATE (N)	6.1	08/93	2.0	06/94	
			CLO4	NA	NA	NA	NA	
			AS	NA	09/89	ND	08/93	
02 NORTH	MUNICIPAL	DESTROYED	PCE	0.8	04/92	ND	06/94	
			NITRATE (NO3)	20.0	01/86	7.4	08/93	
			NITRATE (N)	4.5	01/86	1.7	08/93	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			CLO4	NA	NA	NA	NA	
			AS	ND	09/89	ND	09/92	
CEMEX CONSTRUCTION MATERIALS L.P. (AZ TWO)								
02	INDUSTRIAL	DESTROYED	PCE	700.0	01/85	2.8	09/03	
			TCE	940.0	04/85	6.3	09/03	
			CTC	2.2	09/02	ND	09/03	
			1,1-DCE	350.0	01/87	7.2	09/03	
			1,1-DCA	1.0	08/01	ND	09/03	
			1,1,1-TCA	430.0	01/87	3.6	09/03	
			VC	19.0	12/87	ND	09/03	
			NITRATE (NO3)	79.0	09/02	73.1	09/03	
			NITRATE (N)	17.8	09/02	16.5	09/03	
			CLO4	4.2	06/97	ND	09/98	
CHAMPION MUTUAL WATER COMPANY								
01	MUNICIPAL	INACTIVE	PCE	3.0	09/86	ND	06/98	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
02	MUNICIPAL	INACTIVE	PCE	0.6	06/88	ND	09/13	VULNERABLE
			NITRATE (NO3)	28.0	09/10	22.0	06/14	(NITRATE)
			NITRATE (N)	6.3	09/10	5.0	06/14	
			CLO4	ND	09/97	ND	09/13	
			AS	3.6	08/98	2.4	09/13	
			CR6	1.0	06/01	0.7	09/13	
03	MUNICIPAL	INACTIVE	PCE	1.3	09/96	ND	12/14	VULNERABLE
			FREON 113	18.0	03/07	ND	03/15	(NITRATE)
			NITRATE (NO3)	24.0	03/09	18.0	03/15	
			NITRATE (N)	5.4	03/09	4.1	03/15	
			CLO4	ND	03/98	ND	12/14	
			AS	13.2	05/98	2.8	03/15	
			CR6	1.0	06/01	ND	09/14	
CHEVRON USA INC.								
TEMP 1	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
CITRUS VALLEY MEDICAL CENTER, QUEEN OF THE VALLEY CAMPUS								
01	NON-POTABLE	INACTIVE	VOCS	ND	09/96	ND	10/10	VULNERABLE
			NITRATE (NO3)	104.8	02/98	83.0	10/10	(NITRATE, CLO4)
			NITRATE (N)	23.7	02/98	18.7	10/10	
			CLO4	24.0	02/98	24.0	02/98	
CLAYTON MANUFACTURING COMPANY								
02	INDUSTRIAL	DESTROYED	TCE	150.0	08/01	47.0	09/03	
			PCE	30.0	08/01	ND	09/03	
			1,1-DCE	10.0	08/01	1.7	09/03	
			C-1,2-DCE	1.7	08/01	ND	09/03	
			1,1-DCA	15.0	08/01	ND	09/03	
			1,2-DCA	13.0	08/01	ND	09/03	
			1,1,1-TCA	1.1	08/01	ND	09/03	
			NITRATE (NO3)	87.0	08/01	39.7	09/03	
			NITRATE (N)	19.7	08/01	9.0	09/03	
			CLO4	4.0	09/97	4.0	09/97	
COINER, JAMES W., DBA COINER NURSERY								
03	NON-POTABLE	INACTIVE	PCE	293.5	02/98	170.0	10/01	
			TCE	10.2	11/87	3.4	10/01	
			CTC	1.6	08/87	1.6	10/01	
			1,1-DCE	6.7	02/98	4.6	10/01	
			C-1,2-DCE	6.8	07/96	2.7	10/01	

APPENDIX C
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AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			1,1,1-TCA	22.0	02/98	12.0	10/01	
			NITRATE (NO3)	67.0	10/01	44.7	09/07	
			NITRATE (N)	15.1	10/01	10.1	09/07	
			CLO4	9.0	02/98	ND	09/98	
05R	NON-POTABLE	ACTIVE	PCE	7.7	02/98	3.6	10/10	VULNERABLE
			TCE	1.6	10/01	ND	10/10	(VOCS, NITRATE, AND CLO4)
			CTC	2.7	07/96	ND	10/10	
			1,1-DCE	5.5	10/01	1.3	10/10	
			NITRATE (NO3)	110.0	10/09	72.0	10/10	
			NITRATE (N)	24.8	10/09	16.3	10/10	
			CLO4	9.0	02/98	4.0	09/98	
CORCORAN BROTHERS								
01	NON-POTABLE	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
COUNTY SANITATION DISTRICT NO. 18								
E08A	REMEDIAL	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
E09A	REMEDIAL	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
E10A	REMEDIAL	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
E11A	REMEDIAL	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
EX1	REMEDIAL	ACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
EX2	REMEDIAL	ACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
EX3	REMEDIAL	ACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
EX4	REMEDIAL	ACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
LE1	REMEDIAL	INACTIVE	TCE	4.2	06/86	3.7	09/86	
			PCE	0.8	09/86	0.8	09/86	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
LE2	REMEDIAL	INACTIVE	TCE	0.1	06/86	ND	09/86	
			PCE	NA	06/86	ND	09/86	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	

APPENDIX C
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AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			CLO4	NA	NA	NA	NA	
LE3	REMEDIAL	INACTIVE	TCE	1.5	06/86	1.2	09/86	
			PCE	1.6	06/86	0.8	09/86	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
LE4	REMEDIAL	INACTIVE	TCE	5.1	09/86	5.1	09/86	
			PCE	2.0	09/86	2.0	09/86	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
COVINA, CITY OF								
01	MUNICIPAL	INACTIVE	PCE	0.6	01/99	0.6	01/99	
			NITRATE (NO3)	120.0	01/99	120.0	01/99	
			NITRATE (N)	27.1	01/99	27.1	01/99	
			CLO4	NA	NA	NA	NA	
02 (GRAND)	MUNICIPAL	INACTIVE	VOCS	ND	06/88	ND	09/98	
			NITRATE (NO3)	116.0	08/89	103.0	04/99	
			NITRATE (N)	26.2	08/89	23.3	04/99	
			CLO4	23.0	09/97	22.0	09/98	
			AS	3.3	08/97	3.3	08/97	
03	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	72.0	10/73	72.0	10/73	
			NITRATE (N)	16.3	10/73	16.3	10/73	
			CLO4	NA	NA	NA	NA	
COVINA IRRIGATING COMPANY								
BAL 1	MUNICIPAL	STANDBY	TCE	200.0	07/80	ND	10/13	VULNERABLE
			PCE	7.6	07/80	ND	10/13	(VOCS AND NITRATE) (5)
			1,1-DCE	0.5	10/06	ND	10/13	
			NITRATE (NO3)	35.5	12/89	3.9	09/14	
			NITRATE (N)	8.0	12/89	0.9	09/14	
			CLO4	1.5	10/06	ND	09/14	
			AS	4.7	12/89	3.5	01/14	
			CR6	1.0	10/00	0.2	07/13	
BAL 2	MUNICIPAL	STANDBY	TCE	195.0	06/80	ND	11/15	VULNERABLE
			PCE	7.9	06/80	ND	11/15	(VOCS, NITRATE AND CLO4) (5)
			1,1-DCE	0.8	07/07	ND	11/15	
			NITRATE (NO3)	47.0	03/10	20.0	07/15	
			NITRATE (N)	10.6	03/10	4.5	07/15	
			CLO4	5.5	03/09	ND	11/15	
			AS	4.0	08/76	3.4	07/15	
			CR6	1.0	10/00	0.5	07/13	
BAL 3	MUNICIPAL	STANDBY	TCE	225.0	01/80	ND	10/14	VULNERABLE
			PCE	10.0	02/85	ND	10/14	(VOCS, NITRATE AND CLO4) (5)
			CTC	3.0	04/85	ND	10/14	
			1,1-DCA	4.0	04/85	ND	10/14	
			1,2-DCA	3.7	02/85	ND	10/14	
			1,1-DCE	2.1	04/85	ND	10/14	
			T-1,2-DCE	2.9	02/85	ND	10/14	
			1,1,1-TCA	5.2	04/85	ND	10/14	
			NITRATE (NO3)	57.3	08/89	26.0	07/15	
			NITRATE (N)	12.9	08/89	5.9	07/15	
			CLO4	5.6	09/08	ND	07/15	
			AS	3.1	07/15	3.1	07/15	
			CR6	1.0	11/00	0.8	07/13	
CONTR	MUNICIPAL	DESTROYED	PCE	1.4	12/92	1.3	03/94	
			NITRATE (NO3)	125.3	12/89	108.0	03/94	
			NITRATE (N)	28.3	12/89	24.4	03/94	
			CLO4	NA	NA	NA	NA	
			AS	ND	12/89	ND	12/92	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS
AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
VALEN	MUNICIPAL	DESTROYED	PCE	2.4	08/85	0.6	09/97	
			NITRATE (NO3)	73.0	06/81	69.3	09/97	
			NITRATE (N)	16.5	06/81	15.7	09/97	
			CLO4	6.4	09/97	6.4	09/97	
CREVOLIN, A.J.								
NA	DOMESTIC	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
CROWN CITY PLATING COMPANY								
01	INDUSTRIAL	INACTIVE	TCE	1.2	09/04	1.2	09/04	
			T-1,2-DCE	1.4	05/87	ND	09/04	
			NITRATE (NO3)	7.4	09/04	3.4	09/08	
			NITRATE (N)	1.7	09/04	0.8	09/08	
			CLO4	ND	09/97	ND	10/07	
DAVIDSON OPTRONICS INC.								
NA	INDUSTRIAL	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
DAWES, MARY K.								
04	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
DEL RIO MUTUAL WATER COMPANY								
BURKETT	MUNICIPAL	ACTIVE	TCE	2.2	06/90	ND	09/16	VULNERABLE
			PCE	3.7	03/97	ND	09/16	(VOCS AND NITRATE)
			NITRATE (NO3)	31.0	12/03	2.7	09/16	
			NITRATE (N)	7.0	12/03	0.6	09/16	
			CLO4	ND	09/97	ND	12/15	
			AS	2.6	03/02	ND	02/15	
			CR6	3.4	07/01	0.7	09/13	
KLING	MUNICIPAL	INACTIVE	PCE	1.3	08/86	ND	02/89	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
DRIFTWOOD DAIRY								
01	INDUSTRIAL	INACTIVE	PCE	13.9	06/98	13.9	06/98	VULNERABLE
			1,1,1-TCA	0.3	03/93	ND	06/98	(VOCS AND NITRATE)
			NITRATE (NO3)	65.1	03/93	46.8	06/98	
			NITRATE (N)	14.7	03/93	10.6	06/98	
			CLO4	ND	06/98	ND	06/98	
DUNNING, GEORGE								
1910	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
EAST PASADENA WATER COMPANY, LTD.								
09	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	03/17	
			NITRATE (NO3)	6.4	09/12	4.4	03/17	
			NITRATE (N)	1.4	09/12	1.0	03/17	
			CLO4	ND	07/97	ND	03/17	
			AS	0.9	08/96	ND	04/15	
			CR6	9.4	07/01	8.4	10/14	

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AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
11	MUNICIPAL	ACTIVE	VOCS	ND	12/11	ND	04/17	
			NITRATE (NO3)	3.5	09/16	3.1	03/17	
			NITRATE (N)	0.8	09/16	0.7	03/17	
			CLO4	ND	12/11	ND	03/17	
			AS	ND	05/14	ND	04/15	
			CR6	5.9	10/14	5.9	10/14	
EL MONTE, CITY OF								
02A	MUNICIPAL	ACTIVE	PCE	13.0	03/98	5.3	05/17	VULNERABLE
			TCE	5.3	01/95	1.0	05/17	(VOCS AND NITRATE) (1)
			NITRATE (NO3)	37.6	06/16	23.0	04/17	
			NITRATE (N)	8.5	06/16	5.2	04/17	
			CLO4	ND	07/97	ND	07/16	
			AS	10.0	03/73	ND	07/14	
			CR6	2.0	12/00	1.9	07/13	
03	MUNICIPAL	STANDBY	PCE	23.6	12/00	15.0	06/13	VULNERABLE
			1,1,1-TCA	1.0	11/93	ND	07/12	(VOCS AND NITRATE) (3)
			NITRATE (NO3)	71.6	08/89	21.9	09/16	
			NITRATE (N)	16.2	08/89	4.9	09/16	
			CLO4	ND	07/97	ND	07/12	
			AS	10.0	03/73	ND	09/10	
			CR6	2.4	07/13	2.4	07/13	
04	MUNICIPAL	STANDBY	PCE	16.2	03/84	0.6	01/08	VULNERABLE
			TCE	7.8	02/80	ND	12/07	(VOCS AND NITRATE)
			NITRATE (NO3)	58.0	11/14	58.0	11/14	
			NITRATE (N)	13.1	11/14	13.1	11/14	
			CLO4	ND	07/97	ND	07/03	
			AS	10.0	03/73	ND	12/07	
			CR6	2.8	07/01	1.2	11/14	
05	MUNICIPAL	DESTROYED	TCE	150.0	07/93	70.0	12/96	
			PCE	51.0	07/93	32.0	12/96	
			CTC	4.3	07/93	1.4	12/96	
			NITRATE (NO3)	53.9	12/96	26.3	06/99	
			NITRATE (N)	12.2	12/96	5.9	06/99	
			CLO4	5.9	06/97	5.9	06/97	
			AS	10.0	04/73	10.0	04/73	
10	MUNICIPAL	ACTIVE	TCE	7.2	09/81	ND	05/17	VULNERABLE
			PCE	17.7	12/93	1.3	05/17	(VOCS AND NITRATE) (1)
			NITRATE (NO3)	41.2	04/16	27.9	04/17	
			NITRATE (N)	9.3	04/16	6.3	04/17	
			CLO4	ND	06/97	ND	07/16	
			AS	20.0	03/73	ND	04/17	
			CR6	1.6	04/17	1.6	04/17	
11	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	21.6	07/79	21.6	07/79	
			NITRATE (N)	4.9	07/79	4.9	07/79	
			CLO4	NA	NA	NA	NA	
			AS	20.0	03/73	3.0	08/79	
12	MUNICIPAL	ACTIVE	TCE	58.0	04/17	53.0	05/17	VULNERABLE
			PCE	29.0	04/17	21.0	05/17	(VOCS AND NITRATE) (1)
			CTC	1.0	06/92	ND	05/17	
			C-1,2-DCE	0.9	10/16	0.8	04/17	
			NITRATE (NO3)	41.0	06/05	35.0	04/17	
			NITRATE (N)	9.3	06/05	7.9	04/17	
			CLO4	ND	06/97	ND	07/16	
			AS	ND	05/84	ND	07/16	
			CR6	4.8	07/16	4.8	07/16	
13	MUNICIPAL	ACTIVE	PCE	7.5	04/16	1.8	05/17	VULNERABLE
			TCE	15.0	04/16	2.1	05/17	(VOCS) (3)
			NITRATE (NO3)	23.5	06/16	16.4	03/17	
			NITRATE (N)	5.3	06/16	3.7	03/17	
			CLO4	ND	07/97	ND	07/16	
			AS	1.3	08/96	ND	07/16	
			CR6	5.3	07/16	5.3	07/16	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS
AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
MT VW	IRRIGATION	DESTROYED	PCE	2.1	08/85	ND	01/01	
			TCE	2.0	01/85	ND	01/01	
			NITRATE (NO3)	30.0	02/87	10.0	01/01	
			NITRATE (N)	6.8	02/87	2.3	01/01	
			CLO4	ND	09/97	ND	11/97	
			AS	ND	02/84	ND	02/84	
EL MONTE CEMETERY ASSOCIATION								
NA	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
FRUIT STREET WATER COMPANY								
NA	IRRIGATION	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
GATES, JAMES RICHARD								
GATES 1	IRRIGATION	ACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
GIFFORD, BROOKS JR.								
01	NA	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
GLENDORA, CITY OF								
01-E	MUNICIPAL	DESTROYED	TCE	0.8	12/80	ND	09/07	
			NITRATE (NO3)	38.1	10/88	35.0	08/08	
			NITRATE (N)	8.6	10/88	7.9	08/08	
			CLO4	ND	06/97	ND	03/03	
			AS	2.8	07/98	ND	03/08	
			CR6	1.0	05/01	1.0	05/01	
02-E	MUNICIPAL	ACTIVE	VOCS	ND	03/85	ND	03/17	VULNERABLE
			NITRATE (NO3)	70.0	05/78	6.6	05/17	(NITRATE)
			NITRATE (N)	15.8	05/78	1.5	05/17	
			CLO4	ND	07/97	ND	03/17	
			AS	0.7	08/96	ND	09/16	
			CR6	1.3	09/16	1.3	09/16	
03-G	MUNICIPAL	INACTIVE	TCE	0.5	12/79	ND	05/97	
			PCE	0.5	05/97	0.5	05/97	
			NITRATE (NO3)	162.4	08/83	111.0	08/99	
			NITRATE (N)	36.7	08/83	25.1	08/99	
			CLO4	NA	NA	NA	NA	
04-E	MUNICIPAL	INACTIVE	TCE	0.7	08/80	ND	08/91	
			PCE	0.1	07/81	ND	08/91	
			NITRATE (NO3)	126.0	06/83	56.8	08/91	
			NITRATE (N)	28.5	06/83	12.8	08/91	
			CLO4	NA	NA	NA	NA	
			AS	ND	07/74	ND	07/74	
05-E	MUNICIPAL	ACTIVE	VOCS	ND	02/95	ND	09/16	
			NITRATE (NO3)	3.2	05/95	3.2	06/16	
			NITRATE (N)	0.7	05/95	0.7	06/16	
			CLO4	ND	07/97	ND	09/16	
			AS	5.3	04/98	3.1	06/16	
			CR6	1.0	11/00	ND	06/16	
07-G	MUNICIPAL	INACTIVE	TCE	302.0	01/81	ND	04/98	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			PCE	25.0	01/81	1.9	04/98	
			1,1-DCE	435.0	05/84	ND	04/98	
			C-1,2-DCE	21.0	05/82	ND	04/98	
			1,1-DCA	5.0	05/84	ND	04/98	
			1,2-DCA	12.1	12/93	ND	04/98	
			1,1,1-TCA	3200.0	05/84	64.0	04/98	
			NITRATE (NO3)	106.0	04/98	75.9	04/98	
			NITRATE (N)	23.9	04/98	17.1	04/98	
			CLO4	5.3	04/98	5.3	04/98	
			AS	ND	07/74	ND	08/95	
08-E	MUNICIPAL	ACTIVE	VOCS	ND	08/02	ND	03/17	
			NITRATE (NO3)	6.6	08/86	ND	09/16	
			NITRATE (N)	1.5	08/86	ND	09/16	
			CLO4	ND	07/97	ND	09/16	
			AS	3.2	08/96	ND	09/14	
			CR6	1.0	11/00	0.2	09/13	
09-E	MUNICIPAL	ACTIVE	VOCS	ND	05/89	ND	09/16	
			NITRATE (NO3)	4.1	08/96	ND	09/16	
			NITRATE (N)	0.9	08/96	ND	09/16	
			CLO4	ND	07/97	ND	09/16	
			AS	2.5	05/98	ND	09/14	
			CR6	1.0	11/00	0.1	09/13	
10-E	MUNICIPAL	ACTIVE	VOCS	ND	07/97	ND	03/17	VULNERABLE
			NITRATE (NO3)	78.0	05/77	36.3	05/17	(NITRATE)
			NITRATE (N)	17.6	05/77	8.2	05/17	
			CLO4	ND	07/97	ND	03/17	
			AS	7.0	08/79	ND	03/17	
			CR6	1.2	03/17	1.2	03/17	
11-E	MUNICIPAL	ACTIVE	VOCS	ND	05/82	ND	09/16	VULNERABLE
			NITRATE (NO3)	117.5	08/73	41.6	05/17	(NITRATE AND CLO4)
			NITRATE (N)	26.5	08/73	9.4	05/17	
			CLO4	4.9	12/10	4.0	03/17	
			AS	3.2	07/98	ND	09/16	
			CR6	1.8	09/16	1.8	09/16	
12-G	MUNICIPAL	ACTIVE	TCE	0.9	12/80	ND	09/16	
			NITRATE (NO3)	4.7	07/98	ND	09/16	
			NITRATE (N)	1.1	07/98	ND	09/16	
			CLO4	ND	06/97	ND	09/16	
			AS	4.4	07/97	2.2	09/15	
			CR6	1.0	11/00	ND	09/15	
13-E	MUNICIPAL	ACTIVE	VOCS	ND	06/04	ND	03/17	VULNERABLE
			NITRATE (NO3)	29.0	12/09	8.4	05/17	(NITRATE)
			NITRATE (N)	6.6	12/09	1.9	05/17	
			CLO4	ND	06/04	ND	09/16	
			AS	2.2	09/15	ND	06/16	
			CR6	0.6	09/13	ND	06/16	
GOEDERT, LILLIAN								
GOEDERT	IRRIGATION	DESTROYED	VOCS	ND	06/98	ND	06/98	
			NITRATE (NO3)	7.0	06/98	7.0	06/98	
			NITRATE (N)	1.6	06/98	1.6	06/98	
			CLO4	ND	06/98	ND	06/98	
GOLDEN STATE WATER COMPANY/SAN DIMAS DISTRICT								
ART-1	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	60.0	10/74	60.0	10/74	
			NITRATE (N)	13.6	10/74	13.6	10/74	
			CLO4	NA	NA	NA	NA	
			AS	ND	07/74	ND	07/74	
ART-2	MUNICIPAL	DESTROYED	VOCS	ND	06/89	ND	05/07	
			NITRATE (NO3)	26.2	08/07	9.4	09/07	
			NITRATE (N)	5.9	08/07	2.1	09/07	
			CLO4	ND	08/97	ND	09/07	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS
AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			AS	0.8	08/96	ND	05/07	
ART-3	MUNICIPAL	ACTIVE	VOCS	ND	05/89	ND	08/16	VULNERABLE
			NITRATE (NO3)	140.0	05/14	57.5	05/17	(NITRATE AND CLO4) (4)
			NITRATE (N)	31.6	05/14	13.0	05/17	
			CLO4	21.0	05/14	6.7	05/17	
			AS	0.7	08/96	ND	05/16	
			CR6	1.8	05/16	1.8	05/16	
BAS-3	MUNICIPAL	ACTIVE	VOCS	ND	06/89	ND	05/17	VULNERABLE
			NITRATE (NO3)	124.0	05/16	97.4	05/17	(NITRATE AND CLO4) (4)
			NITRATE (N)	28.0	05/16	22.0	05/17	
			CLO4	21.0	10/14	13.0	05/17	
			AS	4.0	08/76	ND	05/16	
			CR6	1.8	05/16	1.8	05/16	
BAS-4	MUNICIPAL	ACTIVE	VOCS	ND	03/85	ND	06/16	VULNERABLE
			NITRATE (NO3)	110.0	01/13	53.1	12/16	(NITRATE AND CLO4) (4)
			NITRATE (N)	24.8	01/13	12.0	12/16	
			CLO4	23.0	03/13	7.6	12/16	
			AS	1.0	08/96	ND	05/16	
			CR6	2.3	05/16	2.3	05/16	
CITY	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	05/08	VULNERABLE
			NITRATE (NO3)	44.7	09/93	31.0	11/08	(NITRATE)
			NITRATE (N)	10.1	09/93	7.0	11/08	
			CLO4	ND	08/97	ND	08/08	
			AS	0.7	08/96	ND	08/06	
			CR6	0.2	12/00	ND	07/01	
COL-1	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	93.0	09/75	10.0	10/76	
			NITRATE (N)	21.0	09/75	2.3	10/76	
			CLO4	NA	NA	NA	NA	
COL-2	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	117.5	10/76	117.5	10/76	
			NITRATE (N)	26.5	10/76	26.5	10/76	
			CLO4	NA	NA	NA	NA	
			AS	18.0	06/78	18.0	06/78	
COL-4	MUNICIPAL	ACTIVE	VOCS	ND	09/97	ND	11/16	VULNERABLE
			NITRATE (NO3)	64.0	03/83	44.3	03/17	(NITRATE)
			NITRATE (N)	14.5	03/83	10.0	03/17	
			CLO4	2.9	04/11	ND	03/17	
			AS	0.7	08/96	ND	03/16	
			CR6	1.0	07/01	ND	03/16	
COL-5	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
COL-6	MUNICIPAL	INACTIVE	PCE	7.2	07/85	ND	02/11	
			NITRATE (NO3)	56.0	06/85	36.0	03/11	
			NITRATE (N)	12.7	06/85	8.1	03/11	
			CLO4	2.1	03/11	2.1	03/11	
			AS	4.0	08/76	ND	05/10	
			CR6	1.0	07/01	1.0	07/01	
COL-7	MUNICIPAL	DESTROYED	PCE	22.0	12/87	3.1	11/99	
			TCE	9.9	01/80	ND	09/99	
			1,1-DCE	1.1	03/85	ND	09/99	
			1,1,1-TCA	1.7	07/85	ND	09/99	
			NITRATE (NO3)	118.0	05/79	68.1	01/00	
			NITRATE (N)	26.7	05/79	15.4	01/00	
			CLO4	4.2	01/02	4.2	01/02	
			AS	0.9	08/96	ND	01/00	
COL-8	MUNICIPAL	INACTIVE	PCE	0.2	09/80	ND	12/96	
			NITRATE (NO3)	120.0	06/83	50.8	12/96	
			NITRATE (N)	27.1	06/83	11.5	12/96	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS
AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			CLO4	NA	NA	NA	NA	
			AS	6.0	08/79	ND	03/85	
HIGHWAY	MUNICIPAL	ACTIVE	TCE	0.6	12/80	ND	09/16	VULNERABLE
			PCE	0.1	12/80	ND	09/16	(NITRATE AND CLO4) (4)
			NITRATE (NO3)	84.0	08/15	31.0	05/17	
			NITRATE (N)	19.0	08/15	7.0	05/17	
			CLO4	12.0	08/15	ND	05/17	
			AS	0.8	08/96	ND	09/16	
			CR6	1.0	07/01	ND	09/16	
HIGHWAY 2	MUNICIPAL	ACTIVE	VOCS	ND	10/10	ND	01/17	VULNERABLE
			NITRATE (NO3)	27.0	11/15	19.0	05/17	(NITRATE)
			NITRATE (N)	6.1	11/15	4.3	05/17	
			CLO4	ND	10/10	ND	05/17	
			AS	ND	10/10	ND	01/17	
			CR6	1.7	10/10	ND	01/17	
L HILL 2	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
MALON	MUNICIPAL	ACTIVE	VOCS	ND	08/96	ND	05/17	VULNERABLE
			NITRATE (NO3)	42.0	09/87	23.5	05/17	(NITRATE)
			NITRATE (N)	9.5	09/87	5.3	05/17	
			CLO4	ND	08/97	ND	08/16	
			AS	0.7	08/96	ND	09/15	
			CR6	1.0	07/01	ND	09/15	
GOLDEN STATE WATER COMPANY/SAN GABRIEL VALLEY DISTRICT (SOUTH ARCADIA)								
AZU 1	MUNICIPAL	DESTROYED	TCE	15.0	07/93	0.6	01/95	
			PCE	1.9	07/93	ND	01/95	
			NITRATE (NO3)	72.9	12/90	35.0	07/02	
			NITRATE (N)	16.5	12/90	7.9	07/02	
			CLO4	NA	NA	NA	10/02	
			AS	0.6	08/96	0.6	08/96	
EARL 1	MUNICIPAL	DESTROYED	PCE	6.0	09/03	6.0	09/03	
			NITRATE (NO3)	7.2	08/03	7.1	09/03	
			NITRATE (N)	1.6	08/03	1.6	09/03	
			CLO4	ND	08/97	ND	08/03	
			AS	0.5	08/96	ND	07/01	
ENC 1	MUNICIPAL	ACTIVE	TCE	21.0	04/03	3.8	04/17	VULNERABLE
			PCE	3.5	04/03	1.3	04/17	(VOCS, NITRATE AND CLO4) (1)
			NITRATE (NO3)	77.6	08/91	11.1	02/17	
			NITRATE (N)	17.5	08/91	2.5	02/17	
			CLO4	5.7	02/13	ND	04/17	
			AS	ND	07/89	ND	06/16	
			CR6	8.2	07/01	7.6	06/16	
ENC 2	MUNICIPAL	ACTIVE	TCE	29.1	02/01	3.0	05/17	VULNERABLE
			PCE	6.4	02/15	1.1	05/17	(VOCS) (1)
			NITRATE (NO3)	21.0	02/09	9.3	05/17	
			NITRATE (N)	4.7	02/09	2.1	05/17	
			CLO4	1.5	03/10	ND	05/17	
			AS	0.7	08/96	ND	08/14	
			CR6	7.2	02/01	7.0	11/14	
ENC 3	MUNICIPAL	ACTIVE	TCE	19.0	03/17	13.0	05/17	VULNERABLE
			PCE	7.8	03/17	4.6	05/17	(VOCS AND NITRATE) (1)
			NITRATE (NO3)	43.2	07/93	16.4	05/17	
			NITRATE (N)	9.8	07/93	3.7	05/17	
			CLO4	1.9	03/10	ND	05/17	
			AS	16.3	07/90	ND	08/14	
			CR6	8.0	09/01	7.1	11/14	
FAR 1	MUNICIPAL	ACTIVE	TCE	11.9	10/80	1.3	05/17	VULNERABLE
			PCE	3.1	10/87	ND	02/17	(VOCS)
			NITRATE (NO3)	13.0	07/89	12.8	05/17	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS
AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			NITRATE (N)	2.9	07/89	2.9	05/17	
			CLO4	ND	08/97	ND	05/17	
			AS	2.7	08/97	ND	05/16	
			CR6	1.6	05/16	1.6	05/16	
FAR 2	MUNICIPAL	ACTIVE	TCE	12.9	07/80	ND	05/17	VULNERABLE
			PCE	2.6	10/87	ND	08/16	(VOCS)
			NITRATE (NO3)	12.2	07/90	7.1	08/16	
			NITRATE (N)	2.8	07/90	1.6	08/16	
			CLO4	ND	08/97	ND	08/16	
			AS	0.9	08/96	ND	08/14	
			CR6	1.9	11/14	1.9	11/14	
GAR 1	MUNICIPAL	DESTROYED	VOCS	ND	08/99	ND	07/03	
			PCE	4.5	10/03	4.5	10/03	
			NITRATE (NO3)	8.3	08/03	7.7	09/03	
			NITRATE (N)	1.9	08/03	1.7	09/03	
			CLO4	ND	08/97	ND	08/03	
			AS	0.5	08/96	ND	08/03	
GAR 2	MUNICIPAL	DESTROYED	PCE	12.0	07/03	11.0	08/03	
			TCE	2.2	08/03	2.2	08/03	
			NITRATE (NO3)	7.3	08/97	4.6	07/02	
			NITRATE (N)	1.6	08/97	1.0	07/02	
			CLO4	ND	08/97	ND	08/03	
			AS	0.5	08/96	ND	08/00	
GAR 3	MUNICIPAL	ACTIVE	TCE	0.8	02/17	ND	05/17	
			PCE	7.8	02/17	5.0	05/17	
			NITRATE (NO3)	16.8	02/17	9.3	05/17	
			NITRATE (N)	3.8	02/17	2.1	05/17	
			CLO4	ND	06/16	ND	05/17	
			AS	NA	NA	ND	06/16	
			CR6	NA	NA	6.2	06/16	
GID 1	MUNICIPAL	DESTROYED	TCE	6.6	04/85	4.1	09/93	
			PCE	0.9	09/93	0.9	09/93	
			NITRATE (NO3)	40.6	09/93	40.6	09/93	
			NITRATE (N)	9.2	09/93	9.2	09/93	
			CLO4	NA	NA	NA	NA	
GID 2	MUNICIPAL	DESTROYED	TCE	86.0	05/87	5.2	09/93	
			PCE	20.0	05/87	1.5	09/93	
			CTC	3.0	05/87	ND	09/93	
			NITRATE (NO3)	45.8	09/93	45.8	09/93	
			NITRATE (N)	10.3	09/93	10.3	09/93	
			CLO4	NA	NA	NA	NA	
GRA 1	MUNICIPAL	DESTROYED	TCE	33.0	09/88	25.4	11/94	
			PCE	2.5	11/93	0.6	11/94	
			NITRATE (NO3)	86.8	08/89	44.4	07/95	
			NITRATE (N)	19.6	08/89	10.0	07/95	
			CLO4	NA	NA	NA	NA	
			AS	18.0	06/78	ND	08/94	
GRA 2	MUNICIPAL	INACTIVE	TCE	31.3	08/89	24.6	08/94	
			PCE	3.3	09/94	3.3	09/94	
			1,1-DCE	4.8	08/94	4.8	08/94	
			NITRATE (NO3)	82.1	07/90	44.2	07/95	
			NITRATE (N)	18.5	07/90	10.0	07/95	
			CLO4	NA	NA	NA	NA	
			AS	ND	01/89	ND	08/94	
JEF 1	MUNICIPAL	INACTIVE	TCE	340.0	01/80	98.0	01/85	
			PCE	23.0	03/81	8.0	01/85	
			1,1,1-TCA	31.0	01/85	31.0	01/85	
			NITRATE (NO3)	52.0	07/83	48.7	03/86	
			NITRATE (N)	11.7	07/83	11.0	03/86	
			CLO4	NA	NA	NA	NA	
JEF 2	MUNICIPAL	DESTROYED	TCE	260.0	01/80	140.0	01/85	
			PCE	15.0	03/81	6.0	01/85	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS
AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			1,1-DCE	20.0	01/85	20.0	01/85	
			1,1,1-TCA	54.0	01/85	54.0	01/85	
			NITRATE (NO3)	68.0	06/77	61.0	06/79	
			NITRATE (N)	15.4	06/77	13.8	06/79	
			CLO4	NA	NA	NA	NA	
JEF 3	MUNICIPAL	DESTROYED	TCE	121.0	02/81	4.9	08/92	
			PCE	12.0	03/81	0.6	08/92	
			1,1,1-TCA	29.0	04/85	ND	08/92	
			T-1,2-DCE	2.4	04/85	ND	08/92	
			NITRATE (NO3)	52.0	12/84	23.5	08/92	
			NITRATE (N)	11.7	12/84	5.3	08/92	
			CLO4	NA	NA	NA	NA	
			AS	ND	12/84	ND	08/86	
JEF 4	MUNICIPAL	ACTIVE	VOCS	ND	08/89	ND	08/16	
			NITRATE (NO3)	14.7	07/89	3.7	08/16	
			NITRATE (N)	3.3	07/89	0.8	08/16	
			CLO4	ND	08/97	ND	08/16	
			AS	0.7	08/96	ND	08/15	
			CR6	1.3	07/01	ND	08/15	
PER 1	MUNICIPAL	ACTIVE	TCE	25.8	10/80	0.8	05/17	VULNERABLE
			PCE	6.8	07/87	ND	05/17	(VOCS AND NITRATE)
			NITRATE (NO3)	38.0	12/11	6.2	05/17	
			NITRATE (N)	8.6	12/11	1.4	05/17	
			CLO4	ND	08/97	ND	11/16	
			AS	0.9	08/96	ND	08/15	
			CR6	5.6	08/15	5.6	08/15	
S G 1	MUNICIPAL	ACTIVE	PCE	46.0	04/06	11.0	05/17	VULNERABLE
			TCE	6.8	12/03	1.0	05/17	(VOCS, NITRATE AND CLO4) (1)
			C-1,2-DCE	1.8	11/04	ND	05/17	
			1,1-DCA	1.8	06/04	ND	05/17	
			1,1-DCE	0.7	11/04	ND	05/17	
			FREON 11	1.2	08/03	ND	08/15	
			NITRATE (NO3)	27.0	04/02	14.6	05/17	
			NITRATE (N)	6.1	04/02	3.3	05/17	
			CLO4	8.1	08/03	ND	05/17	
			AS	2.7	08/94	ND	08/16	
			CR6	5.9	12/01	5.6	08/16	
S G 2	MUNICIPAL	ACTIVE	PCE	28.0	05/11	10.0	05/17	VULNERABLE
			TCE	3.6	06/99	0.5	05/17	(VOCS, NITRATE AND CLO4) (1)
			1,1-DCE	0.7	04/11	ND	05/17	
			C-1,2-DCE	1.2	02/01	ND	05/17	
			NITRATE (NO3)	75.3	08/16	57.5	05/17	
			NITRATE (N)	17.0	08/16	13.0	05/17	
			CLO4	7.0	02/03	ND	05/17	
			AS	0.8	08/96	ND	08/15	
			CR6	8.0	08/15	8.0	08/15	
SAX 1	MUNICIPAL	DESTROYED	PCE	1.4	04/97	0.9	12/97	
			NITRATE (NO3)	33.1	10/97	33.1	10/97	
			NITRATE (N)	7.5	10/97	7.5	10/97	
			CLO4	ND	08/97	ND	12/97	
			AS	0.3	08/96	0.3	08/96	
SAX 3	MUNICIPAL	ACTIVE	VOCS	ND	04/89	ND	08/16	VULNERABLE
			NITRATE (NO3)	27.3	11/96	6.6	08/16	(NITRATE)
			NITRATE (N)	6.2	11/96	1.5	08/16	
			CLO4	ND	08/97	ND	08/16	
			AS	0.4	08/96	ND	08/16	
			CR6	5.8	08/16	5.8	08/16	
SAX 4	MINICIPAL	ACTIVE	PCE	0.8	12/16	ND	01/17	
			TCE	0.5	12/16	ND	01/17	
			NITRATE (NO3)	11.9	08/99	9.7	12/16	
			NITRATE (N)	2.7	08/99	2.2	12/16	
			CLO4	ND	08/97	ND	12/16	
			AS	5.2	12/09	3.5	12/16	
			CR6	4.8	11/14	4.3	12/16	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS
AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
GREEN, WALTER								
NA	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
NA	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
HALL (W.E.) COMPANY								
NA	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
HANSEN, ALICE								
2946C	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
HANSON AGGREGATES WEST, INC.								
DUA 1	INDUSTRIAL	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
EL 1	INDUSTRIAL	ACTIVE	VOCS	ND	05/98	ND	09/02	
			NITRATE (NO3)	17.0	02/93	2.2	09/02	
			NITRATE (N)	3.8	02/93	0.5	09/02	
			CLO4	ND	03/98	ND	03/98	
EL 3	INDUSTRIAL	ACTIVE	VOCS	ND	06/98	ND	09/02	
			NITRATE (NO3)	22.0	05/93	2.8	09/02	
			NITRATE (N)	5.0	05/93	0.6	09/02	
			CLO4	ND	03/98	ND	03/98	
EL 4	INDUSTRIAL	ACTIVE	VOCS	ND	12/87	ND	09/02	
			NITRATE (NO3)	6.3	06/98	ND	09/02	
			NITRATE (N)	1.4	06/98	ND	09/02	
			CLO4	NA	NA	NA	NA	
KIN 1	INDUSTRIAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
HARTLEY, DAVID								
NA	DOMESTIC	INACTIVE	VOCS	ND	10/95	ND	10/95	
			NITRATE (NO3)	111.0	01/96	75.0	04/96	
			NITRATE (N)	25.1	01/96	16.9	04/96	
			CLO4	NA	NA	NA	NA	
HEMLOCK MUTUAL WATER COMPANY								
NORTH	MUNICIPAL	ACTIVE	PCE	51.7	04/82	ND	09/16	VULNERABLE
			TCE	0.7	12/87	ND	09/16	(VOCS) (1)
			NITRATE (NO3)	18.9	12/06	2.2	09/16	
			NITRATE (N)	4.3	12/06	0.5	09/16	
			CLO4	ND	09/97	ND	09/16	
			AS	2.7	12/08	ND	12/14	
			CR6	1.0	12/00	0.5	09/13	
SOUTH	MUNICIPAL	ACTIVE	PCE	210.0	12/87	ND	03/17	VULNERABLE

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS
AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			TCE	0.9	04/89	ND	09/16	(VOCS AND NITRATE) (1)
			NITRATE (NO3)	32.7	12/94	2.7	03/17	
			NITRATE (N)	7.4	12/94	0.6	03/17	
			CLO4	ND	09/97	ND	09/16	
			AS	2.1	08/96	ND	12/14	
			CR6	1.1	12/00	0.6	09/13	
INDUSTRY WATERWORKS SYSTEM, CITY OF								
01	MUNICIPAL	INACTIVE	TCE	40.0	01/80	1.7	10/92	
			PCE	9.0	04/80	5.0	10/92	
			CTC	5.7	10/92	5.7	10/92	
			1,1-DCE	15.3	10/92	15.3	10/92	
			1,2-DCA	0.6	10/92	0.6	10/92	
			NITRATE (NO3)	60.2	10/92	60.2	10/92	
			NITRATE (N)	13.6	10/92	13.6	10/92	
			CLO4	NA	NA	NA	NA	
			AS	ND	01/80	ND	01/80	
02	MUNICIPAL	INACTIVE	TCE	19.0	01/80	2.3	04/81	
			PCE	10.0	04/81	10.0	04/81	
			NITRATE (NO3)	55.5	02/86	55.5	02/86	
			NITRATE (N)	12.5	02/86	12.5	02/86	
			CLO4	100.0	04/99	100.0	04/99	
			AS	ND	01/80	ND	01/80	
03	MUNICIPAL	INACTIVE	PCE	2.6	09/80	1.6	07/06	VULNERABLE
			TCE	12.0	07/06	12.0	07/06	(VOCS, NITRATE, AND CLO4)
			CTC	0.5	07/06	0.5	07/06	
			1,2-DCA	0.5	07/06	0.5	07/06	
			NITRATE (NO3)	31.1	08/00	ND	07/06	
			NITRATE (N)	7.0	08/00	ND	07/06	
			CLO4	120.0	04/99	ND	07/06	
			AS	5.4	07/95	ND	08/04	
			CR6	6.9	11/00	6.9	11/00	
04	MUNICIPAL	INACTIVE	PCE	2.4	08/01	0.5	07/06	VULNERABLE
			TCE	8.0	11/01	1.7	07/06	(VOCS, NITRATE, AND CLO4)
			1,1-DCE	0.9	09/02	0.6	07/06	
			1,2-DCA	1.0	11/01	ND	07/06	
			CTC	0.7	11/01	ND	07/05	
			NITRATE (NO3)	42.0	06/02	33.0	04/07	
			NITRATE (N)	9.5	06/02	7.5	04/07	
			CLO4	14.8	06/01	6.5	01/06	
			AS	6.9	07/95	2.8	08/01	
			CR6	8.9	11/00	8.4	06/01	
05	MUNICIPAL	ACTIVE	PCE	12.0	10/16	8.0	05/17	VULNERABLE
			TCE	6.8	04/96	2.7	05/17	(VOCS, NITRATE, AND CLO4) (1,4)
			1,2-DCA	0.7	09/02	ND	05/17	
			1,1-DCE	2.4	10/16	1.4	05/17	
			NITRATE (NO3)	32.3	07/16	28.3	05/17	
			NITRATE (N)	7.3	07/16	6.4	05/17	
			CLO4	11.0	04/04	ND	05/17	
			AS	6.8	07/95	2.3	12/15	
			CR6	8.3	05/11	6.5	12/15	
05TH AVE	MUNICIPAL	DESTROYED	TCE	0.3	12/80	0.3	12/80	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
KNIGHT, KATHRYN M.								
NA	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
LANDEROS, JOHN								
NA	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS
AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
LA PUENTE VALLEY COUNTY WATER DISTRICT								
01	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
02	MUNICIPAL	ACTIVE	TCE	120.0	12/12	84.0	05/17	VULNERABLE
			PCE	6.6	03/00	4.4	05/17	(VOCS, NITRATE, AND CLO4) (1,4)
			CTC	8.5	12/02	3.4	05/17	
			1,1-DCA	2.1	11/03	0.7	05/17	
			1,2-DCA	6.1	03/00	2.4	05/17	
			1,1-DCE	1.6	12/00	ND	05/17	
			C-1,2-DCE	1.9	04/10	1.5	05/17	
			NITRATE (NO3)	35.4	05/17	35.4	05/17	
			NITRATE (N)	8.0	05/17	8.0	05/17	
			CLO4	183.0	02/98	34.0	05/17	
			AS	1.9	04/06	ND	06/16	
			CR6	3.7	04/06	3.5	10/16	
03	MUNICIPAL	ACTIVE	TCE	72.0	03/11	0.6	05/17	VULNERABLE
			PCE	6.3	04/85	ND	05/17	(VOCS, NITRATE, AND CLO4) (1,4)
			CTC	8.5	11/04	ND	05/17	
			1,1-DCE	0.9	10/95	ND	05/17	
			1,2-DCA	6.7	02/99	ND	05/17	
			C-1,2-DCE	1.4	01/97	ND	05/17	
			1,1-DCA	0.5	09/01	ND	05/17	
			NITRATE (NO3)	95.0	01/80	43.8	05/17	
			NITRATE (N)	21.5	01/80	9.9	05/17	
			CLO4	174.0	02/98	6.6	05/17	
			AS	2.1	08/04	ND	10/16	
			CR6	4.3	06/01	4.0	10/16	
04	MUNICIPAL	INACTIVE	TCE	84.3	03/00	46.0	04/04	VULNERABLE
			PCE	6.6	03/00	2.9	04/04	(VOCS, NITRATE, AND CLO4) (1,4)
			CTC	7.6	04/95	1.9	04/04	
			1,1-DCA	0.7	04/04	0.7	04/04	
			1,2-DCA	8.1	03/00	4.4	04/04	
			1,1-DCE	1.3	04/97	0.5	04/04	
			C-1,2-DCE	15.6	11/98	1.7	04/04	
			NITRATE (NO3)	24.9	04/95	18.1	04/04	
			NITRATE (N)	5.6	04/95	4.1	04/04	
			CLO4	159.0	06/97	71.2	04/04	
			AS	2.3	09/94	ND	11/98	
			CR6	4.3	11/00	4.3	11/00	
05	MUNICIPAL	ACTIVE	TCE	43.0	03/08	12.0	05/17	VULNERABLE
			PCE	3.8	03/08	1.1	05/17	(VOCS, NITRATE, AND CLO4) (1,4)
			CTC	2.3	03/08	ND	05/17	
			1,1-DCA	0.5	03/08	ND	05/17	
			1,2-DCA	2.7	03/08	ND	05/17	
			1,1-DCE	0.5	03/08	ND	05/17	
			C-1,2-DCE	0.8	11/08	ND	05/17	
			NITRATE (NO3)	34.5	12/16	34.1	05/17	
			NITRATE (N)	7.8	12/16	7.7	05/17	
			CLO4	65.0	03/08	14.0	05/17	
			AS	1.1	03/08	ND	08/16	
			CR6	3.1	05/11	3.0	11/14	
LA VERNE, CITY OF								
SNIDO	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
W15-L	MUNICUPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS
AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
W24-L	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
LEE, PAUL								
01	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
02	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
03	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
04	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
LOS ANGELES, COUNTY OF								
02	NON POTABLE	DESTROYED	PCE	6.6	09/04	6.6	09/04	
			TCE	1.3	09/04	1.3	09/04	
			1,2-DCA	0.5	01/96	ND	09/04	
			NITRATE (NO3)	10.7	09/04	10.7	09/04	
			NITRATE (N)	2.4	09/04	2.4	09/04	
			CLO4	ND	08/97	ND	08/97	
03	IRRIGATION	DESTROYED	PCE	2.1	06/94	2.1	06/94	
			TCE	0.7	06/94	0.7	06/94	
			NITRATE (NO3)	4.8	06/94	4.8	06/94	
			NITRATE (N)	1.1	06/94	1.1	06/94	
			CLO4	NA	NA	NA	NA	
03A	IRRIGATION	DESTROYED	PCE	2.5	11/99	ND	10/08	
			NITRATE (NO3)	2.1	08/96	ND	10/08	
			NITRATE (N)	0.5	08/96	ND	10/08	
			CLO4	ND	08/97	ND	08/97	
04	IRRIGATION	DESTROYED	1,1,1-TCA	0.7	05/87	ND	11/87	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
05	IRRIGATION	DESTROYED	PCE	39.0	09/03	35.7	10/08	
			TCE	1.3	09/03	ND	10/08	
			NITRATE (NO3)	18.0	09/03	14.0	10/08	
			NITRATE (N)	4.1	09/03	3.2	10/08	
			CLO4	ND	08/97	ND	08/97	
06	IRRIGATION	DESTROYED	PCE	7.4	08/96	2.8	11/99	
			TCE	8.3	08/96	2.9	11/99	
			1,1-DCA	2.0	08/96	ND	11/99	
			1,1-DCE	1.4	08/96	ND	11/99	
			C-1,2-DCE	4.5	08/96	0.8	11/99	
			NITRATE (NO3)	11.6	08/96	8.4	11/99	
			NITRATE (N)	2.6	08/96	1.9	11/99	
			CLO4	NA	NA	NA	NA	
600	IRRIGATION	INACTIVE	VOCS	ND	07/98	ND	07/98	
			NITRATE (NO3)	4.8	07/98	4.8	07/98	
			NITRATE (N)	1.1	07/98	1.1	07/98	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			CLO4	ND	07/98	ND	07/98	
BIG RED	NON POTABLE	INACTIVE	1,2-DCA	0.6	01/96	ND	10/09	
			NITRATE (NO3)	12.0	09/02	ND	10/09	
			NITRATE (N)	2.7	09/02	ND	10/09	
			CLO4	ND	08/97	ND	08/97	
NEW LAKE	NON POTABLE	INACTIVE	PCE	19.7	02/00	ND	11/10	
			TCE	0.9	02/00	ND	11/10	
			NITRATE (NO3)	22.0	02/00	18.0	11/10	
			NITRATE (N)	5.0	02/00	4.1	11/10	
			CLO4	ND	08/97	ND	08/97	
SF 1	NON POTABLE	ACTIVE	TCE	4.3	09/04	ND	10/10	VULNERABLE
			PCE	7.6	09/04	ND	10/10	(VOCS)
			VC	1.4	12/87	ND	10/10	
			NITRATE (NO3)	16.0	09/02	6.3	10/10	
			NITRATE (N)	3.6	09/02	1.4	10/10	
			CLO4	ND	06/97	ND	05/10	
WHI 1	NON POTABLE	INACTIVE	PCE	3.8	09/04	1.4	11/10	
			TCE	1.0	09/04	ND	11/10	
			NITRATE (NO3)	7.7	10/09	5.1	11/10	
			NITRATE (N)	1.7	10/09	1.2	11/10	
			CLO4	ND	08/97	ND	08/97	
LOS FLORES MUTUAL WATER COMPANY								
HI 1	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
LO 1	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
LOUCKS, DAVID								
NA	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
MAECHTLEN ESTATE								
M-N	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
OLD60	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
SNIDO	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
MANNING BROTHERS ROCK AND SAND COMPANY								
36230	INDUSTRIAL	DESTROYED	TCE	520.0	12/79	100.0	01/80	
			NITRATE (NO3)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
MAPLE WATER COMPANY								
01	MUNICIPAL	DESTROYED	VOCS	ND	06/89	ND	07/96	
			NITRATE (NO3)	68.0	09/94	55.5	07/96	
			NITRATE (N)	15.4	09/94	12.5	07/96	
			CLO4	NA	NA	NA	NA	
			AS	1.3	07/96	1.3	07/96	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS
AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
02	MUNICIPAL	DESTROYED	VOCS	ND	06/89	ND	07/96	
			NITRATE (NO3)	62.7	11/89	55.3	07/96	
			NITRATE (N)	14.2	11/89	12.5	07/96	
			CLO4	NA	NA	NA	NA	
			AS	1.3	07/96	1.3	07/96	
MARTINEZ, FRANCES M.								
NA	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA								
02	NON-POTABLE	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
03	NON-POTABLE	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
MILLERCOORS LLC (MILLER BREWERIES WEST, L.P. /MILLER BREWING COMPANY)								
01	INDUSTRIAL	ACTIVE	VOCS	ND	01/92	ND	10/09	
			NITRATE (NO3)	9.8	01/93	4.3	10/09	
			NITRATE (N)	2.2	01/93	1.0	10/09	
			CLO4	ND	06/97	ND	06/08	
			AS	3.9	06/08	3.9	06/08	
02	INDUSTRIAL	INACTIVE	VOCS	ND	01/92	ND	03/15	
(NW WELL)			NITRATE (NO3)	14.0	10/92	3.4	06/14	
			NITRATE (N)	3.2	10/92	0.8	06/14	
			CLO4	ND	06/97	ND	06/14	
			AS	3.5	05/08	3.3	06/13	
			CR6	ND	12/14	ND	12/14	
N BREWER	INDUSTRIAL	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
MONROVIA, CITY OF								
01	MUNICIPAL	DESTROYED	TCE	46.8	11/92	12.0	04/02	
			PCE	3.9	03/81	0.8	04/02	
			1,1-DCE	1.2	08/96	0.9	04/02	
			1,1,1-TCA	2.1	08/87	ND	07/01	
			NITRATE (NO3)	78.0	02/01	60.0	03/02	
			NITRATE (N)	17.6	02/01	13.6	03/02	
			CLO4	11.1	02/01	8.4	04/02	
			AS	2.5	10/00	2.5	10/00	
02	MUNICIPAL	ACTIVE	TCE	167.0	08/82	3.4	05/17	VULNERABLE
			PCE	11.0	08/82	0.9	05/17	(VOCS, NITRATE AND CLO4) (1)
			1,1,1-TCA	7.1	02/87	ND	07/16	
			1,1-DCE	3.4	06/87	ND	04/17	
			1,2-DCA	1.5	02/87	ND	07/16	
			NITRATE (NO3)	65.6	12/91	57.5	05/17	
			NITRATE (N)	14.8	12/91	13.0	05/17	
			CLO4	6.9	04/15	ND	05/17	
			AS	0.9	08/96	ND	04/16	
			CR6	7.1	04/16	7.1	04/16	
03	MUNICIPAL	ACTIVE	TCE	18.0	08/82	1.4	05/17	VULNERABLE
			PCE	17.0	08/82	ND	05/17	(VOCS AND NITRATE) (1)
			1,1-DCE	0.8	12/08	ND	04/17	
			NITRATE (NO3)	49.6	05/76	7.1	05/17	
			NITRATE (N)	11.2	05/76	1.6	05/17	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS
AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			CLO4	ND	08/97	ND	05/17	
			AS	3.6	08/97	ND	04/16	
			CR6	5.8	08/13	1.7	04/16	
04	MUNICIPAL	ACTIVE	TCE	6.5	02/91	1.3	05/17	VULNERABLE
			PCE	1.0	02/91	ND	05/17	(VOCS AND NITRATE) (1)
			1,1-DCE	1.1	01/05	ND	04/17	
			NITRATE (NO3)	28.8	06/91	11.1	05/17	
			NITRATE (N)	6.5	06/91	2.5	05/17	
			CLO4	ND	08/97	ND	05/17	
			AS	3.8	08/97	ND	12/16	
			CR6	1.1	07/01	ND	12/16	
05	MUNICIPAL	ACTIVE	TCE	6.5	06/16	3.5	05/17	VULNERABLE
			PCE	1.0	10/02	ND	05/17	(VOCS AND NITRATE) (1)
			1,1-DCE	1.0	10/02	ND	04/17	
			NITRATE (NO3)	29.4	01/91	10.6	05/17	
			NITRATE (N)	6.6	01/91	2.4	05/17	
			CLO4	ND	08/97	ND	05/17	
			AS	1.0	08/96	ND	04/16	
			CR6	1.5	04/16	1.5	04/16	
06	MUNICIPAL	ACTIVE	TCE	23.0	04/14	11.0	05/17	VULNERABLE
			PCE	2.3	01/10	1.9	05/17	(VOCS, NITRATE AND CLO4) (1)
			1,1-DCE	0.8	10/07	ND	04/17	
			NITRATE (NO3)	42.0	06/14	29.2	05/17	
			NITRATE (N)	9.5	06/14	6.6	05/17	
			CLO4	4.9	06/14	ND	05/17	
			AS	ND	10/99	ND	04/16	
			CR6	3.5	04/16	3.5	04/16	
MONROVIA NURSERY								
DIV 4	IRRIGATION	DESTROYED	VOCS	ND	08/96	ND	02/07	
			NITRATE (NO3)	213.0	09/04	202.0	02/07	
			NITRATE (N)	48.1	09/04	45.6	02/07	
			CLO4	ND	02/98	ND	02/98	
DIV 8	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
MONTEREY PARK, CITY OF								
01	MUNICIPAL	ACTIVE	PCE	64.1	12/08	2.4	05/17	VULNERABLE
			TCE	4.1	05/04	ND	05/17	(VOCS, NITRATE AND CLO4) (1)
			1,1-DCE	0.6	05/04	ND	05/17	
			1,1-DCA	1.0	05/04	ND	05/17	
			C-1,2-DCE	1.0	03/04	ND	05/17	
			NITRATE (NO3)	24.0	12/12	11.1	05/17	
			NITRATE (N)	5.4	12/12	2.5	05/17	
			CLO4	4.7	05/04	ND	05/17	
			AS	0.5	07/96	ND	05/17	
			CR6	6.2	11/00	3.4	11/14	
02	MUNICIPAL	DESTROYED	PCE	6.4	04/98	6.4	04/98	
			NITRATE (NO3)	18.3	07/95	13.0	07/97	
			NITRATE (N)	4.1	07/95	2.9	07/97	
			CLO4	3.0	07/97	ND	03/98	
			AS	0.4	07/96	0.4	07/96	
03	MUNICIPAL	INACTIVE	PCE	25.0	08/11	22.0	05/12	VULNERABLE
			TCE	2.7	05/04	1.3	05/12	(VOCS AND CLO4) (1)
			C-1,2-DCE	0.8	05/04	ND	05/12	
			NITRATE (NO3)	13.3	07/97	5.5	05/12	
			NITRATE (N)	3.0	07/97	1.2	05/12	
			CLO4	4.2	05/04	ND	08/11	
			AS	12.9	08/89	4.1	08/11	
			CR6	3.2	05/04	2.5	01/10	
04	MUNICIPAL	DESTROYED	PCE	0.4	01/80	ND	11/87	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS
AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			NITRATE (NO3)	6.2	09/87	6.2	09/87	
			NITRATE (N)	1.4	09/87	1.4	09/87	
			CLO4	NA	NA	NA	NA	
05	MUNICIPAL	ACTIVE	PCE	40.0	06/13	16.0	04/17	VULNERABLE
			TCE	7.0	01/92	0.6	04/17	(VOCS, NITRATE AND CLO4) (1,4)
			C-1,2-DCE	2.0	11/01	ND	04/17	
			1,1-DCA	1.1	11/01	ND	04/17	
			1,1-DCE	0.7	11/01	ND	04/17	
			NITRATE (NO3)	27.0	11/15	23.5	04/17	
			NITRATE (N)	6.1	11/15	5.3	04/17	
			CLO4	6.5	02/01	ND	04/17	
			AS	1.5	10/12	ND	11/15	
			CR6	4.7	11/14	4.7	11/15	
06	MUNICIPAL	INACTIVE	PCE	13.6	03/01	3.1	05/05	
			TCE	6.4	05/89	3.1	05/05	
			C-1,2-DCE	1.3	01/99	1.2	05/05	
			1,1-DCA	0.8	11/01	0.6	05/05	
			NITRATE (NO3)	30.0	06/03	24.7	05/05	
			NITRATE (N)	6.8	06/03	5.6	05/05	
			CLO4	5.9	04/02	5.9	04/02	
			AS	2.2	09/00	ND	08/02	
			CR6	4.1	11/00	3.4	05/01	
07	MUNICIPAL	INACTIVE	PCE	6.0	09/10	6.0	09/10	
			NITRATE (NO3)	12.8	08/89	2.7	08/10	
			NITRATE (N)	2.9	08/89	0.6	08/10	
			CLO4	ND	08/97	ND	08/10	
			AS	28.4	07/96	2.1	08/09	
			CR6	5.3	02/07	5.1	01/10	
08	MUNICIPAL	INACTIVE	PCE	2.5	02/05	1.9	03/09	
			NITRATE (NO3)	17.0	08/05	ND	11/08	
			NITRATE (N)	3.8	08/05	ND	11/08	
			CLO4	ND	08/97	ND	11/08	
			AS	45.0	03/09	45.0	03/09	
			CR6	6.7	12/01	6.7	12/01	
09	MUNICIPAL	ACTIVE	PCE	13.0	05/15	ND	05/17	VULNERABLE
			TCE	1.3	04/97	ND	05/17	(VOCS) (1,4)
			NITRATE (NO3)	18.0	07/12	ND	05/17	
			NITRATE (N)	4.1	07/12	ND	05/17	
			CLO4	ND	08/97	ND	05/17	
			AS	15.0	06/07	12.0	04/17	
			CR6	3.4	11/00	2.4	02/16	
10	MUNICIPAL	ACTIVE	PCE	17.0	02/12	7.5	05/17	VULNERABLE
			TCE	2.6	05/04	0.7	05/17	(VOCS, NITRATE AND CLO4) (1)
			C-1,2-DCE	0.8	05/04	ND	05/17	
			NITRATE (NO3)	28.8	11/16	24.3	05/17	
			NITRATE (N)	6.5	11/16	5.5	05/17	
			CLO4	4.3	05/04	ND	05/17	
			AS	6.7	07/98	3.1	05/17	
			CR6	6.6	11/00	5.7	08/16	
12	MUNICIPAL	ACTIVE	PCE	85.0	05/02	40.0	05/17	VULNERABLE
			TCE	5.4	10/95	2.1	05/17	(VOCS, NITRATE AND CLO4) (1,4)
			1,1-DCA	1.3	05/12	0.6	05/17	
			1,1-DCE	0.5	05/12	ND	05/17	
			C-1,2-DCE	1.4	05/12	0.6	05/17	
			NITRATE (NO3)	27.2	08/07	12.4	05/17	
			NITRATE (N)	6.1	08/07	2.8	05/17	
			CLO4	15.0	09/97	ND	05/17	
			AS	ND	04/81	ND	05/17	
			CR6	4.6	02/07	3.8	02/16	
14	MUNICIPAL	INACTIVE	PCE	2.2	05/02	0.7	05/06	
			TCE	2.9	11/02	1.5	05/06	
			1,1-DCA	0.8	08/02	ND	05/06	
			C-1,2-DCE	1.0	11/02	ND	05/06	
			NITRATE (NO3)	10.0	10/06	10.0	10/06	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS
AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			NITRATE (N)	2.3	10/06	2.3	10/06	
			CLO4	ND	08/97	ND	05/03	
			AS	41.0	08/05	39.0	03/06	
			CR6	1.0	11/00	1.0	05/01	
15	MUNICIPAL	ACTIVE	PCE	190.0	02/12	66.0	05/17	VULNERABLE
			TCE	3.6	03/15	1.8	05/17	(VOCS AND NITRATE) (1,4)
			C-1,2-DCE	0.8	08/16	ND	05/17	
			1,1-DCA	0.7	08/16	ND	05/17	
			NITRATE (NO3)	23.0	11/08	16.8	05/17	
			NITRATE (N)	5.2	11/08	3.8	05/17	
			CLO4	2.4	07/06	ND	05/17	
			AS	ND	09/06	ND	05/17	
			CR6	2.9	02/07	ND	08/15	
FERN	MUNICIPAL	ACTIVE	PCE	12.0	08/10	ND	05/17	VULNERABLE
			TCE	2.8	10/16	ND	05/17	(VOCS) (1)
			C-1,2-DCE	0.7	03/04	ND	05/17	
			NITRATE (NO3)	6.5	03/04	ND	11/15	
			NITRATE (N)	1.5	03/04	ND	11/15	
			CLO4	2.0	08/97	ND	05/17	
			AS	16.0	07/16	15.0	05/17	
			CR6	1.5	11/00	ND	08/16	
NAMIMATSU FARMS								
NA	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
OWL ROCK PRODUCTS COMPANY								
NA	INDUSTRIAL	INACTIVE	VOCS	ND	05/87	ND	10/09	
			NITRATE (NO3)	8.7	08/89	ND	10/09	
			NITRATE (N)	2.0	08/89	ND	10/09	
			CLO4	NA	NA	NA	NA	
NA	INDUSTRIAL	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
NA	INDUSTRIAL	INACTIVE	VOCS	ND	10/02	ND	11/04	
			NITRATE (NO3)	ND	10/02	ND	11/04	
			NITRATE (N)	NA	NA	NA	11/04	
			CLO4	NA	NA	NA	NA	
PICO COUNTY WATER DISTRICT								
NA	MUNICIPAL	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
POLOPOLUS ET AL.								
01	IRRIGATION	INACTIVE	PCE	330.0	10/96	270.0	03/98	
			TCE	498.9	09/92	180.0	03/98	
			1,1-DCA	22.0	03/98	22.0	03/98	
			1,2-DCA	1.2	06/96	0.9	03/98	
			1,1-DCE	115.3	09/92	22.0	03/98	
			T-1,2-DCE	1.5	06/87	ND	03/98	
			1,1,1-TCA	53.0	09/92	12.0	03/98	
			CTC	0.8	06/96	0.6	03/98	
			NITRATE (NO3)	50.8	07/91	29.7	03/98	
			NITRATE (N)	11.5	07/91	6.7	03/98	
			CLO4	ND	03/98	ND	03/98	
RICHWOOD MUTUAL WATER COMPANY								
NORTH 2	MUNICIPAL	DESTROYED	PCE	93.0	05/83	4.0	12/93	
			TCE	3.0	03/81	ND	05/92	

APPENDIX C
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AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			CTC	0.2	10/80	ND	05/92	
			NITRATE (NO3)	25.0	02/84	19.7	06/99	
			NITRATE (N)	5.6	02/84	4.5	06/99	
			CLO4	NA	NA	NA	NA	
			AS	ND	06/90	ND	09/92	
SOUTH 1	MUNICIPAL	DESTROYED	PCE	96.0	05/83	3.4	12/93	
			TCE	0.7	12/82	ND	05/92	
			NITRATE (NO3)	28.6	06/99	28.6	06/99	
			NITRATE (N)	6.5	06/99	6.5	06/99	
			CLO4	NA	NA	NA	NA	
			AS	ND	06/90	ND	09/92	
ROY, RUTH								
NA	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
RURBAN HOMES MUTUAL WATER COMPANY								
NORTH 1	MUNICIPAL	ACTIVE	PCE	16.0	11/80	ND	03/17	VULNERABLE
			1,1-DCE	0.9	09/08	ND	03/17	(VOCS AND NITRATE)
			FREON 11	13.3	05/04	ND	03/17	
			FREON 113	64.4	05/04	ND	03/17	
			NITRATE (NO3)	30.0	03/01	12.0	03/17	
			NITRATE (N)	6.8	03/01	2.7	03/17	
			CLO4	ND	09/97	ND	09/16	
			AS	3.0	08/03	2.5	09/15	
			CR6	1.0	06/01	ND	09/15	
SOUTH 2	MUNICIPAL	INACTIVE	PCE	24.3	02/81	ND	03/13	VULNERABLE
			1,1-DCE	1.7	10/08	ND	03/13	(VOCS AND NITRATE)
			FREON 11	14.1	05/04	ND	03/13	
			FREON 113	54.2	05/04	ND	03/13	
			NITRATE (NO3)	38.2	03/07	21.0	03/13	
			NITRATE (N)	8.6	03/07	4.7	03/13	
			CLO4	ND	09/97	ND	06/11	
			AS	3.0	08/03	2.1	09/12	
			CR6	1.0	06/01	ND	12/01	
SAN GABRIEL COUNTRY CLUB								
01	IRRIGATION	ACTIVE	VOCS	ND	05/85	ND	08/05	
			NITRATE (NO3)	67.0	07/96	54.0	08/05	
			NITRATE (N)	15.1	07/96	12.2	08/05	
			CLO4	8.5	07/97	5.4	08/05	
02	IRRIGATION	ACTIVE	VOCS	ND	05/87	ND	08/05	VULNERABLE
			NITRATE (NO3)	23.0	10/02	20.3	08/05	(NITRATE)
			NITRATE (N)	5.2	10/02	4.6	08/05	
			CLO4	1.4	12/97	1.1	08/05	
SAN GABRIEL COUNTY WATER DISTRICT								
05 BRA	MUNICIPAL	INACTIVE	TCE	0.9	01/97	ND	03/01	
			PCE	1.9	02/99	1.0	03/01	
			NITRATE (NO3)	83.9	08/89	70.7	03/01	
			NITRATE (N)	19.0	08/89	16.0	03/01	
			CLO4	ND	09/97	ND	09/00	
			AS	0.6	08/96	ND	08/98	
			CR6	7.0	12/00	7.0	12/00	
06 BRA	MUNICIPAL	DESTROYED	VOCS	ND	02/99	ND	02/99	
			NITRATE (NO3)	108.9	08/72	57.6	03/00	
			NITRATE (N)	24.6	08/72	13.0	03/00	
			CLO4	3.0	02/99	3.0	02/99	
07	MUNICIPAL	DESTROYED	VOCS	ND	09/89	ND	10/11	
			NITRATE (NO3)	48.0	03/03	35.0	10/11	
			NITRATE (N)	10.8	03/03	7.9	10/11	

APPENDIX C
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AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			CLO4	5.6	03/03	ND	10/11	
			AS	1.3	08/96	ND	07/09	
			CR6	4.5	07/01	4.5	07/01	
08	MUNICIPAL	INACTIVE	VOCS	ND	01/90	ND	03/91	
			NITRATE (NO3)	76.0	01/82	23.4	08/93	
			NITRATE (N)	17.2	01/82	5.3	08/93	
			CLO4	NA	NA	NA	NA	
			AS	ND	06/78	ND	08/90	
09	MUNICIPAL	ACTIVE	PCE	2.7	01/16	2.2	04/17	VULNERABLE
			NITRATE (NO3)	51.0	03/03	25.2	05/17	(VOCS AND NITRATE)
			NITRATE (N)	11.5	03/03	5.7	05/17	
			CLO4	ND	09/97	ND	07/16	
			AS	ND	09/89	ND	07/15	
			CR6	8.1	12/02	7.8	07/15	
10	MUNICIPAL	INACTIVE	PCE	18.0	08/93	1.9	11/98	
			NITRATE (NO3)	50.0	05/89	31.0	11/98	
			NITRATE (N)	11.3	05/89	7.0	11/98	
			CLO4	5.5	11/98	5.5	11/98	
			AS	ND	06/78	ND	11/98	
11	MUNICIPAL	ACTIVE	PCE	3.8	04/17	3.8	05/17	VULNERABLE
			TCE	0.7	04/12	ND	04/17	(NITRATE)
			NITRATE (NO3)	57.5	07/16	57.5	04/17	
			NITRATE (N)	13.0	07/16	13.0	04/17	
			CLO4	ND	09/97	ND	07/16	
			AS	ND	06/78	ND	07/16	
			CR6	25.0	12/00	7.3	07/16	
12	MUNICIPAL	ACTIVE	TCE	0.8	09/02	ND	07/16	
			PCE	1.0	10/15	0.7	04/17	
			NITRATE (NO3)	8.9	06/16	7.5	05/17	
			NITRATE (N)	2.0	06/16	1.7	05/17	
			CLO4	ND	09/97	ND	07/16	
			AS	7.0	10/96	3.9	10/14	
			CR6	7.6	07/01	5.0	08/13	
14	MUNICIPAL	ACTIVE	PCE	0.6	09/02	ND	07/16	
			NITRATE (NO3)	19.5	02/17	4.0	05/17	
			NITRATE (N)	4.4	02/17	0.9	05/17	
			CLO4	ND	09/97	ND	07/16	
			AS	3.1	07/08	2.7	07/14	
			CR6	4.6	07/01	1.9	08/13	
15	MUNICIPAL	ACTIVE	PCE	1.9	04/17	1.9	04/17	VULNERABLE
			NITRATE (NO3)	32.3	03/17	31.9	05/17	(NITRATE)
			NITRATE (N)	7.5	03/17	7.2	05/17	
			CLO4	ND	12/14	ND	10/16	
			AS	ND	06/14	ND	04/17	
			CR6	3.6	11/14	2.9	04/17	
SAN GABRIEL VALLEY WATER COMPANY								
1B	MUNICIPAL	ACTIVE	PCE	46.0	04/81	ND	05/17	VULNERABLE
			TCE	1.8	02/80	ND	05/17	(VOCS)
			FREON 113	22.3	08/08	ND	05/17	
			NITRATE (NO3)	22.4	05/08	9.7	05/17	
			NITRATE (N)	5.1	05/08	2.2	05/17	
			CLO4	ND	08/97	ND	08/16	
			AS	2.9	07/96	2.3	08/14	
			CR6	1.0	05/14	1.0	05/14	
1C	MUNICIPAL	ACTIVE	VOCS	ND	07/98	ND	08/16	
			NITRATE (NO3)	8.3	08/11	4.9	08/16	
			NITRATE (N)	1.9	08/11	1.1	08/16	
			CLO4	ND	10/99	ND	08/16	
			AS	2.6	09/94	2.1	08/15	
			CR6	1.0	05/01	ND	08/15	
1D	MUNICIPAL	ACTIVE	VOCS	ND	07/98	ND	08/16	

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WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			NITRATE (NO3)	5.0	07/89	3.4	08/16	
			NITRATE (N)	1.1	07/89	0.8	08/16	
			CLO4	ND	08/97	ND	08/16	
			AS	2.0	11/06	ND	11/15	
			CR6	1.0	05/01	ND	11/15	
1E	MUNICIPAL	ACTIVE	PCE	0.7	09/02	ND	05/17	VULNERABLE
			NITRATE (NO3)	4.9	11/16	4.9	11/16	(CLO4)
			NITRATE (N)	1.1	11/16	1.1	11/16	
			CLO4	5.0	06/00	ND	08/16	
			AS	2.7	11/08	2.0	11/14	
			CR6	1.0	05/01	0.7	08/13	
2C	MUNICIPAL	DESTROYED	TCE	15.2	12/80	ND	11/05	
			PCE	3.0	10/87	ND	11/05	
			NITRATE (NO3)	16.4	08/04	5.2	08/05	
			NITRATE (N)	3.7	08/04	1.2	08/05	
			CLO4	ND	08/97	ND	02/03	
			AS	ND	07/89	ND	08/05	
2D	MUNICIPAL	ACTIVE	TCE	25.0	12/80	ND	05/17	VULNERABLE
			PCE	0.9	03/17	0.8	05/17	(VOCS)
			NITRATE (NO3)	8.3	08/15	7.1	08/16	
			NITRATE (N)	1.9	08/15	1.6	08/16	
			CLO4	ND	08/97	ND	08/16	
			AS	ND	07/89	ND	09/14	
			CR6	1.7	05/01	1.2	05/11	
2E	MUNICIPAL	ACTIVE	TCE	18.0	01/80	ND	05/17	VULNERABLE
			PCE	3.6	09/16	3.2	05/17	(VOCS)
			NITRATE (NO3)	20.0	08/15	18.6	08/16	
			NITRATE (N)	4.5	08/15	4.2	08/16	
			CLO4	ND	08/97	ND	08/16	
			AS	ND	07/89	ND	08/14	
			CR6	2.8	06/01	1.9	05/11	
2F	MUNICIPAL	ACTIVE	TCE	1.3	02/15	ND	05/17	
			PCE	1.3	09/16	1.1	05/17	
			NITRATE (NO3)	11.0	08/15	8.0	08/16	
			NITRATE (N)	2.5	08/15	1.8	08/16	
			CLO4	ND	09/06	ND	08/16	
			AS	0.7	03/06	ND	08/15	
			CR6	3.1	08/15	3.1	08/15	
8A	MUNICIPAL	INACTIVE	PCE	0.6	11/87	ND	02/97	
			NITRATE (NO3)	40.2	02/97	40.2	02/97	
			NITRATE (N)	9.1	02/97	9.1	02/97	
			CLO4	NA	NA	NA	NA	
			AS	ND	07/89	ND	07/89	
8B	MUNICIPAL	ACTIVE	PCE	220.0	02/09	140.0	05/17	VULNERABLE
			TCE	1.2	11/15	0.9	05/17	(VOCS, NITRATE, AND CLO4) (1,5)
			NITRATE (NO3)	23.0	08/08	19.5	05/17	
			NITRATE (N)	5.2	08/08	4.4	05/17	
			CLO4	3.0	08/97	ND	05/17	
			AS	0.4	07/96	ND	08/15	
			CR6	2.9	11/02	2.4	08/15	
8C	MUNICIPAL	ACTIVE	PCE	170.0	05/09	85.0	05/17	VULNERABLE
			TCE	0.8	05/09	0.6	05/17	(VOCS AND CLO4) (1,5)
			NITRATE (NO3)	20.0	07/98	10.6	05/17	
			NITRATE (N)	4.5	07/98	2.4	05/17	
			CLO4	4.0	03/08	ND	05/17	
			AS	0.5	07/96	ND	08/15	
			CR6	3.4	08/15	3.4	08/15	
8D	MUNICIPAL	ACTIVE	PCE	150.0	05/17	150.0	05/17	VULNERABLE
			TCE	1.0	02/14	1.0	05/17	(VOCS AND NITRATE) (1,5)
			C-1,2 DCE	0.8	05/04	ND	05/17	
			CTC	0.6	06/88	ND	05/17	
			NITRATE (NO3)	29.0	06/09	19.9	05/17	
			NITRATE (N)	6.6	06/09	4.5	05/17	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			CLO4	2.3	03/08	ND	05/17	
			AS	29.5	09/94	ND	05/17	
			CR6	3.3	11/00	2.9	05/17	
8E	MUNICIPAL	ACTIVE	PCE	10.0	03/03	ND	05/17	VULNERABLE
			NITRATE (NO3)	7.2	07/01	ND	05/17	(VOCS) (1,5)
			NITRATE (N)	1.6	07/01	ND	05/17	
			CLO4	ND	08/97	ND	05/17	
			AS	2.8	08/95	ND	08/16	
			CR6	4.8	08/16	4.8	08/16	
8F	MUNICIPAL	ACTIVE	VOCS	ND	10/98	ND	05/17	
			NITRATE (NO3)	19.0	11/10	3.5	05/17	
			NITRATE (N)	4.3	11/10	0.8	05/17	
			CLO4	ND	01/99	ND	05/17	
			AS	2.2	11/01	2.1	11/16	
			CR6	7.0	11/16	7.0	11/16	
11A	MUNICIPAL	ACTIVE	PCE	1.5	02/08	ND	05/17	
			NITRATE (NO3)	14.7	07/89	6.2	08/16	
			NITRATE (N)	3.3	07/89	1.4	08/16	
			CLO4	ND	08/97	ND	08/16	
			AS	3.9	07/96	2.9	08/15	
			CR6	6.8	05/01	5.4	08/15	
11B	MUNICIPAL	ACTIVE	PCE	17.8	04/90	ND	12/16	VULNERABLE
			TCE	4.0	04/90	ND	12/16	(VOCS) (1)
			1,1-DCE	0.2	04/89	ND	12/16	
			C-1,2-DCE	3.0	04/89	ND	12/16	
			NITRATE (NO3)	18.3	08/06	7.1	11/16	
			NITRATE (N)	4.1	08/06	1.6	11/16	
			CLO4	ND	06/97	ND	08/16	
			AS	4.8	09/94	2.4	12/15	
			CR6	6.1	11/00	2.4	12/15	
11C	MUNICIPAL	ACTIVE	PCE	4.1	12/91	ND	05/17	VULNERABLE
			TCE	0.6	12/91	ND	05/17	(VOCS)
			1,1-DCE	1.1	08/08	ND	05/17	
			C-1,2-DCE	2.5	03/92	ND	05/17	
			NITRATE (NO3)	12.0	08/06	6.2	08/16	
			NITRATE (N)	2.7	08/06	1.4	08/16	
			CLO4	ND	08/97	ND	08/16	
			AS	7.5	07/96	3.0	08/15	
			CR6	4.8	05/01	1.0	08/15	
B1	MUNICIPAL	INACTIVE	TCE	12.0	04/85	ND	08/06	
			PCE	7.3	05/88	ND	08/06	
			C-1,2-DCE	7.2	12/92	ND	08/06	
			1,1-DCE	2.1	08/89	ND	08/06	
			NITRATE (NO3)	17.4	02/87	3.5	03/05	
			NITRATE (N)	3.9	02/87	0.8	03/05	
			CLO4	ND	08/97	ND	02/03	
			AS	2.8	07/96	2.3	02/05	
B2	MUNICIPAL	INACTIVE	TCE	17.0	03/80	ND	11/98	
			PCE	15.8	06/80	0.7	11/98	
			CTC	1.7	05/82	ND	11/98	
			1,2-DCA	7.7	07/82	ND	11/98	
			1,1,1-TCA	7.6	07/82	ND	11/98	
			C-1,2-DCE	2.6	08/93	ND	11/98	
			NITRATE (NO3)	8.7	11/98	8.7	11/98	
			NITRATE (N)	2.0	11/98	2.0	11/98	
			CLO4	ND	11/98	ND	11/98	
B4B	MUNICIPAL	INACTIVE	TCE	25.2	02/08	25.2	02/08	
			PCE	43.0	11/07	5.8	02/08	
			CTC	10.0	11/03	6.6	02/08	
			1,2-DCA	1.0	09/07	0.5	02/08	
			1,1-DCE	3.2	11/07	2.3	02/08	
			C-1,2-DCE	4.2	11/07	2.7	02/08	
			NITRATE (NO3)	13.1	11/07	13.1	11/07	
			NITRATE (N)	3.0	11/07	3.0	11/07	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS
AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			CLO4	24.5	04/08	24.5	04/08	
			AS	6.3	08/95	2.0	02/08	
			CR6	4.1	05/01	4.1	05/01	
B4C	MUNICIPAL	INACTIVE	CTC	22.3	02/01	14.0	08/01	
			TCE	15.5	02/01	9.3	08/01	
			PCE	3.4	02/01	2.2	08/01	
			1,1-DCE	2.3	09/01	2.3	09/01	
			C-1,2-DCE	2.4	09/01	2.4	09/01	
			NITRATE (NO3)	14.2	02/01	14.2	02/01	
			NITRATE (N)	3.2	02/01	3.2	02/01	
			CLO4	6.0	06/00	ND	07/00	
			AS	5.8	08/95	ND	03/99	
			CR6	3.3	05/01	3.3	05/01	
B5A	MUNICIPAL	INACTIVE	PCE	17.5	03/91	ND	11/05	
			TCE	5.2	03/98	ND	11/05	
			1,1-DCE	2.5	03/85	ND	08/05	
			CTC	1.1	12/91	ND	11/05	
			1,1,1-TCA	3.7	03/90	ND	08/05	
			NITRATE (NO3)	46.1	07/96	25.3	11/05	
			NITRATE (N)	10.4	07/96	5.7	11/05	
			CLO4	14.0	06/97	4.0	08/05	
			AS	2.8	07/96	2.0	08/05	
			CR6	6.4	11/00	6.2	05/01	
B5B	MUNICIPAL	ACTIVE	TCE	5.8	02/97	2.1	05/17	VULNERABLE
			PCE	4.3	10/16	2.4	05/17	(VOCS, NITRATE, AND CL04) (1,4)
			CTC	2.3	02/85	ND	05/17	
			1,1-DCE	0.6	10/16	ND	05/17	
			1,2-DCA	0.6	09/07	ND	05/17	
			NITRATE (NO3)	56.0	12/12	43.8	05/17	
			NITRATE (N)	12.7	12/12	9.9	05/17	
			CLO4	12.0	06/97	5.3	05/17	
			AS	2.4	08/16	2.4	08/16	
			CR6	7.1	08/16	7.1	08/16	
B5C	MUNICIPAL	INACTIVE	VOCS	ND	05/89	ND	08/07	
			NITRATE (NO3)	3.8	05/07	3.8	05/07	
			NITRATE (N)	0.9	05/07	0.9	05/07	
			CLO4	ND	06/97	ND	03/08	
			AS	5.8	08/95	2.0	08/07	
			CR6	5.8	05/01	5.8	05/01	
B5D	MUNICIPAL	ACTIVE	CTC	1.2	11/15	0.5	05/17	VULNERABLE
			NITRATE (NO3)	4.9	08/08	3.7	05/17	(VOCS) (1,4)
			NITRATE (N)	1.1	08/08	0.8	05/17	
			CLO4	ND	12/97	ND	05/17	
			AS	2.4	09/10	2.4	08/16	
			CR6	4.6	05/01	3.2	08/16	
B5E	MUNICIPAL	ACTIVE	TCE	21.0	10/16	12.0	05/17	VULNERABLE
			PCE	3.8	08/15	2.4	05/17	(VOCS, NITRATE, AND CLO4) (1,4)
			CTC	5.2	05/07	1.4	05/17	
			1,2-DCA	1.2	10/16	0.7	05/17	
			1,1-DCE	1.1	08/16	0.6	05/17	
			C-1,2-DCE	1.6	10/16	0.9	05/17	
			NITRATE (NO3)	26.0	08/15	19.5	05/17	
			NITRATE (N)	5.9	08/15	4.4	05/17	
			CLO4	21.0	11/14	17.0	05/17	
			AS	3.0	08/07	2.9	08/16	
			CR6	7.0	02/09	6.6	08/16	
B6B	MUNICIPAL	DESTROYED	TCE	111.0	02/85	35.8	09/92	
			PCE	6.4	10/81	4.3	09/92	
			CTC	17.0	02/85	5.0	09/92	
			1,1-DCE	1.1	04/85	0.5	09/92	
			1,1-DCA	0.6	09/92	0.6	09/92	
			1,2-DCA	8.3	09/92	8.3	09/92	
			NITRATE (NO3)	85.4	02/91	57.2	09/92	
			NITRATE (N)	19.3	02/91	12.9	09/92	
			CLO4	NA	NA	NA	NA	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS
AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
B6C	MUNICIPAL	ACTIVE	TCE	84.0	03/88	1.3	08/16	VULNERABLE
			PCE	12.0	11/81	ND	08/16	(VOCS, NITRATE, AND CLO4) (1,4)
			CTC	13.0	02/85	ND	08/16	
			1,2-DCA	9.0	05/88	ND	08/16	
			1,1-DCE	1.5	06/94	ND	08/16	
			C-1,2-DCE	6.2	04/88	ND	08/16	
			NITRATE (NO3)	97.4	08/16	97.4	08/16	
			NITRATE (N)	22.0	08/16	22.0	08/16	
			CLO4	370.0	11/05	18.0	08/16	
			AS	3.7	07/96	2.2	08/14	
			CR6	3.9	03/10	2.3	10/14	
B6D	MUNICIPAL	ACTIVE	TCE	140.0	05/11	45.0	05/17	VULNERABLE
			PCE	7.1	05/09	2.3	05/17	(VOCS, NITRATE, AND CLO4) (1,4)
			CTC	14.0	05/11	4.9	05/17	
			1,1-DCA	1.1	05/09	ND	05/17	
			1,2-DCA	3.7	05/11	1.1	05/17	
			1,1-DCE	1.0	08/08	ND	05/17	
			C-1,2-DCE	2.8	05/09	0.9	05/17	
			NITRATE (NO3)	29.0	05/15	20.8	05/17	
			NITRATE (N)	6.6	05/15	4.7	05/17	
			CLO4	390.0	11/05	23.0	05/17	
			AS	3.1	07/96	ND	08/14	
			CR6	2.9	10/14	2.9	10/14	
B7B	MUNICIPAL	DESTROYED	TCE	2.4	03/85	2.4	03/85	
			PCE	1.4	03/85	1.2	03/85	
			NITRATE (NO3)	12.4	08/87	12.4	08/87	
			NITRATE (N)	2.8	08/87	2.8	08/87	
			CLO4	NA	NA	NA	NA	
B7C	MUNICIPAL	DESTROYED	TCE	15.0	11/10	4.8	11/14	VULNERABLE
			PCE	35.0	03/03	15.0	11/14	(VOCS AND NITRATE) (1)
			1,1-DCE	6.7	12/89	2.9	11/14	
			C-1,2-DCE	4.7	12/93	0.9	11/14	
			CTC	0.6	02/89	ND	08/14	
			NITRATE (NO3)	28.4	08/92	15.0	08/14	
			NITRATE (N)	6.4	08/92	3.4	08/14	
			CLO4	ND	06/97	ND	08/14	
			AS	2.0	08/05	ND	08/14	
			CR6	5.0	05/01	3.5	05/11	
B7D	MUNICIPAL	INACTIVE	PCE	5.3	07/87	3.5	09/87	
			TCE	3.9	07/87	3.3	09/87	
			1,1-DCE	5.3	05/87	5.0	09/87	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
B7E	MUNICIPAL	ACTIVE	PCE	1.1	08/15	ND	05/17	
			NITRATE (NO3)	16.0	11/08	3.1	05/17	
			NITRATE (N)	3.6	11/08	0.7	05/17	
			CLO4	ND	06/97	ND	08/16	
			AS	4.6	03/97	3.1	05/15	
			CR6	3.4	05/01	3.0	05/11	
B8	MUNICIPAL	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
B9	MUNICIPAL	INACTIVE	TCE	37.0	02/85	34.7	01/87	
			PCE	4.9	01/87	4.9	01/87	
			CTC	8.3	01/87	8.3	01/87	
			NITRATE (NO3)	84.7	02/86	68.1	02/87	
			NITRATE (N)	19.1	02/86	15.4	02/87	
			CLO4	NA	NA	NA	NA	
B9B	MUNICIPAL	ACTIVE	VOCS	ND	06/87	ND	08/16	
			NITRATE (NO3)	4.5	06/87	2.9	08/16	
			NITRATE (N)	1.0	06/87	0.7	08/16	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			CLO4	1.2	03/08	ND	08/16	
			AS	3.5	08/95	ND	08/16	
			CR6	9.8	05/01	7.1	03/17	
B11A	MUNICIPAL	INACTIVE	TCE	9.8	08/01	5.8	08/04	
			PCE	21.7	05/92	8.5	08/04	
			1,1-DCE	14.0	08/01	2.8	08/04	
			CTC	0.9	01/88	ND	08/04	
			C-1,2-DCE	1.5	08/01	0.6	09/04	
			1,1-DCA	1.0	08/01	ND	08/04	
			NITRATE (NO3)	37.7	03/00	36.5	08/04	
			NITRATE (N)	8.5	03/00	8.2	08/04	
			CLO4	8.0	12/97	ND	08/04	
			AS	2.7	07/96	ND	09/02	
			CR6	10.0	06/01	10.0	06/01	
B11B	MUNICIPAL	ACTIVE	TCE	33.0	11/14	7.8	05/17	VULNERABLE
			PCE	34.5	06/92	10.0	05/17	(VOCS, NITRATE, AND CLO4) (1)
			CTC	0.8	08/16	ND	05/17	
			1,1-DCE	64.0	11/14	15.0	05/17	
			1,1-DCA	4.7	11/14	0.9	05/17	
			1,1,1-TCA	2.9	10/88	ND	05/17	
			C-1,2-DCE	5.1	11/14	1.4	05/17	
			NITRATE (NO3)	46.0	11/14	21.7	05/17	
			NITRATE (N)	10.4	11/14	4.9	05/17	
			CLO4	7.0	06/00	ND	03/17	
			AS	2.2	07/96	ND	08/14	
			CR6	10.3	05/01	7.9	03/17	
B24A	MUNICIPAL	ACTIVE	VOCS	ND	01/07	ND	05/17	
			NITRATE (NO3)	13.0	02/15	5.3	02/17	
			NITRATE (N)	2.9	02/15	1.2	02/17	
			CLO4	ND	01/07	ND	03/17	
			AS	2.4	02/16	2.4	02/16	
			CR6	1.2	08/13	ND	02/16	
B24B	MUNICIPAL	ACTIVE	PCE	2.1	05/07	ND	05/17	
			TCE	0.7	05/07	ND	05/17	
			NITRATE (NO3)	15.0	02/14	7.5	02/17	
			NITRATE (N)	3.4	02/14	1.7	02/17	
			CLO4	ND	01/07	ND	03/17	
			AS	2.8	02/16	2.8	02/16	
			CR6	3.3	08/13	1.1	02/16	
B25A	MUNICIPAL	ACTIVE	TCE	73.0	05/17	73.0	05/17	VULNERABLE
(SA3-1S)			PCE	35.0	08/13	32.0	05/17	(VOCS, NITRATE, AND CLO4) (1,4)
			CTC	5.9	10/07	2.6	05/17	
			1,1-DCA	0.7	05/17	0.7	05/17	
			1,2-DCA	1.7	08/16	1.4	05/17	
			1,1-DCE	6.6	02/08	6.3	05/17	
			C-1,2-DCE	6.3	08/07	5.4	05/17	
			NITRATE (NO3)	78.0	05/09	57.5	05/17	
			NITRATE (N)	17.6	05/09	13.0	05/17	
			CLO4	47.0	02/17	47.0	05/17	
			AS	3.2	03/10	ND	05/16	
			CR6	3.2	08/14	3.1	05/16	
B25B	MUNICIPAL	ACTIVE	TCE	43.0	11/15	38	05/17	VULNERABLE
(SA3-1D)			PCE	13.0	08/16	9.7	05/17	(VOCs, NITRATE, AND CLO4) (1,4)
			CTC	10.0	09/04	5.5	05/17	
			1,1-DCA	1.2	10/07	ND	05/17	
			1,2-DCA	0.7	05/17	0.7	05/17	
			1,1-DCE	4.8	08/14	2.6	05/17	
			C-1,2-DCE	3.1	08/16	2.6	05/17	
			NITRATE (NO3)	27.0	05/09	9.3	05/17	
			NITRATE (N)	6.1	05/09	2.1	05/17	
			CLO4	22.0	01/17	20.0	05/17	
			AS	3.0	03/06	2.4	05/16	
			CR6	2.4	08/06	2.4	05/16	
B26A	MUNICIPAL	ACTIVE	TCE	57.0	05/09	28	05/17	VULNERABLE

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS
AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
(SA3-2S)			PCE	6.8	12/10	2.2	05/17	(VOCs, NITRATE, AND CLO4) (1,4)
			CTC	5.4	12/10	1.1	05/17	
			1,1-DCA	0.8	05/09	ND	05/17	
			1,2-DCA	4.3	11/04	1.3	05/17	
			1,1-DCE	2.0	12/10	ND	05/17	
			C-1,2-DCE	3.3	05/06	0.8	05/17	
			NITRATE (NO3)	70.8	05/17	70.8	05/17	
			NITRATE (N)	16.0	05/17	16.0	05/17	
			CLO4	87.0	07/06	27.0	05/17	
			AS	3.0	03/06	2.1	02/15	
			CR6	4.2	08/14	4.2	08/14	
B26B	MUNICIPAL	ACTIVE	TCE	100.0	05/17	100.0	05/17	VULNERABLE
(SA3-2D)			PCE	3.0	05/17	3.0	05/17	(VOCs AND CLO4) (1,4)
			CTC	17.0	08/16	12.0	05/17	
			1,2-DCA	3.6	08/16	2.8	05/17	
			1,1-DCE	0.6	08/16	0.6	05/17	
			C-1,2-DCE	1.8	08/16	1.6	05/17	
			NITRATE (NO3)	16.4	10/16	15.5	05/17	
			NITRATE (N)	3.7	10/16	3.5	05/17	
			CLO4	66.0	01/17	65.0	05/17	
			AS	2.9	11/04	2.1	02/15	
			CR6	3.7	02/06	3.1	08/14	
EW4-5	MUNICIPAL	ACTIVE	PCE	29.0	10/06	22.0	12/11	VULNERABLE
			TCE	4.1	10/06	1.6	12/11	(VOCS) (1)
			NITRATE (NO3)	16.0	12/05	13.0	11/11	
			NITRATE (N)	3.6	12/05	2.9	11/11	
			CLO4	ND	12/05	ND	11/11	
			AS	1.1	08/09	1.1	08/09	
EW4-6	MUNICIPAL	INACTIVE	PCE	8.1	06/06	4.7	12/11	VULNERABLE
			TCE	1.1	10/06	0.7	12/11	(VOCS) (1)
			NITRATE (NO3)	15.0	11/06	15.0	11/11	
			NITRATE (N)	3.4	11/06	3.4	11/11	
			CLO4	ND	05/06	ND	11/11	
			AS	1.0	08/09	1.0	08/09	
EW4-7	MUNICIPAL	INACTIVE	PCE	8.2	01/06	2.0	12/11	VULNERABLE
			TCE	1.8	02/06	ND	12/11	(VOCS) (1)
			NITRATE (NO3)	18.0	01/06	13.0	11/11	
			NITRATE (N)	4.1	01/06	2.9	11/11	
			CLO4	ND	12/05	ND	11/11	
			AS	1.8	08/09	1.8	08/09	
G4A	MUNICIPAL	ACTIVE	PCE	9.4	05/14	6.0	05/17	VULNERABLE
			TCE	1.3	11/97	0.6	05/17	(VOCS AND NITRATE) (1)
			NITRATE (NO3)	28.0	05/14	22.6	05/17	
			NITRATE (N)	6.3	05/14	5.1	05/17	
			CLO4	1.0	03/08	ND	04/17	
			AS	0.5	07/96	ND	11/15	
			CR6	4.4	11/00	3.7	11/15	
SIERRA LA VERNE COUNTRY CLUB								
01	IRRIGATION	INACTIVE	VOCS	ND	08/96	ND	10/07	
			NITRATE (NO3)	10.5	05/99	ND	10/07	
			NITRATE (N)	2.4	05/99	ND	10/07	
			CLO4	ND	03/98	ND	03/98	
02	IRRIGATION	INACTIVE	VOCS	ND	10/08	ND	10/10	
			NITRATE (NO3)	17.4	08/96	ND	10/10	
			NITRATE (N)	3.9	08/96	ND	10/10	
			CLO4	28.0	03/98	ND	04/98	
SLOAN RANCHES								
01	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS
AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
02	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
SONOCO PRODUCTS COMPANY								
01	INDUSTRIAL	INACTIVE	TCE	28.6	12/99	0.6	12/05	VULNERABLE
			PCE	8.5	12/99	ND	12/05	(VOCS AND NITRATE)
			1,1-DCE	113.0	12/99	1.0	12/05	
			1,1,1-TCA	71.8	12/99	ND	12/05	
			CTC	1.2	07/96	ND	12/05	
			NITRATE (NO3)	72.8	12/05	72.8	12/05	
			NITRATE (N)	16.4	12/05	16.4	12/05	
			CLO4	ND	06/98	ND	07/04	
02	INDUSTRIAL	ACTIVE	CTC	0.9	11/87	ND	12/05	VULNERABLE
			1,1,1-TCA	2.0	11/87	ND	12/05	(VOCS, NITRATE, AND CLO4)
			1,1-DCE	5.9	02/98	1.0	12/05	
			PCE	1.8	10/03	0.6	12/05	
			TCE	16.0	10/03	1.0	12/05	
			NITRATE (NO3)	74.5	12/05	74.5	12/05	
			NITRATE (N)	16.8	12/05	16.8	12/05	
			CLO4	10.0	02/98	ND	07/04	
SOUTH COVINA WATER SERVICE								
102W-1	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
SOUTHERN CALIFORNIA EDISON COMPANY								
110RH	NON-POTABLE	ACTIVE	VOCS	ND	08/89	ND	02/07	
			NITRATE (NO3)	8.9	02/07	8.9	02/07	
			NITRATE (N)	2.0	02/07	2.0	02/07	
			CLO4	ND	11/97	ND	11/97	
			AS	ND	08/98	ND	08/98	
1EB86	NON-POTABLE	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
2EB76	IRRIGATION	DESTROYED	PCE	4.3	09/04	4.1	02/07	
			TCE	1.3	09/04	0.7	02/07	
			NITRATE (NO3)	51.4	09/98	26.5	02/07	
			NITRATE (N)	11.6	09/98	6.0	02/07	
			CLO4	2.0	11/97	2.0	11/97	
38EIS	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
38W	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
MURAT	IRRIGATION	DESTROYED	PCE	4.1	09/02	0.6	10/08	
			TCE	0.9	09/02	ND	10/08	
			NITRATE (NO3)	26.9	09/04	14.0	10/08	
			NITRATE (N)	6.1	09/04	3.2	10/08	
			CLO4	ND	04/98	ND	04/98	
			AS	ND	04/98	ND	04/98	
SOUTH PASADENA, CITY OF								
GRAV 2	MUNICIPAL	ACTIVE	PCE	16.0	07/08	5.0	11/16	VULNERABLE
			CTC	0.9	07/08	ND	11/16	(VOCS, NITRATE, AND CLO4)

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			NITRATE (NO3)	58.2	04/87	44.3	11/16	
			NITRATE (N)	13.1	04/87	10.0	11/16	
			CLO4	6.9	02/03	ND	11/16	
			AS	0.7	07/96	ND	08/15	
			CR6	4.0	06/01	2.9	08/15	
WIL 2	MUNICIPAL	INACTIVE	PCE	23.0	01/88	9.1	03/01	
			TCE	4.6	03/00	4.6	03/01	
			NITRATE (NO3)	86.8	03/00	77.9	02/01	
			NITRATE (N)	19.6	03/00	17.6	02/01	
			CLO4	5.0	07/97	ND	12/99	
			AS	0.6	07/96	ND	08/99	
WIL 3	MUNICIPAL	ACTIVE	PCE	9.5	08/94	2.7	05/17	VULNERABLE
			TCE	1.9	04/13	1.6	05/17	(VOCS AND NITRATE)
			NITRATE (NO3)	66.0	01/83	25.2	05/17	
			NITRATE (N)	14.9	01/83	5.7	05/17	
			CLO4	ND	07/97	ND	05/17	
			AS	2.2	08/01	ND	08/16	
			CR6	3.7	08/16	3.7	08/16	
WIL 4	MUNICIPAL	ACTIVE	PCE	8.1	06/00	2.0	05/17	VULNERABLE
			TCE	2.1	05/07	1.8	05/17	(VOCS AND NITRATE)
			NITRATE (NO3)	30.0	02/03	23.0	05/17	
			NITRATE (N)	6.8	02/03	5.2	05/17	
			CLO4	ND	07/97	ND	05/17	
			AS	2.0	02/03	ND	05/15	
			CR6	3.9	06/01	3.5	08/13	
SPEEDWAY 605 INC.								
NA	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
STERLING MUTUAL WATER COMPANY								
NEW SO.	MUNICIPAL	ACTIVE	VOCS	ND	06/91	ND	08/16	VULNERABLE
			NITRATE (NO3)	35.0	02/10	20.8	08/16	(NITRATE)
			NITRATE (N)	7.9	02/10	4.7	08/16	
			CLO4	ND	10/97	ND	08/16	
			AS	2.9	12/00	2.7	07/14	
			CR6	1.0	06/01	0.6	08/13	
NORTH	MUNICIPAL	ACTIVE	VOCS	ND	06/88	ND	08/16	VULNERABLE
			NITRATE (NO3)	43.4	02/07	21.0	08/16	(NITRATE)
			NITRATE (N)	9.8	02/07	4.8	08/16	
			CLO4	ND	09/97	ND	08/16	
			AS	4.6	08/95	2.8	08/16	
			CR6	1.0	06/01	1.0	08/16	
SOUTH	MUNICIPAL	DESTROYED	VOCS	ND	01/85	ND	06/91	
			NITRATE (NO3)	16.2	03/91	14.0	05/12	
			NITRATE (N)	3.7	03/91	3.2	05/12	
			CLO4	NA	NA	NA	NA	
			AS	2.6	08/11	2.6	08/11	
SUBURBAN WATER SYSTEMS								
101W-1	MUNICIPAL	DESTROYED	TCE	1.5	07/87	ND	08/89	
			NITRATE (NO3)	54.2	08/89	54.2	08/89	
			NITRATE (N)	12.2	08/89	12.2	08/89	
			CLO4	NA	NA	NA	NA	
			AS	ND	02/88	ND	08/89	
102W-1	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
102W-2	MUNICIPAL	DESTROYED	TCE	2.0	01/80	ND	06/85	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
103W-1	MUNICIPAL	DESTROYED	TCE	2.5	06/80	ND	07/82	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
105W-1	MUNICIPAL	DESTROYED	PCE	1.4	01/96	1.4	01/96	
			NITRATE (NO3)	46.2	04/95	46.2	04/95	
			NITRATE (N)	10.4	04/95	10.4	04/95	
			CLO4	NA	NA	NA	NA	
			AS	ND	06/88	ND	06/94	
106W-1	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
111W-1	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	82.5	03/73	82.5	03/73	
			NITRATE (N)	18.6	03/73	18.6	03/73	
			CLO4	NA	NA	NA	NA	
112W-1	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	99.2	07/69	99.2	07/69	
			NITRATE (N)	22.4	07/69	22.4	07/69	
			CLO4	NA	NA	NA	NA	
113W-1	MUNICIPAL	DESTROYED	TCE	0.7	02/80	0.5	03/85	
			NITRATE (NO3)	85.0	10/85	67.8	02/88	
			NITRATE (N)	19.2	10/85	15.3	02/88	
			CLO4	NA	NA	NA	NA	
114W-1	MUNICIPAL	DESTROYED	TCE	2.9	01/80	ND	07/95	
			PCE	0.5	12/93	ND	07/95	
			NITRATE (NO3)	46.7	08/91	39.8	04/95	
			NITRATE (N)	10.5	08/91	9.0	04/95	
			CLO4	NA	NA	NA	NA	
			AS	ND	11/88	ND	11/94	
117W-1	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
120W-1	MUNICIPAL	DESTROYED	TCE	0.3	07/82	ND	08/96	
			NITRATE (NO3)	66.0	07/88	60.5	08/96	
			NITRATE (N)	14.9	07/88	13.7	08/96	
			CLO4	NA	NA	NA	NA	
121W-1	MUNICIPAL	ACTIVE	VOCS	ND	10/02	ND	05/17	VULNERABLE
			NITRATE (NO3)	27.0	04/17	23.0	02/17	(NITRATE AND CLO4)
			NITRATE (N)	6.1	04/17	5.2	05/17	
			CLO4	10.0	02/17	5.3	05/17	
			AS	1.6	02/04	ND	02/17	
			CR6	9.6	02/05	6.4	04/13	
122W-1	MUNICIPAL	DESTROYED	TCE	2.6	08/96	2.6	08/96	
			NITRATE (NO3)	90.0	05/86	60.7	08/96	
			NITRATE (N)	20.3	05/86	13.7	08/96	
			CLO4	NA	NA	NA	NA	
			AS	3.0	08/79	ND	05/85	
123W-1	MUNICIPAL	DESTROYED	TCE	26.8	04/81	ND	08/96	
			PCE	33.0	04/81	ND	08/96	
			NITRATE (NO3)	47.0	05/76	4.0	08/96	
			NITRATE (N)	10.6	05/76	0.9	08/96	
			CLO4	NA	NA	NA	NA	
124W-1	MUNICIPAL	DESTROYED	TCE	0.5	06/83	ND	08/89	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			NITRATE (NO3)	60.0	09/84	53.6	08/89	
			NITRATE (N)	13.6	09/84	12.1	08/89	
			CLO4	NA	NA	NA	NA	
			AS	ND	06/80	ND	08/89	
125W-1	MUNICIPAL	DESTROYED	VOCS	ND	01/80	ND	09/81	
			NITRATE (NO3)	30.0	05/76	21.0	05/79	
			NITRATE (N)	6.8	05/76	4.7	05/79	
			CLO4	NA	NA	NA	NA	
125W-2	MUNICIPAL	INACTIVE	VOCS	ND	03/83	ND	07/95	
			NITRATE (NO3)	50.0	08/87	40.6	03/95	
			NITRATE (N)	11.3	08/87	9.2	03/95	
			CLO4	NA	NA	NA	NA	
			AS	ND	05/88	ND	08/94	
126W-1	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	18.0	05/75	18.0	05/75	
			NITRATE (N)	4.1	05/75	4.1	05/75	
			CLO4	NA	NA	NA	NA	
126W-2	MUNICIPAL	INACTIVE	VOCS	ND	03/85	ND	08/00	
			NITRATE (NO3)	38.8	07/91	34.9	03/01	
			NITRATE (N)	8.8	07/91	7.9	03/01	
			CLO4	4.8	07/97	ND	01/98	
			AS	1.3	07/96	ND	08/00	
131W-1	MUNICIPAL	DESTROYED	TCE	56.0	10/93	56.0	10/93	
			PCE	227.0	04/80	52.0	10/93	
			CTC	2.7	10/93	2.7	10/93	
			1,1-DCE	40.0	10/93	40.0	10/93	
			1,1,1-TCA	5.3	10/93	5.3	10/93	
			NITRATE (NO3)	62.0	09/81	55.3	10/93	
			NITRATE (N)	14.0	09/81	12.5	10/93	
			CLO4	NA	NA	NA	NA	
133W-1	MUNICIPAL	DESTROYED	TCE	0.5	07/87	ND	08/89	
			CTC	0.5	08/89	0.5	08/89	
			NITRATE (NO3)	49.1	08/89	47.8	09/89	
			NITRATE (N)	11.1	08/89	10.8	09/89	
			CLO4	NA	NA	NA	NA	
			AS	ND	04/81	ND	08/89	
134W-1	MUNICIPAL	DESTROYED	TCE	56.0	10/93	56.0	10/93	
			PCE	0.1	12/80	ND	10/93	
			1,1-DCE	8.6	10/93	8.6	10/93	
			1,1,1-TCA	13.2	03/83	ND	10/93	
			NITRATE (NO3)	43.0	06/87	40.9	10/93	
			NITRATE (N)	9.7	06/87	9.2	10/93	
			CLO4	NA	NA	NA	NA	
			AS	ND	03/88	ND	07/89	
135W-1	MUNICIPAL	DESTROYED	TCE	0.8	03/85	0.3	05/85	
			NITRATE (NO3)	59.0	02/86	47.5	09/86	
			NITRATE (N)	13.3	02/86	10.7	09/86	
			CLO4	NA	NA	NA	NA	
136W-1	MUNICIPAL	DESTROYED	PCE	335.0	03/80	66.0	10/93	
			TCE	53.0	03/80	9.1	10/93	
			CTC	2.4	10/93	2.4	10/93	
			1,1-DCE	15.0	10/93	15.0	10/93	
			NITRATE (NO3)	48.0	01/77	37.6	10/93	
			NITRATE (N)	10.8	01/77	8.5	10/93	
			CLO4	NA	NA	NA	NA	
			AS	5.0	08/79	5.0	08/79	
139W-1	MUNICIPAL	DESTROYED	TCE	34.8	06/81	ND	01/97	
			PCE	5.0	02/88	ND	01/97	
			CTC	0.8	09/80	ND	07/96	
			NITRATE (NO3)	99.2	05/94	92.9	07/96	
			NITRATE (N)	22.4	05/94	21.0	07/96	
			CLO4	NA	NA	NA	NA	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			AS	3.6	07/95	2.6	07/96	
139W-2	MUNICIPAL	INACTIVE	TCE	18.7	09/80	ND	05/10	
			PCE	12.1	03/80	ND	05/10	
			CTC	0.8	09/80	ND	05/10	
			NITRATE (NO3)	103.5	10/08	58.5	05/10	
			NITRATE (N)	23.4	10/08	13.2	05/10	
			CLO4	34.0	10/08	15.0	05/10	
			AS	3.2	07/95	2.6	08/01	
139W-4	MUNICIPAL	STANDBY	TCE	4.7	04/97	ND	11/11	VULNERABLE
			NITRATE (NO3)	53.1	12/15	53.1	11/16	(NITRATE AND CLO4)
			NITRATE (N)	12.0	12/15	12.0	11/16	
			CLO4	12.0	12/03	11.0	11/16	
			AS	1.5	07/96	ND	12/14	
			CR6	4.1	11/00	3.5	12/14	
139W-5	MUNICIPAL	INACTIVE	TCE	19.0	08/01	19.0	08/01	
			PCE	10.8	05/99	0.7	08/01	
			CTC	1.0	08/01	1.0	08/01	
			1,2-DCA	1.0	02/00	ND	08/01	
			NITRATE (NO3)	36.5	06/01	36.5	10/09	
			NITRATE (N)	8.2	06/01	8.2	10/09	
			CLO4	12.0	09/97	12.0	10/09	
			AS	1.6	07/96	ND	08/01	
139W-6	MUNICIPAL	INACTIVE	TCE	51.2	02/01	ND	05/10	
			PCE	2.8	02/01	ND	05/10	
			CTC	1.9	02/01	ND	05/10	
			1,2-DCA	1.6	02/01	ND	05/10	
			NITRATE (NO3)	42.8	10/08	36.5	05/10	
			NITRATE (N)	9.7	10/08	8.2	05/10	
			CLO4	35.4	11/00	2.0	05/10	
			AS	2.7	05/96	ND	05/99	
140W-1	MUNICIPAL	DESTROYED	TCE	1.0	01/80	1.0	01/80	
			NITRATE (NO3)	86.9	04/73	68.0	05/75	
			NITRATE (N)	19.6	04/73	15.4	05/75	
			CLO4	NA	NA	NA	NA	
			AS	ND	01/02	ND	01/02	
140W-3	MUNICIPAL	STANDBY	TCE	13.6	03/80	ND	12/11	VULNERABLE
			PCE	1.0	06/88	ND	12/11	(VOCS, NITRATE, AND CLO4)
			CTC	1.0	09/81	ND	12/11	
			1,1-DCE	1.1	10/09	ND	12/11	
			NITRATE (NO3)	78.0	03/85	48.7	11/16	
			NITRATE (N)	17.6	03/85	11.0	11/16	
			CLO4	16.0	12/05	4.8	11/16	
			AS	4.0	08/76	2.5	12/14	
			CR6	12.7	06/01	8.7	12/14	
140W-4	MUNICIPAL	INACTIVE	TCE	7.0	01/96	1.5	11/06	
			NITRATE (NO3)	36.4	10/03	36.3	12/04	
			NITRATE (N)	8.2	10/03	8.2	12/04	
			CLO4	12.6	10/03	11.6	12/04	
			AS	2.4	07/95	ND	12/04	
140W-5	MUNICIPAL	ACTIVE	TCE	21.0	02/91	7.8	05/17	VULNERABLE
			PCE	1.0	06/07	ND	05/17	(VOCS, NITRATE, CLO4)
			NITRATE (NO3)	36.0	02/14	19.0	05/17	
			NITRATE (N)	8.1	02/14	4.3	05/17	
			CLO4	15.0	10/12	8.1	05/17	
			AS	1.9	07/96	ND	11/15	
			CR6	9.8	02/05	6.8	04/13	
142W-1	MUNICIPAL	DESTROYED	VOCS	ND	02/80	ND	07/82	
			NITRATE (NO3)	74.0	06/81	74.0	06/81	
			NITRATE (N)	16.7	06/81	16.7	06/81	
			CLO4	NA	NA	NA	NA	
142W-2	MUNICIPAL	ACTIVE	VOCS	ND	03/04	ND	05/17	VULNERABLE
			NITRATE (NO3)	15.0	03/14	15.1	05/17	(CLO4)

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			NITRATE (N)	3.4	03/14	3.4	05/17	
			CLO4	4.1	01/17	ND	05/17	
			AS	1.6	07/04	ND	07/15	
			CR6	12.0	02/05	6.8	04/13	
147W-1	MUNICIPAL	DESTROYED	TCE	23.0	03/85	23.0	03/85	
			PCE	1.2	03/85	1.2	03/85	
			NITRATE (NO3)	100.0	03/85	100.0	03/85	
			NITRATE (N)	22.6	03/85	22.6	03/85	
			CLO4	NA	NA	NA	NA	
147W-2	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	54.0	09/74	54.0	09/74	
			NITRATE (N)	12.2	09/74	12.2	09/74	
			CLO4	NA	NA	NA	NA	
147W-3	MUNICIPAL	ACTIVE	TCE	4.1	01/92	2.7	11/16	VULNERABLE
			PCE	4.4	04/89	1.9	11/16	(VOCS AND CLO4)
			1,1-DCE	8.9	01/89	3.6	11/16	
			1,1-DCA	4.8	05/89	ND	11/16	
			NITRATE (NO3)	19.8	09/88	8.9	11/16	
			NITRATE (N)	4.5	09/88	2.0	11/16	
			CLO4	3.0	04/10	ND	11/16	
			AS	1.8	07/04	ND	08/14	
			CR6	13.0	04/05	11.0	11/16	
148W-1	MUNICIPAL	DESTROYED	TCE	0.8	06/80	ND	04/97	
			NITRATE (NO3)	47.0	02/76	34.8	04/97	
			NITRATE (N)	10.6	02/76	7.9	04/97	
			CLO4	NA	NA	NA	NA	
			AS	26.0	06/78	26.0	06/78	
149W-1	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
150W-1	MUNICIPAL	DESTROYED	TCE	6.0	09/81	ND	08/93	
			NITRATE (NO3)	53.0	03/86	13.4	08/94	
			NITRATE (N)	12.0	03/86	3.0	08/94	
			CLO4	NA	NA	NA	NA	
			AS	ND	07/89	ND	08/94	
151W-1	MUNICIPAL	DESTROYED	VOCS	ND	01/80	ND	03/98	
			NITRATE (NO3)	116.0	03/98	116.0	03/98	
			NITRATE (N)	26.2	03/98	26.2	03/98	
			CLO4	21.6	03/98	21.6	03/98	
			AS	7.0	08/79	7.0	08/79	
151W-2	MUNICIPAL	ACTIVE	TCE	3.6	05/17	3.6	05/17	VULNERABLE
			NITRATE (NO3)	9.7	05/17	9.7	05/17	(CLO4)
			NITRATE (N)	2.2	05/17	2.2	05/17	
			CLO4	5.5	01/17	ND	05/17	
			AS	1.3	12/06	ND	02/16	
			CR6	12.0	04/05	8.1	04/13	
152W-1	MUNICIPAL	DESTROYED	TCE	12.8	11/82	8.0	03/85	
			PCE	0.8	11/82	0.3	03/85	
			NITRATE (NO3)	43.4	05/86	43.4	05/86	
			NITRATE (N)	9.8	05/86	9.8	05/86	
			CLO4	NA	NA	NA	NA	
153W-1	MUNICIPAL	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
154W-1	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	81.0	05/79	81.0	05/79	
			NITRATE (N)	18.3	05/79	18.3	05/79	
			CLO4	NA	NA	NA	NA	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS
AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
155W-1	MUNICIPAL	INACTIVE	PCE	190.0	11/80	90.0	11/98	
			TCE	50.0	07/81	24.0	11/98	
			CTC	19.0	02/82	ND	11/98	
			1,1-DCE	16.0	03/85	13.0	11/98	
			NITRATE (NO3)	60.0	11/80	49.8	11/98	
			NITRATE (N)	13.6	11/80	11.2	11/98	
			CLO4	5.4	11/98	5.4	11/98	
			AS	4.0	08/76	ND	03/85	
155W-2	MUNICIPAL	DESTROYED	PCE	190.0	09/93	76.0	11/98	
			TCE	39.0	04/80	22.0	11/98	
			1,1-DCE	21.0	09/93	11.0	11/98	
			1,1-DCA	3.0	09/93	1.4	11/98	
			C-1,2-DCE	16.0	03/85	1.8	11/98	
			NITRATE (NO3)	49.0	11/98	49.0	11/98	
			NITRATE (N)	11.1	11/98	11.1	11/98	
			CLO4	4.3	11/98	ND	11/98	
157W-1	MUNICIPAL	DESTROYED	TCE	12.2	02/80	ND	03/85	
			NITRATE (NO3)	58.0	02/86	58.0	02/86	
			NITRATE (N)	13.1	02/86	13.1	02/86	
			CLO4	NA	NA	NA	NA	
201W-1	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
201W-2	MUNICIPAL	DESTROYED	TCE	6.8	04/89	1.7	08/06	
			PCE	3.9	09/88	1.4	08/06	
			1,1-DCE	3.2	08/89	ND	08/06	
			C-1,2-DCE	6.1	02/91	4.3	08/06	
			NITRATE (NO3)	6.8	08/94	6.3	08/06	
			NITRATE (N)	1.5	08/94	1.4	08/06	
			CLO4	ND	08/97	ND	09/03	
			AS	8.5	08/97	3.0	08/06	
201W-3	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
201W-4	MUNICIPAL	STANDBY	TCE	6.4	09/89	ND	06/14	
			PCE	4.1	09/88	ND	06/14	
			1,1-DCE	2.0	07/88	ND	06/14	
			C-1,2-DCE	5.2	05/97	ND	06/14	
			NITRATE (NO3)	21.0	11/14	21.0	11/14	
			NITRATE (N)	4.7	11/14	4.7	11/14	
			CLO4	ND	06/97	ND	07/14	
			AS	4.0	08/97	ND	06/14	
			CR6	1.9	05/01	ND	11/14	
201W-5	MUNICIPAL	DESTROYED	TCE	6.4	09/89	ND	03/08	
			PCE	3.8	09/89	ND	03/08	
			1,1-DCE	2.9	09/88	ND	03/08	
			C-1,2-DCE	4.9	08/88	ND	03/08	
			NITRATE (NO3)	12.0	08/94	12.0	08/07	
			NITRATE (N)	2.7	08/94	2.7	08/07	
			CLO4	ND	06/97	ND	06/03	
			AS	8.9	09/89	4.0	09/05	
201W-6	MUNICIPAL	DESTROYED	TCE	3.9	05/88	ND	09/05	
			PCE	3.3	05/88	ND	09/05	
			1,1-DCE	3.2	09/88	ND	09/05	
			C-1,2-DCE	8.7	05/88	ND	09/05	
			NITRATE (NO3)	20.0	06/85	7.7	05/05	
			NITRATE (N)	4.5	06/85	1.7	05/05	
			CLO4	ND	06/97	ND	06/03	
			AS	9.2	08/95	2.0	09/04	
201W-7	MUNICIPAL	ACTIVE	PCE	0.6	08/08	ND	05/17	
			C-1,2-DCE	0.9	08/08	ND	05/17	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			NITRATE (NO3)	14.6	08/16	14.6	08/16	
			NITRATE (N)	3.3	08/16	3.3	08/16	
			CLO4	ND	08/08	ND	08/16	
			AS	2.0	08/08	ND	08/14	
			CR6	0.8	04/13	0.8	04/13	
201W-8	MUNICIPAL	ACTIVE	TCE	0.5	05/07	ND	05/17	
			C-1,2-DCE	1.1	05/07	ND	05/17	
			NITRATE (NO3)	15.9	08/16	15.9	08/16	
			NITRATE (N)	3.6	08/16	3.6	08/16	
			CLO4	2.1	07/06	ND	08/16	
			AS	2.7	08/09	ND	08/15	
			CR6	1.1	05/07	0.9	04/13	
201W-9	MUNICIPAL	ACTIVE	PCE	0.9	04/12	ND	05/17	
			NITRATE (NO3)	19.0	02/15	14.2	03/17	
			NITRATE (N)	4.3	02/15	3.2	03/17	
			CLO4	ND	03/08	ND	08/16	
			AS	1.5	05/07	ND	02/17	
			CR6	0.6	04/13	0.6	04/13	
201W-10	MUNICIPAL	ACTIVE	TCE	1.4	09/07	ND	05/17	VULNERABLE
			PCE	1.3	09/07	ND	05/17	(VOCS)
			C-1,2-DCE	3.0	09/07	ND	05/17	
			NITRATE (NO3)	8.0	05/17	8.0	05/17	
			NITRATE (N)	1.8	05/17	1.8	05/17	
			CLO4	ND	09/07	ND	05/17	
			AS	2.1	09/07	ND	05/15	
			CR6	0.3	09/07	0.3	09/07	
202W-1	MUNICIPAL	DESTROYED	TCE	4.3	09/81	ND	01/89	
			PCE	15.0	10/88	12.1	01/89	
			NITRATE (NO3)	24.0	07/87	23.0	10/88	
			NITRATE (N)	5.4	07/87	5.2	10/88	
			CLO4	NA	NA	NA	NA	
			AS	ND	09/88	ND	09/88	
SUNNY SLOPE WATER COMPANY								
08	MUNICIPAL	ACTIVE	VOCS	ND	01/87	ND	05/17	VULNERABLE
			NITRATE (NO3)	27.0	08/16	15.5	05/17	(NITRATE)
			NITRATE (N)	6.1	08/16	3.5	05/17	
			CLO4	ND	07/97	ND	09/16	
			AS	ND	09/89	ND	09/14	
			CR6	7.1	12/00	3.4	03/17	
09	MUNICIPAL	ACTIVE	VOCS	ND	01/85	ND	05/17	VULNERABLE
			NITRATE (NO3)	36.0	06/03	16.4	05/17	(NITRATE)
			NITRATE (N)	8.1	06/03	3.7	05/17	
			CLO4	ND	07/97	ND	09/16	
			AS	3.6	08/96	ND	09/15	
			CR6	7.0	03/17	7.0	03/17	
10	MUNICIPAL	INACTIVE	VOCS	ND	01/85	ND	08/96	
			NITRATE (NO3)	63.6	12/94	50.9	08/96	
			NITRATE (N)	14.4	12/94	11.5	08/96	
			CLO4	NA	NA	NA	NA	
			AS	0.7	08/96	0.7	08/96	
13	MUNICIPAL	ACTIVE	VOCS	ND	08/96	ND	05/17	
			NITRATE (NO3)	7.2	09/09	1.8	05/17	
			NITRATE (N)	1.6	09/09	0.4	05/17	
			CLO4	ND	07/97	ND	06/16	
			AS	3.2	06/15	3.2	06/15	
			CR6	13.0	03/17	12.0	05/17	
TAYLOR HERB GARDEN								
NA	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	

APPENDIX C
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AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
TEXACO INC.								
14	INDUSTRIAL	DESTROYED	PCE	40.0	07/01	2.8	09/03	
			TCE	5.0	05/85	ND	09/03	
			1,2-DCA	0.6	01/96	ND	09/03	
			NITRATE (NO3)	33.0	07/01	6.4	09/03	
			NITRATE (N)	7.5	07/01	1.4	09/03	
			CLO4	ND	09/97	ND	09/97	
THOMPSON, EARL W.								
01	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
TOMOVICH (NICK) & SON								
NA	DOMESTIC	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
TYLER NURSERY								
NA	IRRIGATION	INACTIVE	TCE	12.9	12/99	1.2	09/04	
			PCE	44.6	12/99	1.2	09/04	
			1,1-DCE	0.6	09/02	ND	09/04	
			1,1-DCA	0.9	09/02	ND	09/04	
			C-1,2-DCE	8.7	09/02	ND	09/04	
			NITRATE (NO3)	31.0	09/02	ND	09/04	
			NITRATE (N)	7.0	09/02	ND	09/04	
			CLO4	NA	NA	NA	NA	
UNITED CONCRETE PIPE CORPORATION								
NA	INDUSTRIAL	DESTROYED	VOCS	ND	08/89	ND	10/08	
			NITRATE (NO3)	4.3	08/89	4.3	08/89	
			NITRATE (N)	1.0	08/89	1.0	08/89	
			CLO4	NA	NA	NA	NA	
UNITED ROCK PRODUCTS CORPORATION								
IRW-1	INDUSTRIAL	ACTIVE	VOCS	ND	08/89	ND	10/09	
			NITRATE (NO3)	6.4	07/96	2.5	10/09	
			NITRATE (N)	1.4	07/96	0.6	10/09	
			CLO4	ND	02/98	ND	02/98	
			AS	ND	04/98	ND	04/98	
IRW-2	INDUSTRIAL	ACTIVE	VOCS	ND	07/96	ND	11/05	
			NITRATE (NO3)	4.5	10/04	2.6	11/05	
			NITRATE (N)	1.0	10/04	0.6	11/05	
			CLO4	ND	02/98	ND	02/98	
SIERRA	INDUSTRIAL	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
VALENCIA HEIGHTS WATER COMPANY								
01	MUNICIPAL	INACTIVE	VOCS	ND	06/89	ND	07/09	
			NITRATE (NO3)	46.5	04/99	32.6	07/07	
			NITRATE (N)	10.5	04/99	7.4	07/07	
			CLO4	8.5	08/00	ND	07/09	
			AS	0.7	08/96	ND	07/07	
02	MUNICIPAL	INACTIVE	TCE	0.2	01/80	ND	07/08	
			NITRATE (NO3)	53.7	07/97	27.0	07/06	

APPENDIX C
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WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			NITRATE (N)	12.1	07/97	6.1	07/06	
			CLO4	8.0	10/98	4.2	07/08	
			AS	0.9	08/96	ND	07/06	
03A	MUNICIPAL	INACTIVE	VOCS	ND	03/85	ND	03/92	
			NITRATE (NO3)	34.8	09/89	12.1	08/92	
			NITRATE (N)	7.9	09/89	2.7	08/92	
			CLO4	NA	NA	NA	NA	
04	MUNICIPAL	INACTIVE	PCE	1.0	09/99	ND	09/01	
			NITRATE (NO3)	90.0	11/97	78.0	03/02	
			NITRATE (N)	20.3	11/97	17.6	03/02	
			CLO4	32.6	11/00	28.0	03/02	
			AS	2.2	07/00	ND	08/00	
			CR6	5.0	11/00	5.0	11/00	
05	MUNICIPAL	ACTIVE	VOCS	ND	06/90	ND	04/17	VULNERABLE
			NITRATE (NO3)	42.0	08/12	27.0	01/17	(NITRATE AND CLO4)
			NITRATE (N)	9.5	08/12	6.1	01/17	
			CLO4	7.2	11/00	ND	04/17	
			AS	0.9	08/96	ND	01/17	
			CR6	1.7	08/13	1.3	01/17	
06	MUNICIPAL	ACTIVE	VOCS	ND	12/02	ND	07/16	VULNERABLE
			NITRATE (NO3)	49.3	06/04	48.7	05/17	(NITRATE AND CLO4)
			NITRATE (N)	11.1	06/04	11.0	05/17	
			CLO4	8.9	01/07	7.2	05/17	
			AS	ND	12/02	ND	10/14	
			CR6	8.0	12/02	2.2	08/13	
07	MUNICIPAL	ACTIVE	VOCS	ND	05/08	ND	07/16	VULNERABLE
			NITRATE (NO3)	33.2	08/16	33.2	05/17	(NITRATE AND CLO4)
			NITRATE (N)	7.5	08/16	7.5	05/17	
			CLO4	5.4	10/12	ND	05/17	
			AS	ND	12/09	ND	10/15	
			CR6	1.2	08/13	1.2	08/13	
VALLEY COUNTY WATER DISTRICT								
ARROW	MUNICIPAL	INACTIVE	TCE	700.0	07/82	600.0	12/96	
			PCE	980.0	12/96	980.0	12/96	
			1,1-DCE	64.0	12/96	64.0	12/96	
			C-1,2-DCE	59.0	12/96	59.0	12/96	
			CTC	14.5	09/92	8.0	12/96	
			1,2-DCA	9.0	02/92	7.3	12/96	
			1,1,1-TCA	45.0	12/96	45.0	12/96	
			1,1-DCA	2.9	02/95	2.7	12/96	
			NITRATE (NO3)	26.4	08/96	26.4	08/96	
			NITRATE (N)	6.0	08/96	6.0	08/96	
			CLO4	NA	NA	NA	NA	
			AS	1.5	08/96	1.5	08/96	
B DALTON	MUNICIPAL	INACTIVE	TCE	137.0	04/85	ND	05/11	
			PCE	8.0	04/85	ND	05/11	
			1,1-DCA	0.9	05/96	ND	05/11	
			C-1,2-DCE	2.0	11/95	ND	05/11	
			CTC	9.9	04/85	ND	05/11	
			1,2-DCA	11.0	12/98	ND	05/11	
			NITRATE (NO3)	72.0	10/09	72.0	05/11	
			NITRATE (N)	16.3	10/09	16.3	05/11	
			CLO4	99.1	12/98	11.0	05/11	
			AS	5.0	11/95	2.7	09/07	
E NIXON (E JOAN)	MUNICIPAL	ACTIVE	TCE	7.0	11/08	1.4	05/17	VULNERABLE
			PCE	11.0	10/04	ND	05/17	(VOCS) (1)
			1,1-DCE	1.3	10/04	ND	05/17	
			C-1,2-DCE	1.7	10/04	ND	05/17	
			NITRATE (NO3)	13.6	02/05	4.0	05/17	
			NITRATE (N)	3.1	02/05	0.9	05/17	
			CLO4	ND	05/97	ND	05/17	
			AS	3.0	08/06	2.0	06/16	
			CR6	1.0	05/01	ND	06/16	

APPENDIX C
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AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
E MAINE	MUNICIPAL	ACTIVE	TCE	36.0	10/04	ND	05/17	VULNERABLE
			PCE	110.0	10/04	1.5	05/17	(VOCs AND CLO4) (1)
			1,1-DCE	10.1	02/91	ND	05/17	
			1,2-DCA	1.4	10/04	ND	05/17	
			1,1,1-TCA	9.1	02/91	ND	05/17	
			C-1,2-DCE	13.0	06/03	ND	05/17	
			NITRATE (NO3)	21.0	02/11	9.7	05/17	
			NITRATE (N)	4.7	02/11	2.2	05/17	
			CLO4	7.8	10/04	ND	05/17	
			AS	4.4	08/89	2.0	03/15	
			CR6	1.0	05/01	0.4	08/13	
LANTE	MUNICIPAL	ACTIVE	TCE	1315.0	04/98	ND	05/17	VULNERABLE
(SA1-3)			PCE	1200.0	11/96	1.1	05/17	(VOCS, NITRATE, AND CLO4) (1,4)
			1,1-DCE	110.0	11/96	ND	05/17	
			C-1,2-DCE	90.0	11/96	ND	05/17	
			T-1,2-DCE	110.0	04/85	ND	05/17	
			1,1-DCA	18.0	08/04	ND	05/17	
			1,2-DCA	12.5	01/92	ND	05/17	
			CTC	17.6	01/92	ND	05/17	
			1,1,1-TCA	170.0	04/85	ND	05/17	
			NITRATE (NO3)	45.0	05/15	41.6	05/17	
			NITRATE (N)	10.2	05/15	9.4	05/17	
			CLO4	94.0	04/98	7.5	05/17	
			AS	2.4	01/05	ND	04/17	
			CR6	18.0	01/05	2.3	08/13	
MORADA	MUNICIPAL	INACTIVE	TCE	770.0	03/80	ND	05/11	
			PCE	100.0	02/85	2.2	05/11	
			CTC	29.0	04/84	ND	05/11	
			1,1-DCE	2.5	04/88	ND	05/11	
			1,1-DCA	8.5	02/85	ND	05/11	
			1,2-DCA	0.7	04/88	ND	05/11	
			C-1,2-DCE	8.1	08/95	ND	05/11	
			NITRATE (NO3)	110.8	11/90	85.5	05/11	
			NITRATE (N)	25.0	11/90	19.3	05/11	
			CLO4	21.0	02/04	11.0	05/11	
			AS	3.6	08/95	3.6	08/95	
PADDY LN	MUNICIPAL	INACTIVE	TCE	166.0	04/94	29.0	05/11	
			PCE	42.0	11/93	3.5	05/11	
			CTC	15.0	12/87	1.0	05/11	
			1,1-DCE	17.2	11/93	1.6	05/11	
			C-1,2-DCE	23.8	11/93	1.9	05/11	
			1,2-DCA	6.6	02/04	2.6	05/11	
			NITRATE (NO3)	63.0	05/10	39.6	05/11	
			NITRATE (N)	14.2	05/10	8.9	05/11	
			CLO4	154.0	02/98	38.0	05/11	
			AS	ND	06/80	ND	11/94	
PALM	MUNICIPAL	INACTIVE	CTC	48.0	07/82	0.8	02/04	
			TCE	56.0	02/04	56.0	02/04	
			PCE	51.0	02/04	51.0	02/04	
			C-1,2-DCE	7.1	02/04	7.1	02/04	
			1,1,1-TCA	1.8	02/04	1.8	02/04	
			NITRATE (NO3)	11.0	12/94	10.0	02/04	
			NITRATE (N)	2.5	12/94	2.3	02/04	
			CLO4	5.6	02/04	5.6	02/04	
			AS	ND	10/87	ND	11/92	
W NIXON	MUNICIPAL	ACTIVE	TCE	4.0	11/04	0.6	05/17	VULNERABLE
(W JOAN)			PCE	8.0	11/04	1.3	05/17	(VOCS) (1)
			NITRATE (NO3)	8.5	08/13	4.9	05/17	
			NITRATE (N)	1.9	08/13	1.1	05/17	
			CLO4	ND	05/97	ND	05/17	
			AS	3.1	08/95	ND	08/16	
			CR6	1.0	05/01	ND	08/16	
W MAINE	MUNICIPAL	ACTIVE	TCE	47.3	02/91	1.2	05/17	VULNERABLE
			PCE	70.0	02/03	3.0	05/17	(VOCS AND CLO4) (1)
			1,1-DCE	14.2	02/91	ND	05/17	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			1,2-DCA	0.8	08/04	ND	05/17	
			1,1,1-TCA	10.6	02/91	ND	05/17	
			C-1,2-DCE	9.0	02/03	ND	05/17	
			NITRATE (NO3)	20.8	05/90	8.0	05/17	
			NITRATE (N)	4.7	05/90	1.8	05/17	
			CLO4	6.3	10/04	ND	05/17	
			AS	2.6	07/96	2.1	03/15	
			CR6	1.0	05/01	0.4	08/13	
SA1-1	MUNICIPAL	ACTIVE	TCE	34.0	07/05	18.0	05/17	VULNERABLE
			PCE	47.0	04/07	40.0	05/17	(VOCS, NITRATE, AND CLO4) (1,4)
			1,1-DCA	11.0	07/05	ND	05/17	
			1,1-DCE	110.0	07/05	5.6	05/17	
			1,2-DCA	1.0	07/05	ND	05/17	
			C-1,2-DCE	4.1	07/05	0.9	05/17	
			1,1,1-TCA	6.0	05/06	ND	05/17	
			FREON 11	5.8	02/12	ND	05/17	
			NITRATE (NO3)	87.0	01/05	79.7	05/17	
			NITRATE (N)	19.7	01/05	18.0	05/17	
			CLO4	17.0	01/05	6.0	05/17	
			AS	1.3	06/03	ND	02/15	
			CR6	2.4	03/06	1.7	11/14	
SA1-2	MUNICIPAL	STANDBY	TCE	25.0	04/06	2.0	12/09	VULNERABLE
			PCE	37.0	05/06	4.8	12/09	(VOCS, NITRATE, AND CLO4) (1,4)
			1,1-DCA	8.7	07/05	ND	12/09	
			1,1-DCE	62.0	04/06	1.2	12/09	
			1,2-DCA	1.0	07/05	ND	12/09	
			C-1,2-DCE	6.2	07/05	ND	12/09	
			1,1,1-TCA	2.2	05/06	ND	12/09	
			NITRATE (NO3)	72.0	03/05	72.0	05/12	
			NITRATE (N)	16.3	03/05	16.3	05/12	
			CLO4	15.0	03/05	11.0	12/09	
			AS	2.0	03/06	ND	02/09	
			CR6	2.6	03/06	2.0	09/07	
VALLEY VIEW MUTUAL WATER COMPANY								
01	MUNICIPAL	ACTIVE	VOCS	ND	06/89	ND	09/10	
			NITRATE (NO3)	6.4	09/09	5.7	09/10	
			NITRATE (N)	1.4	09/09	1.3	09/10	
			CLO4	ND	08/97	ND	09/10	
			AS	3.0	09/07	ND	09/10	
			CR6	1.0	11/00	1.0	05/01	
02	MUNICIPAL	ACTIVE	PCE	2.1	09/16	ND	03/17	
			TCE	0.7	09/16	ND	03/17	
			NITRATE (NO3)	7.9	09/15	6.6	09/16	
			NITRATE (N)	1.8	09/15	1.5	09/16	
			CLO4	ND	08/97	ND	09/16	
			AS	2.0	09/96	2.0	09/16	
			CR6	2.5	05/01	ND	09/16	
03	MUNICIPAL	INACTIVE	TCE	1.3	01/80	ND	03/98	
			NITRATE (NO3)	26.9	03/98	26.9	03/98	
			NITRATE (N)	6.1	03/98	6.1	03/98	
			CLO4	18.6	03/98	18.6	03/98	
VIA TRUST								
01	NON-POTABLE	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
VULCAN MATERIALS COMPANY (CALMAT COMPANY)								
DUR E	INDUSTRIAL	DESTROYED	TCE	32.0	11/04	ND	10/10	VULNERABLE
			PCE	27.0	11/04	0.9	10/10	(VOCS)
			1,1-DCE	5.3	11/04	ND	10/10	
			C-1,2-DCE	2.8	11/04	ND	10/10	
			1,1,1-TCA	0.7	11/04	ND	10/10	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS
AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			NITRATE (NO3)	16.2	10/04	7.2	10/10	
			NITRATE (N)	3.7	10/04	1.6	10/10	
			CLO4	ND	04/98	ND	10/08	
			AS	ND	04/98	ND	04/98	
DUR W	INDUSTRIAL	DESTROYED	PCE	0.8	02/07	ND	10/09	
			NITRATE (NO3)	16.0	07/01	14.0	10/09	
			NITRATE (N)	3.6	07/01	3.2	10/09	
			CLO4	4.0	05/98	4.0	05/98	
			AS	2.9	05/98	2.9	05/98	
REL 1	INDUSTRIAL	ACTIVE	VOCS	ND	05/94	ND	10/10	
			NITRATE (NO3)	6.5	09/02	ND	10/10	
			NITRATE (N)	1.5	09/02	ND	10/10	
			CLO4	ND	05/98	ND	05/98	
			AS	4.8	05/94	3.5	07/94	
WADE, RICHARD I.								
NA	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
WEST COVINA VENTURE LIMITED								
NA	NA	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
WHITTIER, CITY OF								
09	MUNICIPAL	DESTROYED	TCE	1.4	04/85	ND	08/89	
			PCE	1.9	10/88	0.6	08/89	
			NITRATE (NO3)	8.8	08/89	8.8	08/89	
			NITRATE (N)	2.0	08/89	2.0	08/89	
			CLO4	NA	NA	NA	NA	
			AS	ND	07/74	ND	08/89	
10	MUNICIPAL	DESTROYED	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	6.6	01/74	6.6	01/74	
			NITRATE (N)	1.5	01/74	1.5	01/74	
			CLO4	NA	NA	NA	NA	
11	MUNICIPAL	DESTROYED	VOCS	ND	06/87	ND	11/90	
			NITRATE (NO3)	10.1	01/90	10.1	01/90	
			NITRATE (N)	2.3	01/90	2.3	01/90	
			CLO4	NA	NA	NA	NA	
			AS	ND	04/80	ND	08/89	
12	MUNICIPAL	INACTIVE	TCE	1.5	07/88	1.5	07/88	
			PCE	0.7	07/88	0.7	07/88	
			NITRATE (NO3)	10.0	12/84	8.5	12/85	
			NITRATE (N)	2.3	12/84	1.9	12/85	
			CLO4	NA	NA	NA	NA	
13	MUNICIPAL	ACTIVE	PCE	4.9	11/87	ND	05/17	VULNERABLE
			TCE	1.1	06/87	ND	03/17	(VOCS) (3)
			MTBE	6.4	03/02	ND	03/17	
			NITRATE (NO3)	17.0	03/11	16.4	03/17	
			NITRATE (N)	3.8	03/11	3.7	03/17	
			CLO4	ND	08/97	ND	11/16	
			AS	4.1	03/02	ND	03/17	
			CR6	1.0	05/01	ND	03/17	
15	MUNICIPAL	ACTIVE	PCE	9.4	03/03	0.7	05/17	VULNERABLE
			TCE	0.7	09/04	ND	03/17	(VOCS) (3)
			C-1,2-DCE	2.5	12/93	ND	03/17	
			NITRATE (NO3)	13.0	08/89	8.4	02/17	
			NITRATE (N)	2.9	08/89	1.9	02/17	
			CLO4	ND	08/97	ND	09/16	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS
AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			AS	3.5	03/02	ND	09/16	
			CR6	2.2	10/00	ND	09/16	
16	MUNICIPAL	ACTIVE	PCE	3.4	12/02	2.1	05/17	VULNERABLE
			TCE	1.4	01/97	ND	03/17	(VOCS) (3)
			C-1,2-DCE	2.5	10/96	ND	03/17	
			NITRATE (NO3)	13.3	03/16	13.7	03/17	
			NITRATE (N)	3.0	03/16	3.1	03/17	
			CLO4	ND	08/97	ND	09/16	
			AS	5.8	03/02	ND	03/17	
			CR6	2.5	05/01	ND	03/17	
17	MUNICIPAL	ACTIVE	PCE	12.0	12/02	6.1	05/17	
			TCE	2.2	05/92	0.6	03/17	
			C-1,2-DCE	1.2	04/95	ND	03/17	
			NITRATE (NO3)	13.0	03/03	12.4	03/17	
			NITRATE (N)	2.9	03/03	2.8	03/17	
			CLO4	ND	08/97	ND	09/16	
			AS	3.4	03/02	ND	03/16	
			CR6	1.6	10/00	ND	03/16	
18	MUNICIPAL	ACTIVE	PCE	9.2	09/08	2.3	05/17	VULNERABLE
			TCE	2.4	11/95	ND	03/17	(VOCS)
			C-1,2-DCE	0.7	10/96	ND	03/17	
			NITRATE (NO3)	15.1	03/17	15.1	03/17	
			NITRATE (N)	3.4	03/17	3.4	03/17	
			CLO4	ND	08/97	ND	09/16	
			AS	4.1	03/02	ND	03/15	
			CR6	1.0	10/00	0.8	09/13	
WILMOTT, ERMA M.								
01	DOMESTIC	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
WOODLAND, RICHARD								
01	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
02	NON-POTABLE	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
WORKMAN MILL INVESTMENT COMPANY (ROSE HILLS MEMORIAL PARK)								
04	IRRIGATION	INACTIVE	PCE	5.3	08/87	ND	10/09	VULNERABLE
			TCE	11.0	04/85	ND	10/09	(VOCS AND NITRATE)
			1,1-DCE	14.0	04/85	ND	10/09	
			1,1,1-TCA	3.3	04/85	ND	10/09	
			NITRATE (NO3)	52.8	02/07	43.0	10/10	
			NITRATE (N)	11.9	02/07	9.7	10/10	
			CLO4	ND	06/98	ND	06/98	
01	IRRIGATION	INACTIVE	VOCS	NA	NA	NA	NA	
			NITRATE (NO3)	NA	NA	NA	NA	
			NITRATE (N)	NA	NA	NA	NA	
			CLO4	NA	NA	NA	NA	
02	IRRIGATION	INACTIVE	PCE	8.6	04/85	ND	10/04	
			TCE	11.0	04/85	ND	10/04	
			NITRATE (NO3)	91.4	10/04	91.4	10/04	
			NITRATE (N)	20.6	10/04	20.6	10/04	
			CLO4	ND	06/98	ND	06/98	
01	IRRIGATION	INACTIVE	TCE	6.1	04/87	ND	10/10	
			PCE	6.4	11/87	1.1	10/10	

APPENDIX C
HIGHLIGHTS OF VOLATILE ORGANIC COMPOUNDS, NITRATE, AND PERCHLORATE CONCENTRATIONS AND WELLS VULNERABLE TO CONTAMINATION (AS OF MAY 31, 2017)

WELL NAME	USAGE	STATUS	CONCENTRATION (NITRATE IN MG/L, OTHERS IN UG/L)					REMARKS
			CONTAMINANT OF CONCERN	HISTORIC HIGH		MOST RECENT		
				VALUE	DATE	VALUE	DATE	
			1,2-DCA	0.8	01/96	ND	10/10	
			1,1-DCE	1.0	04/87	ND	10/10	
			C-1,2-DCE	2.6	05/85	ND	10/10	
			NITRATE (NO3)	45.2	02/98	31.0	10/10	
			NITRATE (N)	10.2	02/98	7.0	10/10	
			CLO4	ND	02/98	ND	02/98	
			AS	3.0	06/95	2.1	06/96	
03	IRRIGATION	INACTIVE	TCE	21.0	05/85	ND	09/05	VULNERABLE
			PCE	7.4	05/85	ND	09/05	(VOCS AND NITRATE)
			1,1-DCE	2.7	05/85	ND	09/05	
			C-1,2-DCE	28.0	05/85	ND	09/05	
			1,1-DCA	1.1	05/85	ND	09/05	
			1,1,1-TCA	7.5	05/85	ND	09/05	
			NITRATE (NO3)	46.4	08/00	25.7	09/05	
			NITRATE (N)	10.5	08/00	5.8	09/05	
			CLO4	ND	02/98	ND	02/98	

NOTES

CONTAMINANT	MAXIMUM CONTAMINANT LEVEL	REPORTING LIMIT
1,1-Dichloroethane (1,1-DCA)	5 micrograms per liter (ug/L)	0.5 ug/L
1,1-Dichloroethylene (1,1-DCE)	6 ug/L	0.5 ug/L
1,1,1-Trichloroethane (1,1,1-TCA)	200 ug/L	0.5 ug/L
1,1,2,2-Tetrachloroethane (1,1,2,2-PCA)	1 ug/L	0.5 ug/L
1,2-Dichloroethane (1,2-DCA)	0.5 ug/L	0.5 ug/L
Arsenic (AS)	10 ug/L	2.0 ug/L
Perchlorate (CLO4)	6 ug/L	4.0 ug/L
Carbon Tetrachloride (CTC)	0.5 ug/L	0.5 ug/L
Cis-1,2-Dichloroethylene (c-1,2-DCE)	6 ug/L	0.5 ug/L
Hexavalent Chromium (CR6)	10 ug/L	1.0 ug/L
Trichlorofluoromethane (Freon 11)	150 ug/L	5.0 ug/L
Trichlorotrifluoroethane (Freon 113)	1200 ug/L	10.0 ug/L
Methyl Tert-Butyl Ether (MTBE)	13 ug/L	3.0 ug/L
Nitrate as NO3 (NITRATE [NO3])	45 milligrams per liter (mg/L)	2.0 mg/L
Nitrate as Nitrogen (NITRATE [N])	10 mg/L	0.4 mg/L
Tetrachloroethylene (PCE)	5 ug/L	0.5 ug/L
Trichloroethylene (TCE)	5 ug/L	0.5 ug/L
Trans-1,2-Dichloroethylene (t-1,2-DCE)	10 ug/L	0.5 ug/L
Vinyl Chloride (VC)	0.5 ug/L	0.5 ug/L

REMARKS

(1)	Existing VOC treatment
(2)	VOC treatment under construction
(3)	VOC treatment proposed
(4)	Existing CLO4 treatment
(5)	CLO4 treatment proposed
NA	Not Available
ND	Not Detected above Reporting Limit
NL	Notification Level
VOCS	Volatile Organic Compounds

APPENDIX D.

POTENTIAL SITES FOR AQUIFER PERFORMANCE TESTS

APPENDIX D

POTENTIAL SITES FOR AQUIFER PERFORMANCE TESTS

NAME	RECORD.	USAGE	STATUS	PERF. (1)	FUNCTION	REMARKS
ALHAMBRA, CITY OF						
LON 1	1902789	MUNICIPAL	ACTIVE	411-800	MONITORING	
LON 2	1900017	MUNICIPAL	ACTIVE	296-563	PUMPING	
AZUSA, CITY OF						
NO. 12	8000179	MUNICIPAL	ACTIVE	206-311	PUMPING	
NO. 11	8000178	MUNICIPAL	ACTIVE	200-320	MONITORING	
CALIFORNIA AMERICAN WATER COMPANY/DUARTE						
B V	1900035	MUNICIPAL	STANDBY	300-580	PUMPING	
B V 2	8000216	MUNICIPAL	ACTIVE	300-700	MONITORING	
CALIFORNIA DOMESTIC WATER COMPANY						
05A	8000100	MUNICIPAL	ACTIVE	?-920	PUMPING	
06	1902967	MUNICIPAL	ACTIVE	200-800	MONITORING	
GLENDORA, CITY OF						
05-E	8000149	MUNICIPAL	ACTIVE	150-400	PUMPING	
NA	1903119	INDUSTRIAL	INACTIVE	?-220	MONITORING	OWL ROCK PRODUCTS WELL
GOLDEN STATE WATER COMPANY (SOUTHERN CALIFORNIA WATER COMPANY)/SAN DIMAS DISTRICT						
COL-4	1902268	MUNICIPAL	ACTIVE	122-190	PUMPING	
COL-6	1902270	MUNICIPAL	INACTIVE	?-414	MONITORING	
GOLDEN STATE WATER COMPANY (SOUTHERN CALIFORNIA WATER COMPANY)/SAN GABRIEL VALLEY DISTRICT						
FAR 1	1902034	MUNICIPAL	ACTIVE	274-455	PUMPING	
FAR 2	1902948	MUNICIPAL	ACTIVE	229-600	MONITORING	
SG 1	1900510	MUNICIPAL	ACTIVE	190-411	MONITORING	
SG 2	1900511	MUNICIPAL	ACTIVE	209-393	PUMPING	
RURBAN HOMES MUTUAL WATER COMPANY						
NORTH 1	1900120	MUNICIPAL	ACTIVE	140-190	MONITORING	
SOUTH 2	1900121	MUNICIPAL	INACTIVE	125-165	PUMPING	
SAN GABRIEL COUNTY WATER DISTRICT						
05 BRA	1901669	MUNICIPAL	INACTIVE	450-800	MONITORING	
11	8000067	MUNICIPAL	ACTIVE	350-800	PUMPING	
12	8000123	MUNICIPAL	ACTIVE	470-1320	MONITORING	
SAN GABRIEL VALLEY WATER COMPANY						
B24A	8000203	MUNICIPAL	ACTIVE	600-1150	PUMPING	
B24B	8000204	MUNICIPAL	ACTIVE	600-1150	MONITORING	

APPENDIX D

POTENTIAL SITES FOR AQUIFER PERFORMANCE TESTS

NAME	RECORD.	USAGE	STATUS	PERF. (1)	FUNCTION	REMARKS
SUBURBAN WATER SYSTEMS						
201W-9	8000208	MUNICIPAL	ACTIVE	260-650	PUMPING	
201W-7	8000195	MUNICIPAL	ACTIVE	200-650	MONITORING	
201W-8	8000198	MUNICIPAL	ACTIVE	200-650	MONITORING	
201W-10	8000210	MUNICIPAL	ACTIVE	NA	MONITORING	
VALLEY COUNTY WATER DISTRICT						
E NIXON (JOANBRIDGE)	1900032	MUNICIPAL	ACTIVE	300-586	MONITORING	ALTERNATE FOR MAINE SITE
W NIXON (JOANBRIDGE)	1902356	MUNICIPAL	ACTIVE	300-584	PUMPING	
E MAINE	1900027	MUNICIPAL	ACTIVE	250-580	PUMPING	ALTERNATE FOR NIXON SITE
W MAINE	1900028	MUNICIPAL	ACTIVE	250-580	MONITORING	
VALLEY VIEW MUTUAL WATER COMPANY						
01	1900363	MUNICIPAL	ACTIVE	300-585	MONITORING	
02	1900364	MUNICIPAL	ACTIVE	300-535	PUMPING	
03	1900365	MUNICIPAL	INACTIVE	100-200	MONITORING	
WORKMAN MILL INVESTMENT COMPANY (ROSE HILLS MEMORIAL PARK)						
01	1900094	IRRIGATION	INACTIVE	137-264	PUMPING	
ROSE HILLS	8000004	MUNICIPAL	INACTIVE	?-200	MONITORING	BEVERLY ACRES MWC

NOTES

NA: NOT AVAILABLE
RECORD.: RECORDATION NUMBER
PERF.: PERFORATION INTERVAL
(1) TOP OF THE TOP INTERVAL - BOTTOM OF THE BOTTOM INTERVAL (DEPTH BELOW GROUND SURFACE IN FEET)

APPENDIX E.

SUMMARY OF TREATMENT FACILITY ACTIVITY IN THE MAIN SAN GABRIEL BASIN

APPENDIX E

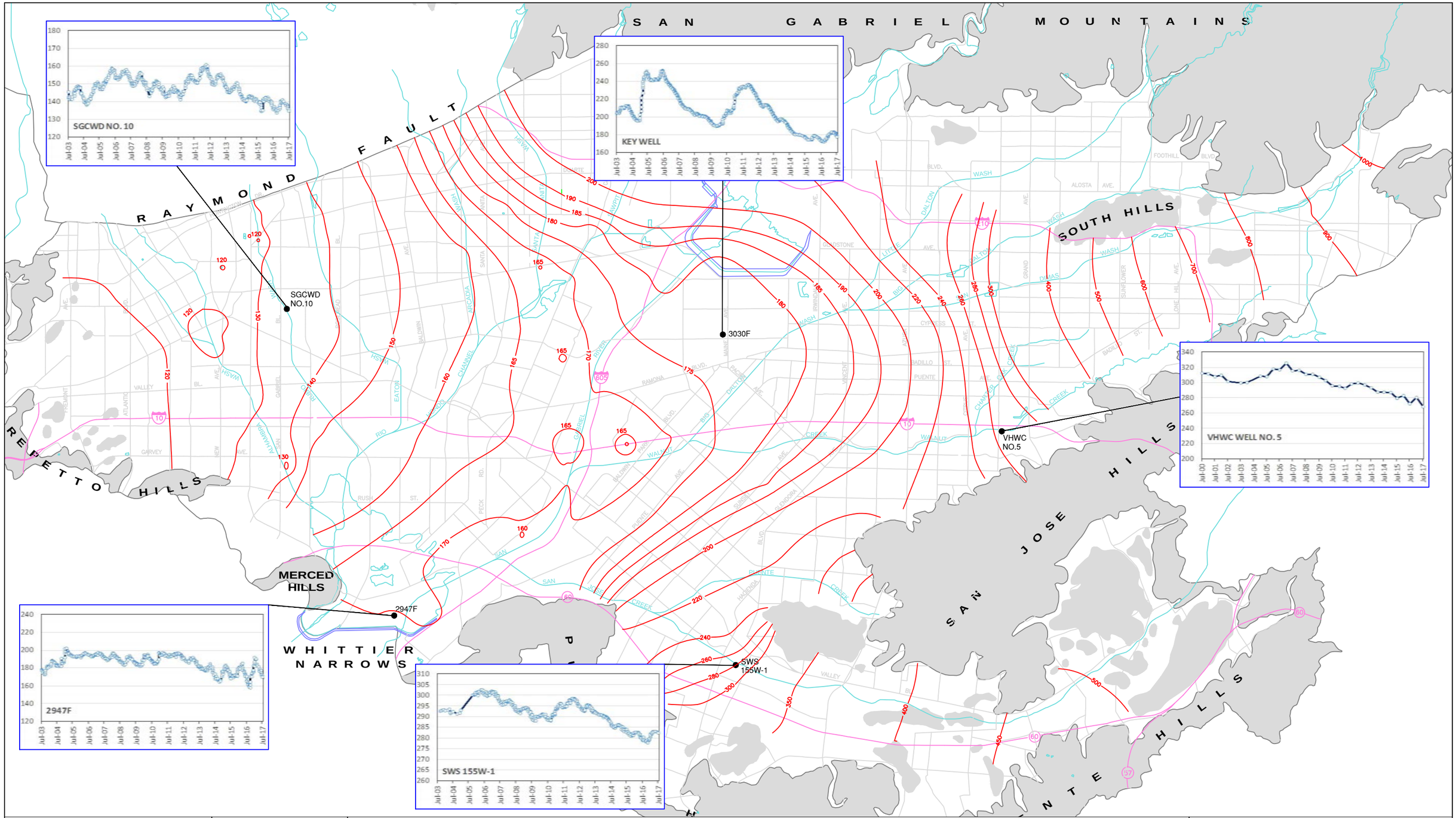
SUMMARY OF TREATMENT FACILITY ACTIVITY
IN THE MAIN SAN GABRIEL BASIN
AS OF JUNE 30, 2017

Operable Unit	Treatment Facility Owner	Treatment Facility(s)	Start Date 1/	Total Water Treated		Total Contaminants Removed	
				Fiscal Year 2016-17 (Acre-feet)	Accum. Total (Acre-feet)	Fiscal Year 2016-17 (Pounds)	Accum. Total (Pounds)
AREA 3							
	ALHAMBRA, CITY OF	Well No. 7	July 2001	—	7,582.35	—	130.1
		Well No. 7, 8, 11 & 12	April 2009	772.00	24,626.80	36.9	805.5
	Subtotal:			722.00	32,209.15	36.90	935.61
BPOU							
	CALIFORNIA DOMESTIC WATER COMPANY	Well No. 3, Well No. 5A	September 1993	14,542.29	340,696.76	1,200.8	16,166.6
		Well No. 6, & Well No. 10	April 1997				
	LA PUENTE VALLEY COUNTY WATER DISTRICT	Well No. 2, 3 & 4	August 1992	—	11,493.13	—	826.9
		Well No. 2, 3 & 5 (BPOU)	January 2000	3,516.95	56,581.84	284.5	10,869.0
	SAN GABRIEL VALLEY WATER COMPANY	Well B6C 5/	April 1994	—	5,194.17	—	856.2
		Well B6D 5/	April 1994	—	14,526.27	—	421.7
		Plant B5 (BPOU)	January 2007	9,626.43	105,543.00	322.0	4,296.3
		Plant B6 (BPOU)	September 2004	10,146.03	101,714.84	1,879.6	20,429.3
	VALLEY COUNTY WATER DISTRICT	Lante	June 1984	—	7,719.61	—	10,356.7
		Lante, SA1-1 & SA1-2 (BPOU)	December 2004	3,339.04	70,733.64	630.4	41,206.8
	Subtotal:			41,170.74	714,203.26	4,317.30	105,429.50
EMOU							
	ADAMS RANCH MUTUAL WATER COMPANY	Well No. 3 5/	November 2003	—	881.58	—	32.7
	HERMETIC SEAL CORPORATION	Hermetic Seal	May 2012	53.07	301.12	4.9	27.0
	GOULD AND JOHNSON CONTROLS	EMOU (Deep Zone)	October 2015	789.46	1,164.84	35.7	53.1
		EMOU (Shallow Zone)	October 2015	43.09	79.14	8.0	18.3
	GOLDEN STATE WATER COMPANY (SGV)	Encinita No. 1, 2 & 3	April 1998	1,587.19	26,202.24	41.0	621.6
	Subtotal:			2,472.81	28,628.92	89.60	752.70
PVOU							
	BDP - CARRIER	Carrier	April 1988	77.95	6,718.02	5.5	2,837.0
	Subtotal:			77.95	6,718.02	5.50	2,837.00
SEMOU							
	MONTEREY PARK, CITY OF	Well No. 5	September 1999	568.63	17,716.51	36.3	1,314.1
		Well No. 9 & 12, 15	April 2002	5,744.48	73,122.49	1,093.0	12,277.6
	SAN GABRIEL VALLEY WATER COMPANY	Well 8B, 8C, 8D & 8E	August 2002	2,261.69	41,544.15	495.0	5,896.9
	GOLDEN STATE WATER COMPANY (SGV)	San Gabriel No.1 & 2	November 2001	1,573.32	19,611.42	35.0	577.1
	Subtotal:			10,148.12	151,994.57	1,659.30	20,065.70
WNOU							
	EPA	WNOU (Shallow Zone) 5/	December 1999	—	30,065.52	—	1,618.9
	SAN GABRIEL VALLEY WATER COMPANY	WNOU (Intermediate Zone) 2/	December 2005	3,408.80	49,629.13	36.6	1,783.2
	Subtotal:			3,408.80	79,694.65	36.60	3,402.10
PRODUCER FACILITY							
	ARCADIA, CITY OF	Longden 1 & 2	January 1985	211.74	70,219.44	1.0	739.9
	BOZUNG	Well B36, F38, F39 & BC34 3/	October 1994	—	233.00	—	131.3
	EL MONTE, CITY OF	Well No. 12	February 1997	230.19	15,801.15	37.3	1,037.8
		Well No. 10 5/	May 2004	—	6,380.82	—	43.4
		Well No. 2A	July 1999	1,600.24	9,613.61	13.7	137.3
	EPA	Richwood (North Well) 4/	April 1990	—	451.98	—	5.8
		Richwood (South Well) 4/	April 1990				
	GOLDEN STATE WATER COMPANY (SD)	Art 2 & 3, Base 3 & 4, Hwy 1	May 2005	1,208.77	18,363.08	26.2	341.8
	GOLDEN STATE WATER COMPANY (SGV)	Garvey No. 3	June 2016	511.25	622.29	4.2	5.3
	HEMLOCK MUTUAL WATER COMPANY	Hemlock (North Well) 5/	April 1986	—	2,553.65	—	44.6
		Hemlock (South Well) 5/	April 1986				
	MONROVIA, CITY OF	Wells No. 2 & 6	March 1996	2,106.48	45,300.50	67.9	889.0
		Wells No. 3, 4 & 5	October 2007	1,953.77	17,414.11	23.3	159.3
	MONTEREY PARK, CITY OF	Well No. 1, 3, 10 & Fern	June 2004	1,266.59	27,126.36	25.6	1,667.3
	SAN GABRIEL VALLEY WATER COMPANY	Well 11B	March 1991	1.49	44,883.73	0.0	319.7
		Well B11B	March 1993	982.81	47,137.04	57.9	3,180.1
		Well B7C 6/	March 1993	—	46,711.28	—	1,824.2
		Well B4B & B4C	January 1999	—	24,093.04	—	1,233.5
		Well G4A	December 2005	186.86	4,163.96	3.1	65.2
	SUBURBAN WATER SYSTEMS	Well No. 140W-4 5/	May 2001	—	2,247.59	—	16.2
	VALLEY COUNTY WATER DISTRICT	Maine East & West	June 1990	2,749.89	52,434.23	28.2	1,805.1
		Nixon East & West	January 2004	4,106.52	45,449.95	33.7	299.3
	WATER QUALITY AUTHORITY	Arrow (Project No. 1) 5/	February 1992	—	7,250.41	—	17,423.0
		Big Dalton (Project No. 2) 5/	March 1997	—	1,229.02	—	82.5
		Whitmore Street	January 2008	16.66	298.08	9.2	170.4
		SEMOU	July 1999	—	3,885.19	—	1,558.5
			TOTAL	75,133.68	1,507,312.08	6,476.50	166,603.15

Footnotes:
1/ From date of beginning of operation.
2/ Previously operated by City of Whittier from December 2005 to May 2013.
3/ Treatment facility has been permanently dismantled.
4/ Wells destroyed in June 1999.
5/ Wellfield no longer pumps to treatment facility.
6/ Well destroyed in October 2016

APPENDIX F.

Simulated Basin Groundwater Contours 2016-17 and 2021-22 (Figures 16 and 17)



STETSON ENGINEERS INC.
861 VILLAGE OAKS DRIVE, SUITE 100
COVINA, CALIFORNIA 91724
TEL: (626) 967-6202
FAX: (626) 331-7065

2171 E Francisco Blvd., Suite K
San Rafael California 94901

2651 W Guadalupe Rd., Suite A209
Mesa Arizona 85202

APPROXIMATE SCALE
4,000' 0 4,000'

MAIN SAN GABRIEL BASIN WATERMASTER

SIMULATED 2016-17 BASIN GROUNDWATER CONTOURS

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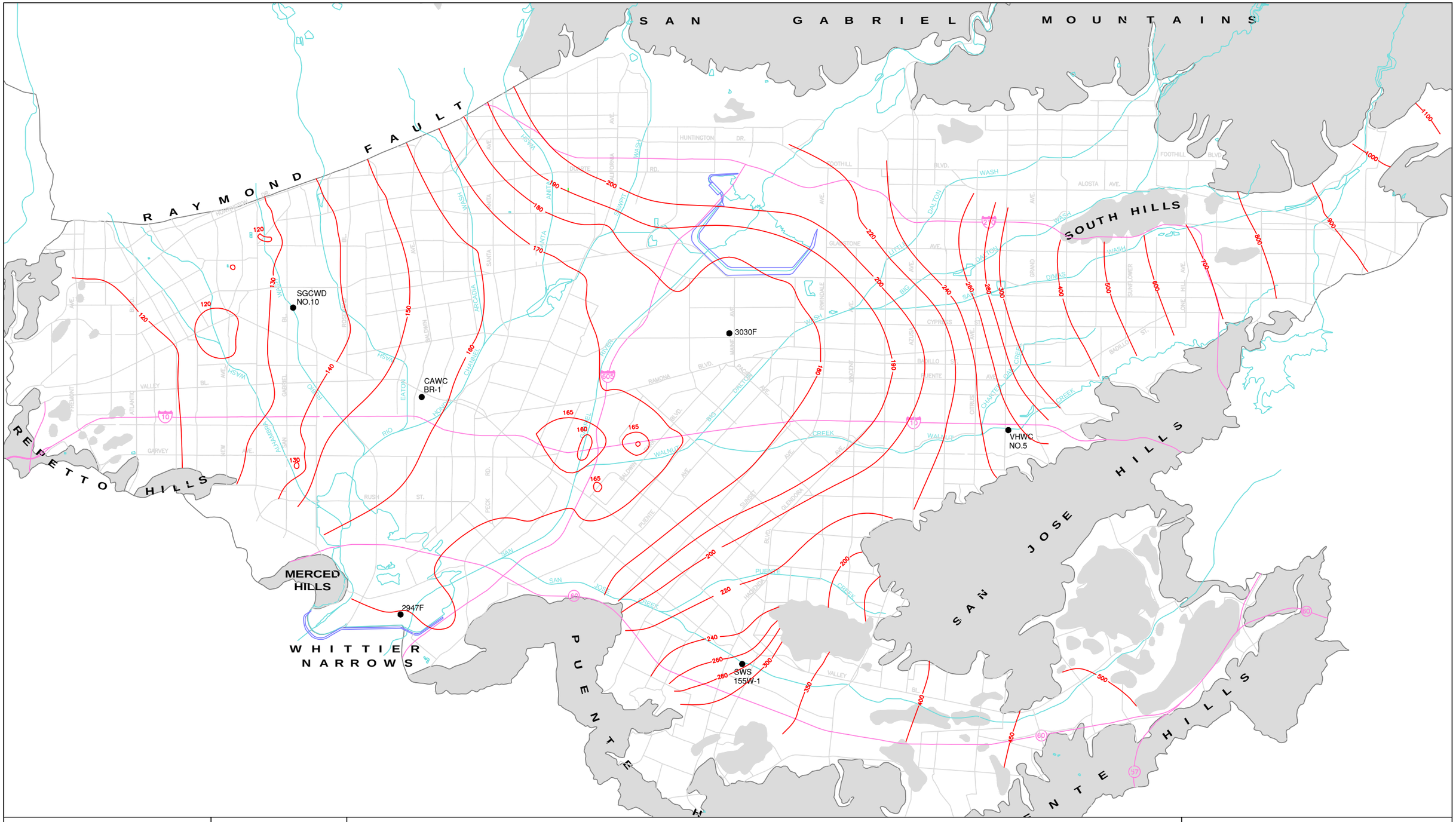

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COVINA, CALIFORNIA 91724
TEL: (626) 967-6202
FAX: (626) 331-7065

2171 E Francisco Blvd., Suite K
San Rafael California 94901

2651 W Guadalupe Rd., Suite A209
Mesa Arizona 85202

APPROXIMATE SCALE
4,000' 0 4,000'

MAIN SAN GABRIEL BASIN WATERMASTER

SIMULATED 2021-22 BASIN GROUNDWATER CONTOURS

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725 North Azusa Avenue • Azusa, California 91702
Telephone (626) 815-1300 • Fax (626) 815-1303
www.watermaster.org